

# **DIRECTORY OF EXTRAMURAL RESEARCH & DEVELOPMENT PROJECTS**

**2020-21**



सत्यमेव जयते

**GOVERNMENT OF INDIA**

**MINISTRY OF SCIENCE AND TECHNOLOGY  
DEPARTMENT OF SCIENCE AND TECHNOLOGY  
NATIONAL SCIENCE AND TECHNOLOGY MANAGEMENT INFORMATION SYSTEM (NSTMIS)  
NEW DELHI – 110 016  
JUNE 2023**

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**Directory is available on-line at – <http://www.nstmis-dst.org>**

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डॉ अखिलेश गुप्ता  
Dr. Akhilesh Gupta



वरिष्ठ सलाहकार एवं प्रमुख  
नीति समन्वय एवं कार्यक्रम प्रबंधन प्रभाग  
विज्ञान और प्रौद्योगिकी विभाग  
विज्ञान और प्रौद्योगिकी मंत्रालय  
भारत सरकार

Senior Adviser & Head  
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Management Division  
Department of Science and Technology  
Ministry of Science and Technology  
Government of India

## PREFACE

Extramural Research and Development (R&D) projects support is a peer reviewed competitive grant mechanism of the Central Government to promote, catalyze and advance R&D and innovation in the country and provides special encouragement to scientists to pursue a research career. NSTMIS programme under the PCPM Division of the Department of Science and Technology (DST) has been collating, analyzing and disseminating information on Extramural Research and Development projects funded by various scientific agencies. Directory of Extramural R&D projects approved for funding by selected Central Government Departments/Agencies is being published by this department annually since 1990-91. Since 2000-01, the task for preparing the directory has been sponsored to Manpower Management Centre (MMC), New Delhi. The present directory, thirty-first in the series is an outcome of the efforts made in this regard for the projects funded during the year 2020-21 by various scientific agencies of the Government.

This directory contains information on 3180 R&D projects approved for funding by 14 scientific agencies/departments during 2020-21. We would like to thank all the funding agencies for the support extended by them in providing data for Extramural R&D. The directory begins with brief overview and analysis of the data and provides the projects details such as title, address of principal investigator, duration, name of funding agency/scheme and funds approved have been provided based on the data received from the funding agencies. The projects have been classified into 8 major subject areas such as Agricultural Sciences, Biological Sciences, Chemical Sciences, Earth Sciences, Engineering & Technology, Mathematics, Medical Sciences and Physical Sciences. For reference, indexes on the name of Principal Investigator, Institute and State are appended.

An online Dashboard of Extramural R&D has been developed to facilitate online data collection to ensure maximum participation from various scientific agencies. It also helps in usage and data analytics of extramural R&D by varied stakeholders including policymakers in S&T sector.

New Delhi  
June, 2023

  
(Akhilesh Gupta)

## ACKNOWLEDGEMENT

National Science and Technology Management Information System (NSTMIS) programme of the **Department of Science & Technology (DST), Government of India**, is thankful to **Manpower Management Centre (MMC)**, New Delhi for the task of data collection, collation and preparation of the Directory containing information on Extramural Research & Development Projects approved for funding by various scientific agencies during the year 2020-21. The research team of MMC under the guidance of Mr. Anuj Nangia, Director, helped us in collecting data across India and preparing the above directory within the stipulated time.

The Department of Science & Technology sincerely acknowledges the help provided by various Ministries/Departments/Agencies of the Central Government for making available the requisite data on R&D projects funded by them without which it would not have been possible for the Department to bring out this directory.

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# ABOUT THE DIRECTORY

## INTRODUCTION

National Science and Technology Management Information System (NSTMIS) programme of the Department of Science and Technology (DST) has been compiling information annually on extramural (also called sponsored) R&D projects since 1990-91 in order to exchange information on Research and Development (R&D) projects with different interest groups. This compiled information is published as an annual Directory of Extramural Research and Development projects approved for funding by various agencies during the year.

The task of collecting, compiling, analyzing and publishing the directory for the year 2020-21 was sponsored by the Department of Science & Technology to the Manpower Management Centre (MMC), New Delhi. The present directory, 31<sup>st</sup> in the series, provides details of 3180 sponsored R&D projects approved during the year 2020-21 by 14 Central Government Ministries/Departments/Agencies.

The following Ministries/Departments/Agencies of the Central Government have furnished the list of projects approved by them:

- 1 All India Council for Technical Education (AICTE)
- 2 Council of Scientific and Industrial Research (CSIR)
- 3 Defence Research and Development Organisation (DRDO)
- 4 Department of Bio-Technology (DBT)
- 5 Department of Coal (DOC)
- 6 Department of Science and Technology (DST)
- 7 Department of Scientific and Industrial Research (DSIR)
- 8 Indian Council of Medical Research (ICMR)
- 9 Indian Space Research Organisation (ISRO)
- 10 Ministry of AYUSH (AYUSH)
- 11 Ministry of Earth Sciences (MOES)
- 12 Ministry of Electronics & Information Technology (MEITY)
- 13 Ministry of Environment, Forests & Climate Change (MOEFCC)
- 14 Ministry of Power (MOP)

**Note:**

The addresses of all above mentioned funding agencies are given in **Annexure-1**.

## ORGANISATION OF THE DIRECTORY

The projects have been listed in the directory by major subject area-wise. Under each major subject area, the projects have been arranged by funding agency-wise and also scheme-wise within funding agency. Under each scheme, the projects have been arranged alphabetically as per the title of the project. For each project, the information included is record number, title of the project, name of the funding agency/scheme, name and address of the investigator/institute, approved cost of the project and the duration of the project. The third column of the directory gives the name of funding agency and scheme. For example, this has been given as "DST-IRPHA". Here "DST" is the name of the funding agency i.e. Department of Science and Technology and "IRPHA" is the acronym used for the name of the scheme under which the project was approved i.e. Intensification of Research in High Priority Areas.

For explanation of abbreviations/acronym for the agencies and schemes, the readers are advised to see **Table 1 & 2** under the Section “**BRIEF ANALYSIS**”. For a quick reference, Index pages on Principal Investigator and Institute etc., have been provided in the directory at the end. The addresses of the funding agencies have been given at **Annexure-1**. **Annexure-2** gives institute-wise extramural R&D support committed during the year 2020-21. A brief analysis on the pattern of funding during the year 2020-21 is given in the following paragraphs.

## BRIEF ANALYSIS

As shown in **Table 1**, 3180 new extramural R&D projects costing **Rs. 2002.70 Crore** were approved by 14 funding agencies during the year 2020-21. Detailed Scheme-wise support to these extramural R&D projects by responding agencies is given in **Table 2**.

**TABLE 1**

### AGENCY-WISE SUPPORT TO EXTRAMURAL R&D PROJECTS APPROVED DURING 2020-21

S. No.	Department/Ministry/Agency	No. of Projects		Total Approved Cost (Rs. Crore)	
		No.	%age	Rs.	%age
1	All India Council for Technical Education (AICTE)	166	5.22	23.41	1.17
2	Council of Scientific and Industrial Research (CSIR)	100	3.14	11.31	0.56
3	Defence Research and Development Organisation (DRDO)	70	2.20	40.08	2.00
4	Department of Bio-Technology (DBT)	226	7.11	277.52	13.86
5	Department of Coal (DOC)	4	0.13	11.36	0.57
6	Department of Science and Technology (DST)	2190	68.87	1,190.41	59.44
7	Department of Scientific and Industrial Research (DSIR)	17	0.54	1.28	0.06
8	Indian Council of Medical Research (ICMR)	249	7.83	120.72	6.03
9	Indian Space Research Organisation (ISRO)	91	2.86	22.00	1.10
10	Ministry of AYUSH (AYUSH)	34	1.07	5.32	0.27
11	Ministry of Earth Sciences (MOES)	1	0.03	0.96	0.05
12	Ministry of Electronics & Information Technology (MEITY)	21	0.66	294.31	14.70
13	Ministry of Environment, Forests & Climate Change (MOEFCC)	9	0.28	2.88	0.14
14	Ministry of Power (MOP)	2	0.06	1.14	0.05
	<b>Total</b>	<b>3180</b>	<b>100</b>	<b>2002.70</b>	<b>100</b>

**Note:**

- ‘Nil’ Reports were provided by 6 Department/Ministry/Agencies namely: Department of Atomic Energy (DAE), Indian Council of Agricultural Research (ICAR), Ministry of Jal Shakti (MOJS), Ministry of New & Renewable Energy (MNRE), Ministry of Steel (MOS), University Grants Commission (UGC)
- The addresses of all the above agencies are given in **Annexure-1**.

**TABLE 2**

**SCHEME-WISE SUPPORT TO EXTRAMURAL R&D PROJECTS APPROVED DURING 2020-21**

S. No.	Department/Ministry/Agency - Schemes	Number of Projects	Total Approved Cost (Rs. Crore)
<b>1</b>	All India Council for Technical Education (AICTE)		
	- Research Promotion (RP)	166	23.41
<b>2</b>	Council of Scientific and Industrial Research (CSIR)		
	- Emeritus Scientist Scheme (ES)	31	3.13
	- General Scheme (GS)	59	6.58
	- Sponsored Scheme (SS)	10	1.60
<b>3</b>	Defence Research and Development Organisation (DRDO)		
	- Aeronautics Research & Development Board (AR&DB)	25	13.65
	- Directorate of Extramural Research & Intellectual Property Rights (ER&IPR)	11	12.11
	- Life Science Research Board (LSRB)	21	9.13
	- Naval Research Board (NRB)	13	5.19
<b>4</b>	Department of Bio-Technology (DBT)		
	- Research & Development (R&D)	226	277.52
<b>5</b>	Department of Coal (DOC)		
	- S&T Grant (S&T Grant)	4	11.36
<b>6</b>	Department of Science and Technology (DST)		
	- Advanced Manufacturing Technologies (AMT)	5	6.69
	- Arid, Semi Arid & Cold Desert Regions (ASACODER)	5	7.70
	- Biomedical Device and Technology Development (BDTD)	40	17.38
	- Clean Energy Research Initiative (CERI)	3	6.77
	- Device Development Programme (DDP)	70	35.86
	- Industrial Waste Water Treatment (IWWT)	7	6.64
	- Intensification of Research in High Priority Areas (IRHPA)	21	140.21
	- International Bilateral Cooperation (IBC)	210	66.62
	- Nano-Mission (N-M)	19	18.75
	- National Geospatial Programme (NGP)	32	8.14
	- Patent Information Centres (PIC)	8	1.67
	- Scheduled Caste Sub Plan (SCSP)	76	130.39
	- Scheme for Young Scientists & Technologists (SYST)	53	22.97
	- Science & Heritage Research Initiative (SHRI)	9	25.22
	- Science & Technology for Women (WS)	9	2.07
	- Scientific & Useful Profound Research Advancement (SUPRA)	2	1.27
	- Solar Energy Research Initiative (SERI)	6	21.89
	- SPLICE - Climate Change Programme (CCP)	8	22.42
	- State Science & Technology Programme (SSTP)	25	23.29
	- Technology Interventions for Addressing Societal Needs (TIASN)	3	4.18
	- Waste Management Technologies (WMT)	34	66.43

	- Water Technology Initiative Programme (WTI)	64	42.08
	- Women Scientist Scheme - A (WOS-A)	102	29.18
	Science & Engineering Research Board (SERB)		
	- SERB - Ayurvedic Biology Program (ABP)	1	0.38
	- SERB - Core Research Grant (CRG)	779	319.73
	- SERB - Covid-19	37	6.58
	- SERB - Empowerment & Equity Opportunities for Excellence in Science (EMEQ)	117	43.74
	- SERB - Power	2	0.48
	- SERB - Start-up Research Grant	443	111.68
<b>7</b>	Department of Scientific and Industrial Research (DSIR)		
	- Promoting Innovations in Individuals, Start-ups & MSMEs (PRISM)	17	1.28
<b>8</b>	Indian Council of Medical Research (ICMR)		
	- Ad-hoc (ADHOC)	188	43.77
	- Centre for Advanced Research (CARE)	3	4.44
	- Task Force (TF)	58	72.51
<b>9</b>	Indian Space Research Organisation (ISRO)		
	- Research Sponsored (RESPOND)	81	20.08
	- Space Science Promotion (SSP)	10	1.92
<b>10</b>	Ministry of AYUSH (AYUSH)		
	- Ayurveda - Extramural Research (AYURVEDA)	17	3.44
	- Homoeopathy - Extramural Research (HOMOEOPATH)	7	1.02
	- Siddha - Extramural Research (SIDDDHA)	4	0.37
	- Unani - Extramural Research (UNANI)	4	0.34
	- Yoga & Naturopathy - Extramural Research (YOGA)	2	0.15
<b>11</b>	Ministry of Earth Sciences (MOES)		
	- Research, Education, Training & Outreach (REACHOUT)	1	0.96
<b>12</b>	Ministry of Electronics & Information Technology (MEITY)		
	- Research & Development (R&D)	21	294.31
<b>13</b>	Ministry of Environment, Forests & Climate Change (MOEFCC)		
	- Research & Development for Conservation & Development (RDCCD)	9	2.88
<b>14</b>	Ministry of Power (MOP)		
	- Research Scheme on Power (RSoP)	2	1.14
		<b>3180</b>	<b>2002.70</b>



## FUNDING AGENCY-WISE ANALYSIS

Figure 1 shows the pattern of funding by various Central Government agencies sponsoring Extramural R&D. It can be seen that the Department of Science & Technology (DST) accounted for the maximum support of Rs. 1190.41 Crore (59.44%), followed by the Ministry of Electronics & Information Technology (MEITY) with Rs. 294.31 Crore (14.70%) and the Department of Biotechnology (DBT) with Rs. 277.52 Crore (13.86%). The two departments under the Ministry of Science and Technology namely DST & DBT, together played a major role in extramural R&D funding in the country by contributing to more than 73% of the total extramural R&D support at national level.

The other agencies that funded a large number of Extramural R&D projects were the Indian Council of Medical Research (ICMR) with Rs. 120.72 Crore (6.03%), followed by the Defence Research and Development Organisation (DRDO) with Rs. 40.08 Crore (2.00%) and the All India Council for Technical Education (AICTE) with Rs. 23.41 Crore (1.17%).

### R&D SUPPORT BY CENTRAL S&T AGENCIES DURING 2020-21

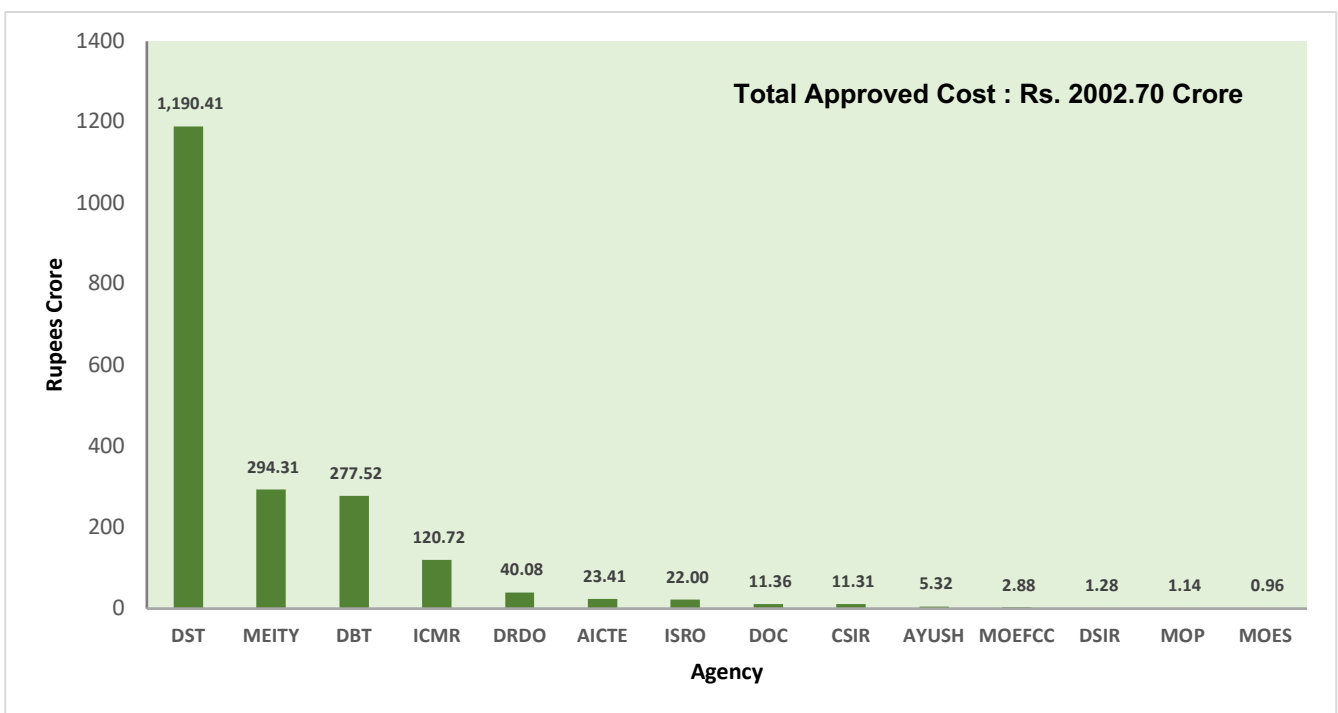


FIGURE 1

## SUBJECT AREA-WISE ANALYSIS

The projects are classified in eight major subject areas as under:

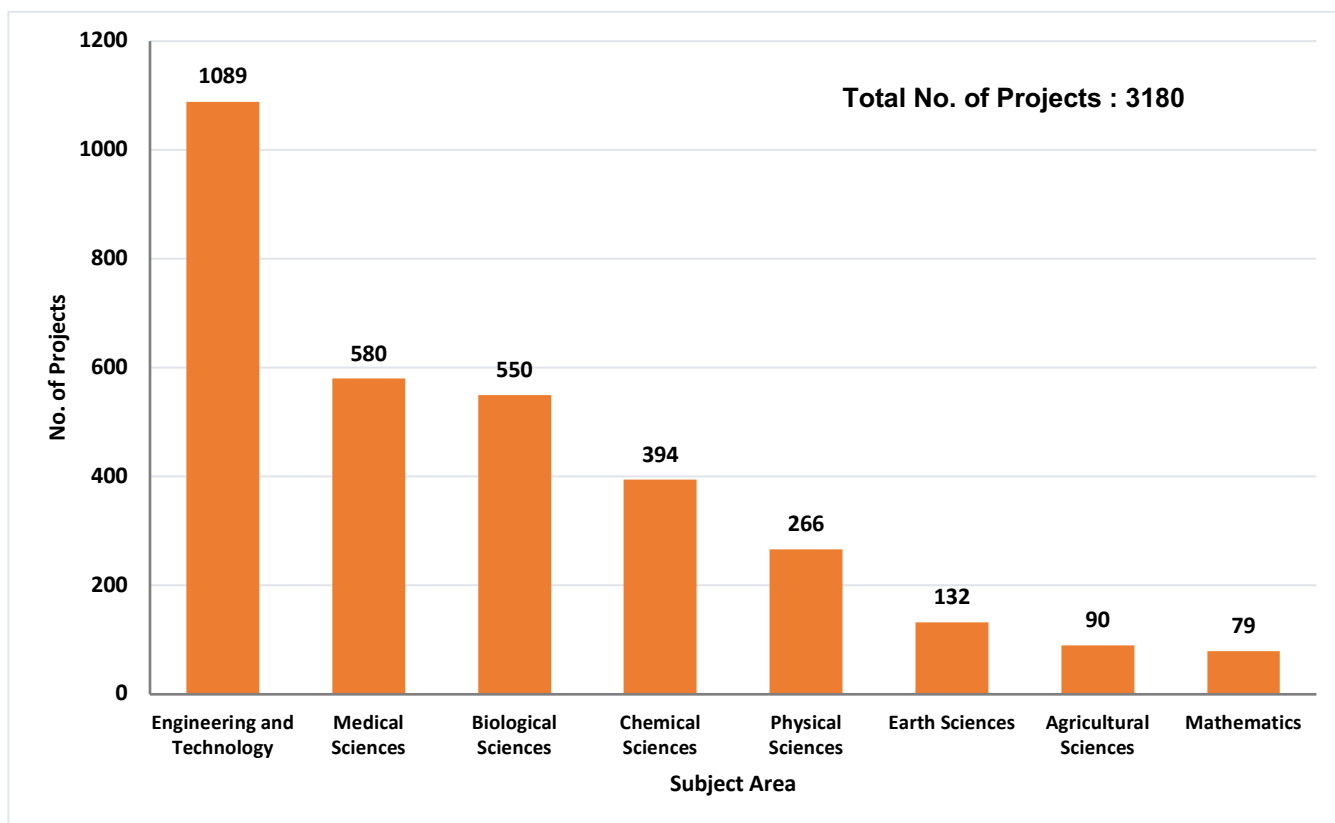
- |                          |                             |                      |
|--------------------------|-----------------------------|----------------------|
| a) Agricultural Sciences | b) Biological Sciences      | c) Chemical Sciences |
| d) Earth Sciences        | e) Engineering & Technology | f) Mathematics       |
| g) Medical Sciences      | h) Physical Sciences        |                      |



The classification of R&D projects has been done based on the **subject area** indicated by the agencies and also based on the title of the projects. Some of the projects may be multi-disciplinary in nature but have been classified into one of the subject areas mentioned above, depending on their major thrust. **Figure 2** shows number of extramural R&D projects approved in each subject area during the year 2020-21. It shows that maximum number of projects were in the subject areas Engineering & Technology, Medical Sciences, and Biological Sciences. Maximum number of projects were in the subject area of Engineering & Technology i.e. 1089. Out of these 1089 projects, the maximum number of projects i.e. 792 were approved by the Department of Science & Technology (DST) followed by 115 projects by All India Council for Technical Education (AICTE). Medical Sciences subject area received funding of a total 580 projects; of which funding agencies namely ICMR (247), DST (201), AICTE (36) contributed the maximum.

The next in order is Biological Sciences in which 550 projects were approved, as seen in **Figure 2**. Out of these, the maximum number of projects i.e. 332 were approved by Department of Science & Technology (DST) followed by 176 projects by Department of Biotechnology (DBT).

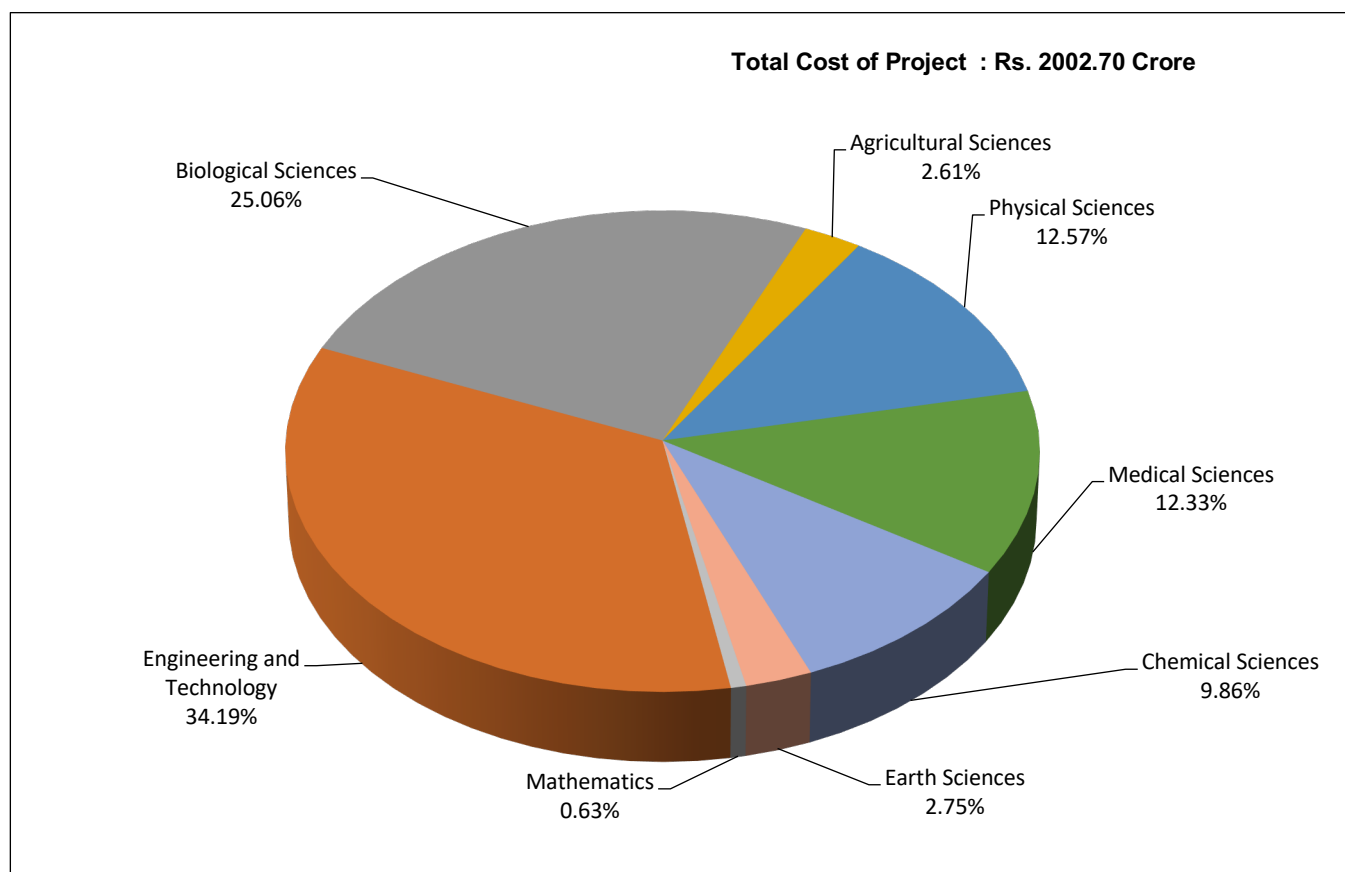
### SUBJECT AREA-WISE NUMBER OF R&D PROJECTS APPROVED DURING 2020-21



**FIGURE 2**

**Figure 3** shows subject area-wise R&D support during the year 2020-21. Among the top 3 recipients subject areas **Engineering and Technology** received maximum financial support of 34.19 per cent followed by **Biological Sciences** at 25.06 per cent and **Physical Sciences** at 12.57 per cent. **Medical Sciences** area received financial support of 12.33 per cent followed by **Chemical Sciences** at 9.86 per cent. Projects in the area of **Earth Sciences** and **Agricultural Sciences** received financial support of 2.75 per cent and 2.61 per cent respectively. The least financial support of 0.63 per cent was received by **Mathematics**.

## SUBJECT AREA-WISE R&D SUPPORT DURING 2020-21



**FIGURE 3**

**Table 3** gives information about the subject area-wise distribution of Extramural R&D projects along with their total approved cost.

**TABLE 3**

### SUBJECT AREA-WISE DISTRIBUTION OF EXTRAMURAL R&D PROJECTS AND THEIR APPROVED COST DURING 2020-21

(Rs. Crore)

Subjects	No. of Projects	Total Approved Cost
Agricultural Sciences	90	52.20
Engineering and Technology	1089	684.67
Medical Sciences	580	247.04
<b>Natural Sciences :</b>		
Biological Sciences	550	501.89
Chemical Sciences	394	197.42
Earth Sciences	132	55.10
Mathematics	79	12.67
Physical Sciences	266	251.71
Total	<b>3180</b>	<b>2002.70</b>

## TYPES OF INSTITUTE-WISE ANALYSIS

The institutions have been classified into five categories such as:

- A. Universities/Colleges
- B. Deemed Universities
- C. Institutes of National Importance
  - Indian Institute of Technology, All India Institute of Medical Sciences, Indian Statistical Institute, Indian Institute of Science Education & Research, Indian Institutes of Management and National Institute of Technology
- D. National Research Laboratories
  - Laboratories under CSIR, ICAR, ICMR, DRDO and autonomous institutions under Central Government Ministries/Departments, Central Public Sector Undertakings
- E. Others
  - Institutions which are not covered under A, B, C & D above.

The distribution of Extramural R&D Projects by types of Institutes with their approved cost has been indicated in **Table 4**. The number given in column 2 in this Table refers to **unique institutes** which received 3180 projects for implementation.

**TABLE 4**

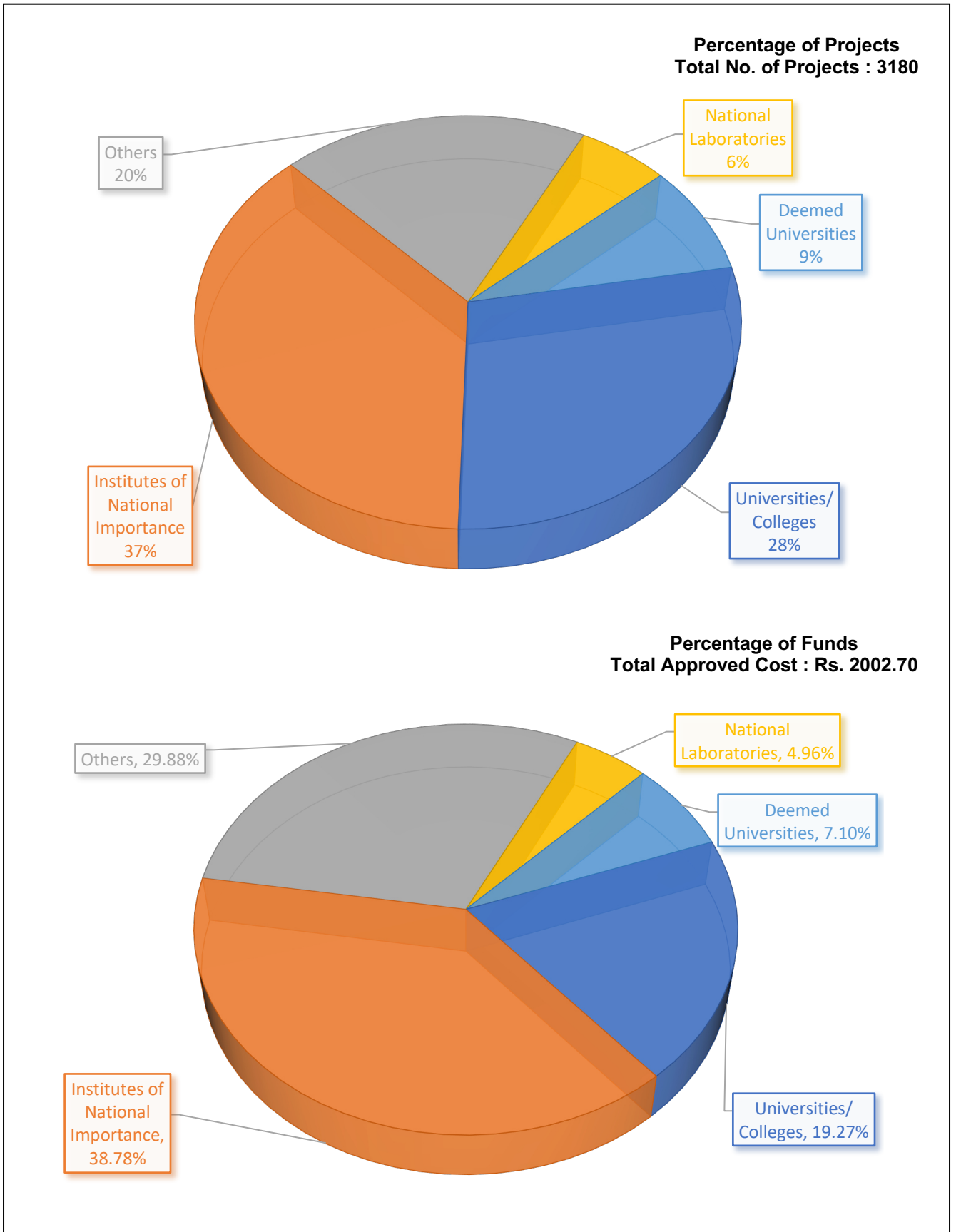
### **DISTRIBUTION OF EXTRAMURAL R&D PROJECTS BY TYPES OF INSTITUTES AND THEIR APPROVED COST DURING 2020-21**

Types of Institutes	Number of Institutes	Number of Projects	Total Approved Cost (Rs. Crore)	Percentage of Total Approved Cost
Universities/Colleges	365	897	385.83	19.27
Deemed Universities	32	274	142.20	7.10
Institutes of National Importance	64	1179	776.37	38.76
National Laboratories	38	188	99.29	4.96
Others	316	632	598.18	29.87
<b>Total:</b>	<b>815</b>	<b>3170</b>	<b>2001.87</b>	<b>99.96</b>
Individual Scientists*		10	0.83	0.04
<b>Grand Total :</b>		<b>3180</b>	<b>2002.70</b>	<b>100.00</b>

\*Note : Distribution is shown at the end of Annexure 2.

**Figure 4** hereunder shows the percentage distribution of number of projects and its approved cost by types of institutions during the year 2020-21. The maximum number i.e. 37% of the projects were sanctioned to Institute of National Importance with financial support of 39%. Universities/Colleges received 28% of the projects with financial support of 19%. 20% of the total projects were given to Others category and 9% to Deemed Universities with financial support of 30% and 7% respectively. 6% of the projects were given to National Laboratories with financial support of 5%. The total financial support to academic sector (A, B & C categories) was 65%.

**DISTRIBUTION OF R&D PROJECTS BY TYPES OF INSTITUTES  
AND APPROVED COST DURING 2020-21**

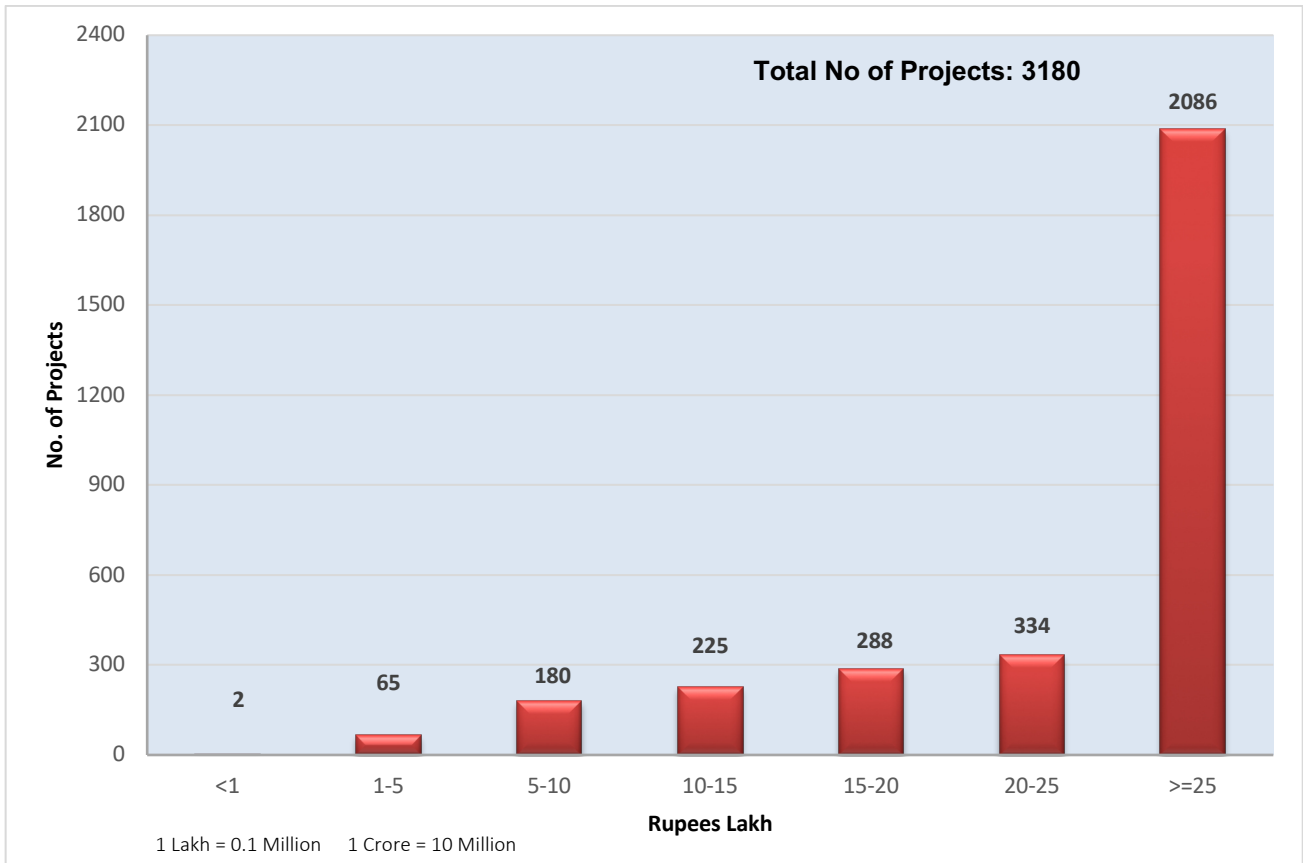


**FIGURE 4**

## COST RANGE-WISE ANALYSIS

As per **Figure 5**, the analysis indicates that 2086 projects were in the cost range of Rs. 25 lakh & above. In addition to these, there were 1094 projects costing less than Rs. 25 lakh. Of these total 334 projects maximum number of projects were in the cost range of Rs. 20 to 25 lakh followed by 288 projects in the cost range of Rs. 15 to 20 lakh. 225 projects in the cost range of Rs. 10 to 15 lakh, 180 projects were in the cost range of Rs. 5 to 10 lakh and 65 projects were in the cost range of Rs. 1 to 5 lakh. There were only 2 projects costing less than Rs. 1 lakh.

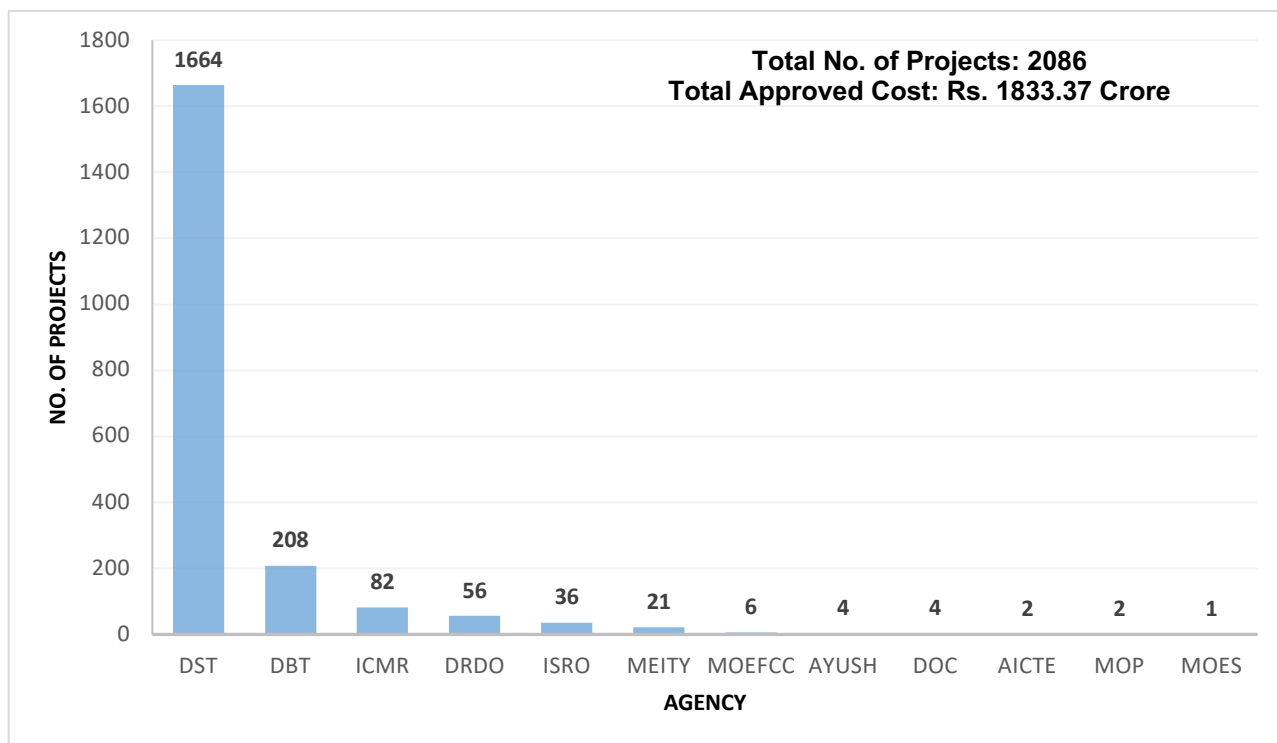
### DISTRIBUTION OF R&D PROJECTS BY APPROVED COST DURING 2020-21



**FIGURE 5**

Agency-wise distribution of 2086 large projects costing equal to and above Rs. 25 lakh each has been given in **Figure-6**. Out of this, maximum number of projects i.e. 1664 were funded by the Department of Science & Technology (DST) followed by 208 by the Department of Biotechnology (DBT), 82 projects by Indian Council of Medical Research (ICMR), 56 projects by Defence Research & Development Organisation (DRDO), 36 projects by Indian Space Research Organisation (ISRO), 21 projects by Ministry of Electronics & Information Technology (MEITY) and 6 projects by Ministry of Environment, Forests & Climate Change (MOEFCC). A total of 13 projects were funded by other agencies i.e. AYUSH (4), DOC (4), AICTE (2), MOP (2) and MOES (1).

**AGENCY-WISE DISTRIBUTION OF R&D PROJECTS  
COSTING Rs. 25 LAKH & ABOVE DURING 2020-21**



**FIGURE 6**

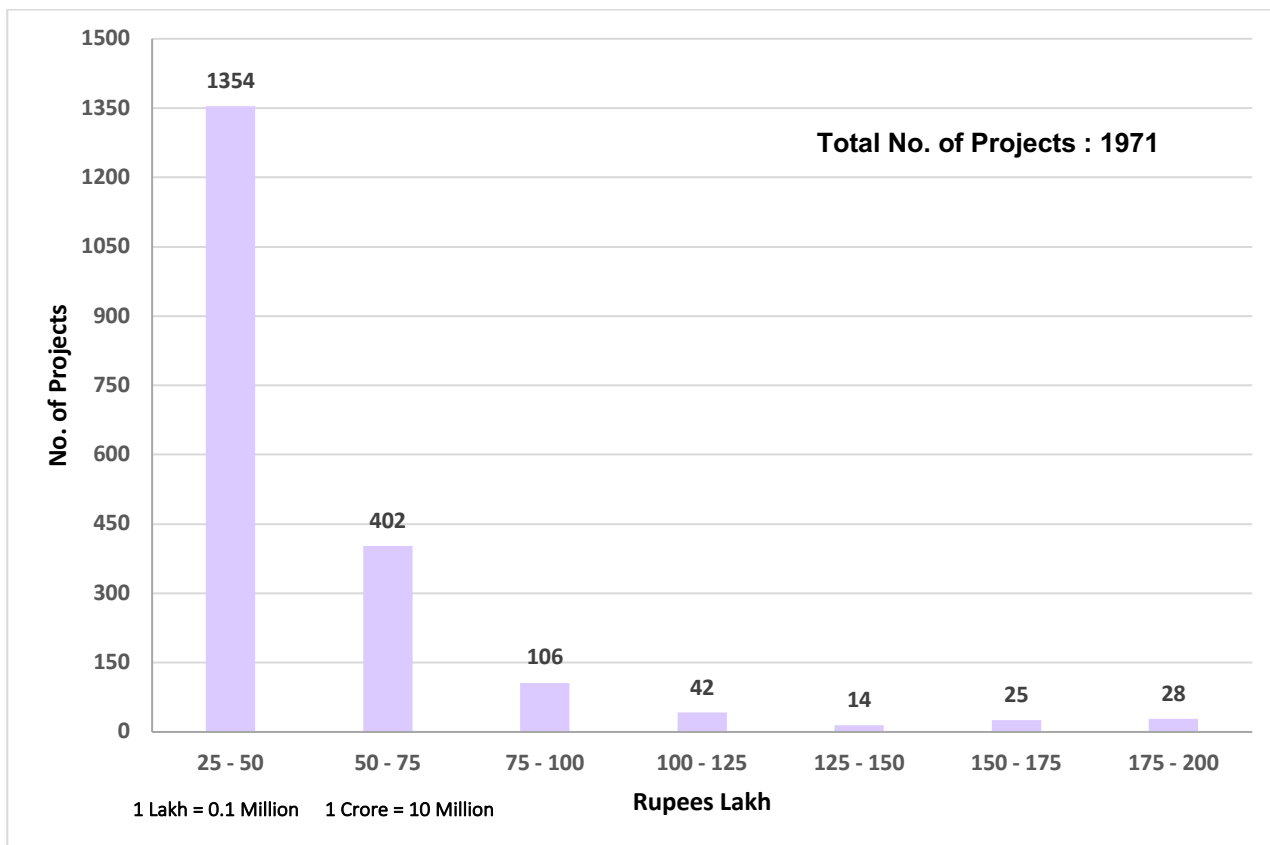
Of the total 2086 projects costing above Rs. 25 Lakhs, 1971 projects were in the range costing Rs. 25 lakh upto Rs. 2 Crore as can be seen in Table-5. The table also shows along with distribution of projects by total approved cost. The highest number of projects i.e. 1354 were in the cost range of Rs. 25-50 lakh, 402 in the range of Rs. 50-75 lakh and 106 projects between the cost range of Rs. 75-100 lakh. Cumulatively there were 109 projects were in the range of Rs. 1-2 Crore. The total approved cost for 1971 projects was Rs. 973 Crore as can be seen in Table 5.

**TABLE 5**

**DISTRIBUTION OF EXTRAMURAL R&D PROJECTS COSTING  
Rs. 25 LAKH TO  $\geq$  2 CRORE DURING 2020-21**

Cost Range (Rs. Lakh)	Number of Projects	Total Approved Cost (Rs. Crore)
25-50	1354	483
50-75	402	241
75-100	106	90
100-125	42	46
125-150	14	19
150-175	25	41
175-200	28	53
<b>Total:</b>	<b>1971</b>	<b>973</b>

**DISTRIBUTION OF R&D PROJECTS BY APPROVED COST OF  
Rs. 25 LAKH TO  $\geq$ 2 CRORE DURING 2020-21**



**FIGURE 7**

Table 6 presents distribution of projects costing Rs. 2 Crore and above along with total approved costs. Of the total 1971 projects costing above Rs. 25 Lakhs, 85 projects were sanctioned between Rs. 2 Crore to Rs. 5 Crore for a total approved cost of Rs. 272.97 Crore.

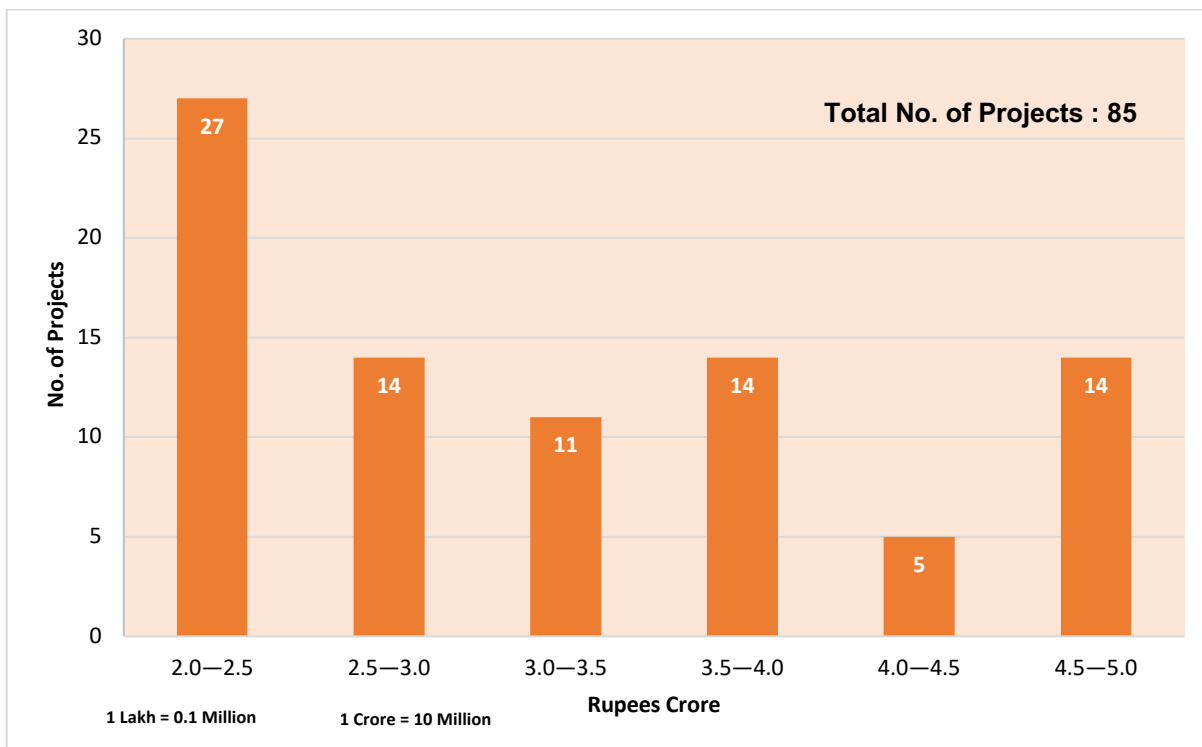
**TABLE 6**

**DISTRIBUTION OF EXTRAMURAL R&D PROJECTS COSTING  
Rs. 2 CRORE TO  $\geq$ 5 CRORE DURING 2020-21**

Cost Range (Rs. Crore)	Number of Projects	Total Approved Cost (Rs. Crore)
2.0 - 2.5	27	60.10
2.5 - 3.0	14	38.13
3.0 - 3.5	11	35.45
3.5 - 4.0	14	51.46
4.0 - 4.5	5	21.34
4.5 - 5.0	14	66.49
<b>Total</b>	<b>85</b>	<b>272.97</b>

As per **Figure 8**, the high valued projects sanctioned between Rs. 2 Crore to  $\geq 5$  Crore during the year were 85.

**DISTRIBUTION OF R&D PROJECTS BY APPROVED COST OF Rs. 2 CRORE TO  $\geq 5$  CRORE DURING 2020-21**



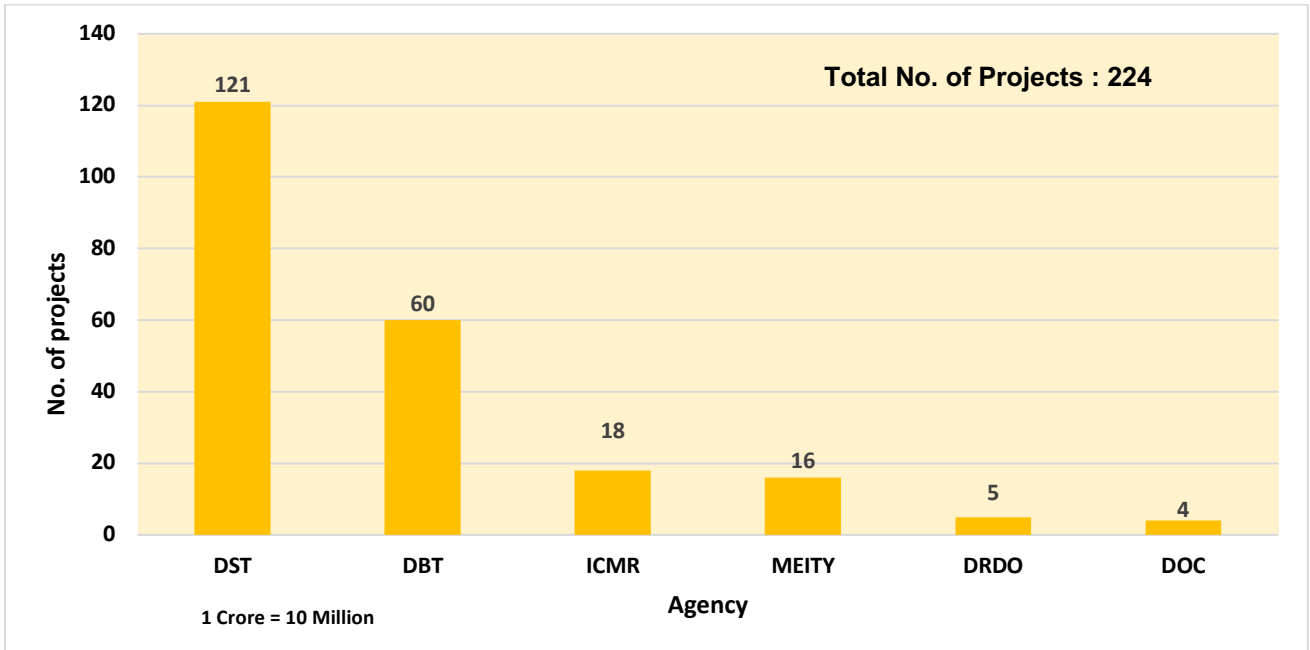
**FIGURE 8**

The high valued projects sanctioned by Department of Science & Technology (DST) were 51 amounting to Rs. 164.46 Crore. Department of Biotechnology (DBT) sanctioned 19 high valued projects of Rs. 53.48 Crore followed by 5 projects of Indian Council of Medical Research (ICMR) of Rs. 17.65 Crore. DRDO and MEITY sanctioned 4 projects each. DOC sanctioned 2 high value projects of Rs. 8.32 Crore.

**Figure 9** indicates that there were 224 projects costing Rs. 1 Crore & above which were funded by 6 agencies during 2020-21. Majority of these projects i.e. 121 (54.02%) were funded by the Department of Science & Technology (DST) followed by 60 (26.79%) projects by Department of Biotechnology (DBT). A total of 18 (8.04%) projects were funded by Indian Council of Medical Research (ICMR) followed by Ministry of Electronics & Information Technology (MEITY) with 16 (7.14%) projects. The remaining 9 (4.02%) projects were funded by four agencies namely DRDO (5) and DOC (4).



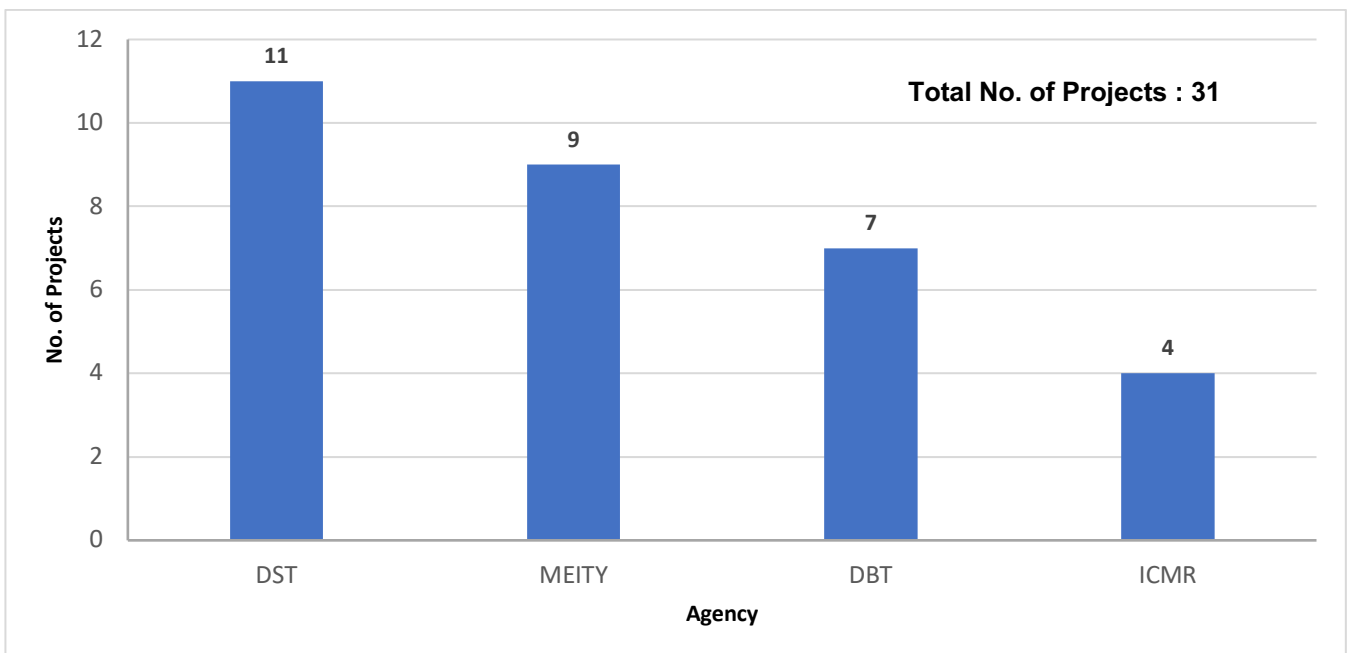
**AGENCY-WISE DISTRIBUTION OF R&D PROJECTS COSTING  
Rs. 1 CRORE & ABOVE DURING 2020-21**



**FIGURE 9**

It may be seen from **Figure 10** that there were a total of 31 projects costing Rs. 5 Crore and above sanctioned by four agencies. The maximum number of projects i.e. 11 were funded by the Department of Science & Technology (DST) followed by 9 projects by the Ministry of Electronics & Information Technology (MEITY). The remaining 11 projects were funded by the other 2 agencies namely DBT (7) and ICMR (4).

**AGENCY-WISE DISTRIBUTION OF R&D PROJECTS COSTING  
Rs. 5 CRORE & ABOVE DURING 2020-21**



**FIGURE 10**

## GENDER-WISE ANALYSIS : PRINCIPAL INVESTIGATORS (PIs)

The gender-wise distribution of Principal Investigators (PIs) who took up 3180 Extramural R&D Projects is shown in **Table 7**. Women participation as Principal Investigators of Extramural Projects was 21 per cent in comparison to 25 per cent during 2019-20. These female PIs have taken up 21 per cent of the total 3180 projects this year in comparison to 23 per cent of total projects 4076 during the previous year of 2019-20.

**TABLE 7**

### GENDER-WISE DISTRIBUTION OF PRINCIPAL INVESTIGATORS DURING 2020-21

Gender	Principal Investigator		Projects	
	Number	%age	Number	%age
Male	2447	78	2480	78
Female	660	21	665	21
Heads*	35	1	35	1
<b>Total</b>	<b>3142</b>	<b>100</b>	<b>3180</b>	<b>100</b>

\*Note : Projects approved to Heads of Organisations & Institutions, their gender information is not available. Individual PI can receive funding for multiple projects in one year.

## GENDER-WISE ANALYSIS : CO-PRINCIPAL INVESTIGATORS (Co-PIs)

Information on Co-Principal Investigators (Co-PIs) is recorded specifically with an intent to highlight the wider participation of women in Extramural Research (EMR). The gender-wise distribution of Co-Principal Investigators (Co-PIs) who took up Extramural R&D Projects is shown in **Table 8**. Women participation as Co-PIs of Extramural projects was 18 per cent of the total 1377 projects.

**TABLE 8**

### GENDER-WISE DISTRIBUTION OF CO-PRINCIPAL INVESTIGATORS DURING 2020-21

Gender	Number of Co-PI*	Percentage
Male	1134	82
Female	243	18
<b>Total</b>	<b>1377</b>	<b>100</b>

\*Note : Co-PI data is based upon survey response received from various funding agencies.

## STATE-WISE ANALYSIS

The detailed data regarding State-wise support to extramural R&D projects is given in **Annexure-3**, which shows that the highest number of 350 projects were funded in Tamil Nadu at a total cost of Rs. 335.57 Crore (16.76%), followed by 282 projects in Maharashtra costing Rs. 183.18 Crore (9.15%), 275 projects in Delhi costing Rs. 161.82 Crore (8.08%), 264 projects in Uttar Pradesh costing Rs. 174.83 Crore (8.73%). The information about the remaining States can be seen from Annexure-3.

In all 3142 PIs and 825 Institutions inclusive of "Individual Scientists & Others" handled 3180 Extramural R&D Projects in 33 States and Union Territories at a total cost of Rs. 2002.70 Crore.

## SALIENT FINDINGS

- ❖ Total number of Extramural projects were 3180 in 2020-21 as compared to 4076 in 2019-20.
- ❖ Extramural R&D support was Rs. 2002.70 Crore in 2020-21 as compared to Rs. 2529.42 Crore in 2019-20.
- ❖ Department of Science and Technology (DST) accounted for the maximum Extramural Research (EMR) support of Rs. 1190.41 Crore (59%) followed by the Ministry of Electronics & Information Technology (MEITY) with Rs. 294.31 Crore (15%) and Department of Biotechnology (DBT) with Rs. 277.52 Crore (14%).
- ❖ The two departments under Ministry of Science and Technology i.e. DST & DBT together contributed to 73% of the total extramural R&D funding in India.
- ❖ Engineering and Technology received maximum number of projects (1089) with financial support of (34%), followed by Medical Sciences (580) projects with financial support of (12%). Biological Sciences projects (550) received financial support of (25%).
- ❖ 3142 Principal Investigators (PIs), undertook 3180 EMR projects during 2020-21 in comparison to 3330 PIs undertaking 4076 projects during 2019-20.
- ❖ Women PIs participation receiving EMR projects was 21% during 2020-21 as compared to 25% during 2019-20.
- ❖ Women Co-PIs participation receiving EMR projects was 18% during the Years 2020-21 & 2019-20.
- ❖ 64% of the projects were received by the institutes located in 8 States namely Tamil Nadu, Maharashtra, Delhi, Uttar Pradesh, West Bengal, Karnataka, Telangana and Assam accounting for a share of 70% of total EMR funding.
- ❖ 25 Indian Institute of Technology (combined) received maximum number of projects (818) with highest financial support of Rs. 635.84 Crore followed by 16 National Institute of Technology (combined) received (102) projects with financial support of Rs. 29.38 Crore

**LIST OF PROJECTS  
BY  
BROAD SUBJECT AREAS**

## BROAD SUBJECT AREA : AGRICULTURAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
1	Development of GPS based steering assist system for agricultural tractor	AICTE-RP	Pal,A., Mr. (M) North Eastern Regional Institute of Sciences & Technology Nirjoui - 791 109 Arunachal Pradesh	7.25	36
2	De novo whole genome & transcriptome sequencing of Asian green mussel, Perna viridis	DBT-R&D	Gopalakrishnan,A., Dr. (M) Director ICAR-Central Marine Fisheries Research Institute Ernakulam Kochi - 682 018 Kerala	85.24	36
3	Deciphering the role of NLRs, TLRs & RLRs-signal transduction pathways in Labeo rohita brood female in enhancing broadly acting maternal innate immunity for the prevention of infection & mortality of larvae	DBT-R&D	Samanta,M., Dr. (M) Principal Scientist ICAR-Central Institute of Freshwater Aquaculture Bhubaneswar - 751 002 Odisha	91.16	36
4	Development of grow-out technology for mass culture of sand & muddy polychaete worms & assessment of their seasonal nutritional profiling for use in shell & fin fish hatcheries	DBT-R&D	Sudalayandi,K., Dr. (M) Principal Scientist ICAR-Central Institute of Brackishwater Aquaculture Chennai - 600 028 Tamil Nadu	61.79	36
5	Development of vaccines against Tilapia Lake Virus (TiLV) & Cyprinid herpesvirus -2 of fish in Indian aquaculture system	DBT-R&D	Hameed,A.S.S., Dr. (M) Coordinator C. Abdul Hakeem College Vellore - 632 509 Tamil Nadu	166.04	36
6	Probiotics mediated host bioenergetic health modulation as a novel approach to the management of microbial infections	DRDO-LSRB	Saini,V., Dr. (M) Assistant Professor All India Institute of Medical Sciences Ansari Nagar New Delhi - 110 029 Delhi	75.56	36
7	Automated tea leaf harvester	DSIR-PRISM	Sharma,R.K., Dr. (M) Assam Don Bosco University Department of Computer Science Engineering & Information Technology, Azara Guwahati - 781 017 Assam	2.20	12
8	Development of a composite constrained layer dampning tape	DSIR-PRISM	Panda,S., Dr. (M) Indian Institute of Technology (Guwahati) Department of Mechanical Engineering Guwahati - 781 039 Assam	4.36	12
9	Formulation of fish feed pellet from waste product generated from food processing industries & vegetables/fruit market	DSIR-PRISM	Hussain,M., Ms. (F) CSIR-North East Institute of Science & Technology Medical Aromatic & Economical Plant Group, BSTD Jorhat - 785 006 Assam	1.80	12
10	Characterizing milk colostrum of Ladhaki cows & yak for identification of biomolecules with therapeutic potential	DST-ASACODER	Mukesh,M., Dr. (M) Principal Scientist ICAR-National Bureau of Animal Genetic Resources Makrampur, GT Road Bye Pass Karnal - 132 001 Haryana	349.43	36
11	Development of sustainable agriculture systems involving fruit, fodder crops & exotic vegetables for better livelihood option to farming community of cold arid region-Ladakh	DST-ASACODER	Saxena,A., Dr. (M) Principal Scientist & Head ICAR-Central Arid Zone Research Institute Regional Research Station Leh - 194 101 Jammu & Kashmir	104.79	36
12	Improvement in productivity of harvested rainwater in traditional water harvesting structures of arid region through integration of horticulture & agro forestry system	DST-ASACODER	Singh,A., Dr. (M) Principal Scientist ICAR-Central Arid Zone Research Institute Department of Horticulture, Light Industrial Area Jodhpur - 342 003 Rajasthan	77.16	36
13	Aflatoxin management in spices: Development of preventive methods & novel detection device	DST-DDP	Anees,K., Dr. (M) Scientist ICAR-Indian Institute of Spices Research Kozhikode - 673 012 Kerala	52.52	24

## BROAD SUBJECT AREA : AGRICULTURAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
14	Agro biomass derived lignin based low cost water resistant self cleaning nanofilms	DST-DDP	Bhaumik,J., Dr. (F) Centre of Innovative Applied Bio Processing Mohali - 140 306 Punjab	55.03	24
15	Analysis design & development of low cost cold storage for selected agricultural products based fully on solar & geothermal energy	DST-DDP	Dasgupta,M.S., Prof. (M) Birla Institute of Technology & Science (Pilani ) Department of Mechanical Engineering Pilani - 333 031 Rajasthan	47.03	24
16	Application of induction heating in Soymilk extraction for its quality improvement	DST-DDP	Pare,A., Dr. (M) Assistant Professor Indian Institute of Food Processing Technology Thanjavur - 613 005 Tamil Nadu	30.99	24
17	Audio electronics system for matured coconut identification	DST-DDP	Christopher,S.C., Dr. (M) St. Xavier's Catholic College Department of Electronics & Communication, Nagercoil	17.93	24
18	Automatic handy & portable nutmeg harvesting machine	DST-DDP	Carol,J., Dr. (F) Assistant Professor Mar Ephraem College of Engineering & Technology Department of Electronics & Communication Engineering Kanya Kumari - 629 165 Tamil Nadu	28.13	24
19	Design & development of a bulk material handling device for metering, mixing & delivery of powder feedstock	DST-DDP	Kapil,S., Dr. (M) Indian Institute of Technology (Guwahati) Guwahati - 781 039 Assam	52.75	36
20	Design & development of autonomous robot for crop-monitoring & localized pest neutralization	DST-DDP	Bhattacharya,B., Prof. (M) Indian Institute of Technology (Kanpur) Department of Mechanical Engineering Kanpur - 208 016 Uttar Pradesh	86.75	24
21	Design & development of in-situ indigenous soil analysis system for effective fertigation in precision farming	DST-DDP	Sathyan,A., Mr. (M) Principal Engineer & Scientist D Centre for Development of Advanced Computing (C-DAC) Thiruvananthapuram - 695 033 Kerala	56.88	24
22	Design & development of low cost nutrient sensors & smart solar powered fertigation system	DST-DDP	Rengaraju,P., Dr. (M) Professor Velammal College of Engineering & Technology Department of Information Technology Madurai - 625 009 Tamil Nadu	19.95	24
23	Design & development of novel submersible line start permanent magnet assisted synchronous reluctance motor for agricultural water pumping	DST-DDP	Senthilnathan,N., Dr. (M) Professor Kongu Engineering College Department of Electrical & Electronics Engineering Erode - 638 052 Tamil Nadu	6.79	24
24	Design & development of pilot plant for extraction of protein from De oiled cotton cake & by products utilization	DST-DDP	Kadam,D.M., Dr. (M) ICAR-Central Institute for Research on Cotton Technology Adenwala Road, Matunga Mumbai - 400 019 Maharashtra	55.03	24
25	Design & development of stanolone aeroponic chamber with high light-quality factor & climatic control	DST-DDP	Srrenivas,K.R., Dr. (M) Jawaharlal Nehru Centre for Advanced Scientific Research Post Jakkur Bengaluru - 560 064 Karnataka	25.95	24
26	Design & development raised bed pneumatic precision multi-crop planter	DST-DDP	Sahoo,P.K., Dr. (M) ICAR-Indian Agricultural Research Institute Pusa New Delhi - 110 012 Delhi	43.82	24

BROAD SUBJECT AREA : AGRICULTURAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
27	Design, development & demonstration of struvite recovery by electro coagulation from urinal systems for fertilizer applications	DST-DDP	Balasubramanian,P., Dr. (M) Assistant Professor National Institute of Technology (Rourkela) Department of Biotechnology Medical Engineering Rourkela - 769 008 Odisha	41.96	24
28	Development of a fully mechanized plant for the production of syrup from sweet Sorghum	DST-DDP	Rajvanshi,A.K., Dr. (M) Director Nimbkar Agricultural Research Institute Tambal, Phaltan-Lonand Road Phaltan - 415 523 Maharashtra	20.67	24
29	Development of deep learning based unmanned animal intrusion monitoring & deterrent system for agricultural lands	DST-DDP	Kumar,A., Dr. (M) Professor P.S.G. College of Technology Department of Electrical & Electronics Engineering Coimbatore - 641 004 Tamil Nadu	12.98	24
30	Development of high protection net for agriculture/horticulture application	DST-DDP	Pranav,P.K., Dr. (M) Tamil Nadu Agricultural University Department of Farm Machinery & Power Engineering Coimbatore - 641 003 Tamil Nadu	20.93	24
31	Development of high protection net for agriculture/horticulture application	DST-DDP	Surwase,P.R., Mr. (M) Scientist C The Synthetic & Art Silk Mills' Research Association Department of Mechanical Chemical Processing, Sasmira Marg, Worli Mumbai - 400 030 Maharashtra	38.24	24
32	Development of microcontroller based automatic depth control system for mounted implements	DST-DDP	Pranav,P.K., Dr. (M) Associate Professor Dr. Rajendra Prasad Central Agricultural University Department of Farm Machinery & Power Samastipur - 848 125 Bihar	20.93	24
33	Development of nano based smart pesticide formulations for high agricultural productivity	DST-DDP	Kandasamy,R., Prof. (F) Head University College of Engineering Tiruchirappalli - 620 024 Tamil Nadu	55.74	24
34	Development of self sustained modular solar photovoltaic-thermal PV-T based forced convection dryer for agro-crops	DST-DDP	Tripathy,P.P., Dr. (F) Assistant Professor Indian Institute of Technology (Kharagpur) Department of Agricultural & Food Engineering Midnapore - 721 302 West Bengal	31.65	24
35	Development of smart solutions for managing biotic & abiotic stresses in cassava, sweet potato & taro through artificial intelligence	DST-DDP	Mithra,V.S.S., Dr. (M) ICAR-Central Tuber Crops Research Institute Indian Council of Agricultural Research Thiruvananthapuram - 695 017 Kerala	35.43	24
36	Development of solar-powered variable swath herbicide applicator robot for high-value vegetable crop	DST-DDP	Kushwaha,D.K., Mr. (M) Scientist ICAR-Indian Agricultural Research Institute Division of Agricultural Engineering, Pusa New Delhi - 110 012 Delhi	45.60	24
37	Development of spectroscopic soil health analyzer using chemometric analysis & cloud service	DST-DDP	Baddadi,S.K., Mr. (M) Senior Scientist CSIR-Central Electrochemical Research Institute Pilani - 333 031 Rajasthan	61.02	36
38	Doubling the income of farmers through the production of a high quality jaggery, shakkar & its value-added products & improvisation in machinery & process	DST-DDP	Dixit,S.R., Mr. (M) Director Jan Sewa Ashram The Technology Part IARI, Village Sant Nagar, Post Dhakauli Fatehpur - 212 601 Uttar Pradesh	65.38	24
39	Instrument for rapid detection of aflatoxin-B in cereal grains & oil seeds hyper alfa	DST-DDP	Chakraborty,S.K., Dr. (M) Senior Scientist ICAR-Central Institute of Agricultural Engineering Division of Agro Produce Processing Bhopal - 462 038 Madhya Pradesh	61.81	24

## BROAD SUBJECT AREA : AGRICULTURAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
40	Modernization of jaggery production unit - initiative towards enegy efficient hygienic jaggery production	DST-DDP	Venkatesh, Mr. (M) Scientist CSIR-National Institute for Interdisciplinary Science & Technology Division of Agro Processing & Technology Thiruvananthapuram - 695 019 Kerala	33.81	24
41	Multifunctional colloidal sulfur particles: A promising green pesticide for practical agriculture applications	DST-DDP	Rao,K.J., Dr. (F) Assistant Professor Vel Tech Dr. Rangarajan & Dr. Sagunthala R&D Institute of Science & Technology Department of Biotechnology Chennai - 600 062 Tamil Nadu	27.19	24
42	Nutri-cycle waste-derived biodegradable polymeric hydrid fertilizer BPHF for recycling nutrients from treated wastewater to agricultural fields	DST-DDP	Sarkar,S., Dr. (M) Indian Institute of Technology (Roorkee ) Department of Civil Engineering, Roorkee-Haridar Highway Roorkee - 247 667 Uttarakhand	37.55	24
43	Solar powered onion dryer using induction heating	DST-DDP	Kemkar,A.N., Dr. (M) Professor S.I.E.S. Graduate School of Technology Department of Electronics & Telecommunication Navi Mumbai - 400 706 Maharashtra	3.93	24
44	Sustainable processing of agro - residual waste to produce acoustic materials bio-renewable chemical using green solvents	DST-DDP	Fatima,D., Dr. (M) Assistant Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	11.63	24
45	Technologies innovation & transfer of technologies for poverty alleviation via mechanized formulation for poultry feed for tribal backyard poultry farmers bye use of agricultural cum food residues	DST-DDP	Muzamil,S., Dr. (M) Assistant Professor Sher-E-Kashmir University of Agriculture Sciences & Technology (Kashmir) Srinagar - 190 011 Jammu & Kashmir	32.25	24
46	Technology development of agri-residue management using advanced anaerobic reactor	DST-DDP	Yadvika, Dr. (F) Assistant Scientist Ch. Charan Singh Haryana Agricultural University Hisar - 125 004 Haryana	44.83	24
47	Vehicle based electromagnetic & electrochemical soil sensors for increased productivity	DST-DDP	Malhotra,I., Dr. (F) Dronacharya College of Engineering Department of Engineering, Khentawas Gurgaon - 122 001 Haryana	43.75	24
48	Advanced in Internet-of Thing IOT based crop health and soil monitoring with automatic irrigation system	DST-IBC	Mukherjee,A., Dr. (F) CSIR-Central Mechanical Engineering Research Institute Durgapur - 713 209 West Bengal	17.80	36
49	Biogas for people multi feed-stock solid-state anaerobic co-digestion and role of bio-nanoparticles for the development of robust & sustainable methanogenesis in India & Egyptian cooperation with India & Egypt	DST-IBC	Vivekanand, Dr. (M) Malaviya National Institute of Technology (Jaipur) Jaipur - 302 017 Rajasthan	11.34	36
50	Demestication soil microbiome for mitigation of drought stress tolerance in tomato via rhizosphere engineering	DST-IBC	Sharma,S., Dr. (F) Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	11.10	36
51	Development of Irrigation Management Information & Communication System (IMICS) for humid tropical Kerala & arid climate of Egypt as a Decision Support System (DSS) tool for improving the crop productivity	DST-IBC	Surendran,U., Dr. (M) Centre for Water Resources Development & Management Kozhikode - 673 571 Kerala	9.10	36



## BROAD SUBJECT AREA : AGRICULTURAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
52	DST-INRIA MoU	DST-IBC	Panda,C.K., Dr. (M) Bihar Agricultural University Bhagalpur - 813 210 Bihar	36.15	36
53	DST-Inria MoU	DST-IBC	Surampudi,B.R., Dr. (M) International Institute of Information Technology Hyderabad - 500 032 Telangana	65.81	36
54	Enhancing climate change adaptation processes for farmers & agribusinesses	DST-IBC	Geethalakshmi,V., Dr. (F) Tamil Nadu Agricultural University Coimbatore - 641 003 Tamil Nadu	79.85	36
55	Evaluation of the production strategies, nutritional value & therapeutic properties of probiotic Sea buckthorn juice	DST-IBC	Gauba,P., Dr. (F) Jaypee Institute of Information Technology Noida - 201 309 Uttar Pradesh	12.60	36
56	Mining the genetic diversity for rust resistance in wild wheat <i>aegilops tauschii</i> through combination of AgRenSeq & genome wide association mapping	DST-IBC	Chhuneja,P., Dr. (M) Punjab Agricultural University Ludhiana - 141 027 Punjab	9.10	36
57	Novel biochar & rhizobacteria based bioinoculant for sustainable production of healthy food from stressed agro-ecosystems	DST-IBC	Arora,N., Dr. (M) Babasaheb Bhimrao Ambedkar University Lucknow - 226 025 Uttar Pradesh	13.49	36
58	Sustainable irrigation advisories for mid-Himalayan farmers using smart satellite image analytics	DST-IBC	Thakur,M., Dr. (M) Indian Institute of Technology (Mandi) Mandi - 175 005 Himachal Pradesh	99.29	36
59	Thermal energy storage for food/grain drying with CST/RE to lower pollution	DST-IBC	Buddhi,D., Dr. (M) Lovely Professional University Jalandhar-Delhi G.T. Road, Phagwara Jalandhar - 144 411 Punjab	59.16	36
60	Use of big data analytics for adapting impact of climate change on water resources	DST-IBC	Aggarwal,R., Dr. (M) Punjab Agricultural University Ludhiana - 141 027 Punjab	9.10	36
61	Assessing the environment fate & transport of amixture of nano particles through soil	DST-N-M	Kumar,A., Dr. (M) Indian Institute of Technology (Delhi) New Delhi - 110 016 Delhi	75.01	36
62	Electro hydro dynamic encapsulation of probiotics in prebiotic nano fibers for food applications	DST-N-M	Amaladhas,P.H., Dr. (M) ICAR-National Dairy Research Institute Southern Regional Station Bengaluru - 560 030 Karnataka	130.46	36
63	Fabrication of hand held device for on-site applications: Pesticide monitoring in environment & agriculture products	DST-N-M	Singh,N., Dr. (M) Indian Institute of Technology (Ropar) Rupnagar - 140 001 Punjab	58.27	36
64	Conservation & sustainable livelihood through appropriate technological intervention in villages around Marine National Park, Gujarat	DST-SCSP	Thirumaran,G., Dr. (M) Gujarat Institute of Desert Ecology Post Box-83, Mundra Road Bhuj - 370 001 Gujarat	54.74	36
65	Design & development of retrofit solution for fruits & vegetable vending cart	DST-SCSP	Deshpande,A.P., Prof. (M) Indian Institute of Technology (Madras) Rural Technology Aciton Group Chennai - 600 036 Tamil Nadu	13.50	36

## BROAD SUBJECT AREA : AGRICULTURAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
66	Design development of Sabjikothe, a preservative setup for use for vegetable/fruit vendors	DST-SCSP	Ramkumar,J., Prof. (M) Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	33.17	36
67	Development of air-cooled based vegetable vending cart	DST-SCSP	Saini,R.P., Prof. (M) Indian Institute of Technology (Roorkee ) Department of Hydro & Renewable Energy Roorkee - 247 667 Uttarakhand	6.35	36
68	Empowerment of Apatani tribe of Arunchal Pradesh through value addition of ethnic food items	DST-SCSP	Tamuly,C., Dr. (M) CSIR-North East Institute of Science & Technology Naharlagon - 791 110 Arunachal Pradesh	64.09	36
69	Establishing indigenous innovative farming model for sustainable crop production & tribal empowerment in Mizoram	DST-SCSP	Tripathi,S.K., Prof. (M) Mizoram University Department of Forestry Aizawal - 796 004 Mizoram	62.70	36
70	Fabrication & training for contamination free food packing, fabrication & training for contamination free food packing	DST-SCSP	Singh,N., Dr. (M) Associate Professor Indian Institute of Technology (Ropar) Department of Chemistry, Bara Phool, Birla Seed Farms Rupnagar - 140 001 Punjab	29.22	36
71	Improved smart vending cart for fresh fruits & vegetables science technology & innovation hub in IIT Delhi, New Delhi district, Delhi state	DST-SCSP	Saha,S.K., Prof. (M) Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	25.38	36
72	Integrated approach for design & deployment facilitation of value-added vegetable vending smart cart	DST-SCSP	Ramu,S.M., Prof. (M) Indian Institute of Technology (Bombay) Industrial Desing Centre, Powai Mumbai - 400 076 Maharashtra	50.61	36
73	Integrated approaches towards addressing sustainable agriculture among the SC/ST population with special reference to Jhum cultivators of Karbi Anglong district of Assam	DST-SCSP	Barooah,M., Prof. (F) Assam Agricultural University Department of Agricultural Biotechnology Jorhat - 785 013 Assam	77.24	36
74	Interfaced approaches towards addressing sustainable agriculture am on the SC/ST population with special reference to Jhum cultivators of Karbi Anglong district of Assam	DST-SCSP	Barooah,M., Prof. (F) Assam Agricultural University Department of Agricultural Biotechnology Jorhat - 785 013 Assam	77.24	36
75	Investigation on anaerobic composting for soil health enhancement & development to fermented products	DST-SCSP	Jeyakumar,M., Dr. (M) Christ the King Engineering College Onnipalayam Road, Karamadai Coimbatore - 641 104 Tamil Nadu	82.33	36
76	Precision farming & the value addition for scheduled caste population in Piduguralla Mandal, Guntur district, Andhra Pradesh	DST-SCSP	Kodukula,S., Dr. (M) K.L. University Department of Computer Science & Engineering, Green Fields Vaddeswaram - 522 502 Andhra Pradesh	103.22	36
77	Processing & value addition of under exploited flowers & tubers for entrepreneurship development & economic empowerment of SC/ST beneficiaries	DST-SCSP	Jadhav,V.S., Dr. (F) University of Agricultural Sciences Department of Family Resource Management, College of Community Science Dharwad - 580 005 Karnataka	82.54	36
78	Research & development-cum demonstration of integrated agriculture-aquaculture for food security & to improve rural livelihood of scheduled caste people of Konkan region of Maharashtra	DST-SCSP	Chavan,B.R., Prof. (M) Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth College of Fisheries, A/P-Shirgaon Ratnagiri - 415 629 Maharashtra	178.91	36

## BROAD SUBJECT AREA : AGRICULTURAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
79	Socio-economic empowerment & capacity building of rural SC/ST communities through technological intervention in fish farming	DST-SCSP	Gupta,A., Dr. (M) Sher-E-Kashmir University of Agriculture Sciences & Technology (Jammu) Faculty of Agriculture, Fisheries Unit Jammu - 180 009 Jammu & Kashmir	51.76	36
80	Stimulation scientific quality improvement program in young ST human resources for self-sustainable empowerment	DST-SCSP	Acharya,S., Dr. (M) Indian Association for the Cultivation of Science 2a & 2b, Raja S.C. Mullick Road, Jadavpur Kolkata - 700 032 West Bengal	211.76	36
81	System on chip technology to enhance the productivity & quality of horticulture crop	DST-SCSP	Anupalli,I., Dr. (M) Audisankara College of Engineering & Technology #NH-5 Bypass Road, Aravinda Nagar Guntur - 524 101 Andhra Pradesh	74.76	36
82	Technologic & economic empowerment of SC farm families to mitigate the impact of Covid-19 through jute fiber based farming, value addition & value chain establishment	DST-SCSP	Shamna,A., Dr. (F) ICAR-Central Research Institute for Jute & Allied Fibres Barrackpur Barasat Road, Nilgung, Barrackpur Kolkata - 700 120 West Bengal	54.93	36
83	The livelihood enhancement of the tribal of Njaraneely ward of Peringammala panchayat, Thiruvananthapuram district, Kerala through plant resource enrichment, by back & herbal products development	DST-SCSP	Binu,S., Dr. (F) Jawaharlal Nehru Tropical Botanic Garden & Research Institute Palode Thiruvananthapuram - 695 562 Kerala	34.53	36
84	Valorization & dissemination of gal gal citrus pseudo Limon tan. Processing techniques for the sustainable livelihood of weaker sections of the society	DST-SCSP	Kumar,V., Dr. (M) Punjab Agricultural University PAU Campus Ludhiana - 141 004 Punjab	58.92	36
85	Development of flaxseed-rich probiotic dairy foods to address menopause symptoms	DST-WS	Ganguly,S., Dr. (F) ICAR-National Dairy Research Institute Division of Dairy Technology Karnal - 132 001 Haryana	35.06	36
86	Livelihood generation & improvement for women entrepreneurs in small scale fruits & vegetable farming & post harvesting management	DST-WS	Kashyap,A., Dr. (F) Associate Professor Indian Institute of Technology (Mandi) Mandi - 175 005 Himachal Pradesh	35.66	36
87	Design & developed hydroponic system for Agri-Research, in north east region, CDAC-Mohali	MEITY-R&D	Singh,J., Dr. (M) Centre for Development of Advanced Computing (C-DAC) A-34, Phase 8, Industrial Area, Sector 73, S.A.S. Nagar Mohali - 160 071 Punjab	159.82	24
88	Design & development of a microwave compact cost-effective Brix meter for sugar industry by SAMEER, Mumbai	MEITY-R&D	Suryarao,P.V., Mr. (M) SAMEER - Centre for Electromagnetics P.B. No. 8448, IIT Campus, Powai Mumbai - 400 076 Maharashtra	87.38	18
89	e-guna: Sensory assessment for quality if fermented food from north-east India, CDAC-Kolkata	MEITY-R&D	Bhattacharya,N., Dr. (M) Centre for Development of Advanced Computing (C-DAC) Plot E-2/1, Block GP, Sector V, Salt Lake, Bidhannagar	356.36	24
90	Shuddhta: Design, development & development of electronics quality assessment systems for edible oils, jointly, by CDAC, Kolkata & Krishi Vigyan Kendra (KVK), Akola	MEITY-R&D	Bhattacharya,N., Dr. (M) Centre for Development of Advanced Computing (C-DAC) Plot E-2/1, Block GP, Sector V, Salt Lake, Bidhannagar	66.57	12
Total Cost of 90 Projects Under: <b>Agricultural Sciences</b>				5,219.96	

## BROAD SUBJECT AREA : BIOLOGICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
91	Analysis & identification of features from neural dynamics & their correlations with autonomic nervous system for development of hybrid brain-computer interface	AICTE-RP	Sinha,R., Dr. (M) Birla Institute of Technology (Mesra) Ranchi - 835 215 Jharkhand	17.65	36
92	Biogenic nanoparticles as effective agents for combating Anti-Microbial Resistance (AMR)	AICTE-RP	Ismail,M., Dr. (M) Acharya Institute of Technology Bengaluru - 560 090 Karnataka	7.55	36
93	Design & evaluation of novel transdermal patches for the effective Insulin delivery in Type 2 Diabetic patients	AICTE-RP	Jeyanthi,J., Dr. (F) Government College of Technology Coimbatore - 641 013 Tamil Nadu	5.88	36
94	Sludge derived surface-active compounds assisted mycoremediation of costal zones contaminated with hydrophobic organic compounds	AICTE-RP	Kumar,V.V., Dr. (M) S.R.M. Institute of Sciences & Technology Kanchipuram Kattankulathur - 603 203 Tamil Nadu	24.18	36
95	Synthesis of inexpensive & novel adsorbents from coconut coir fibers for the removal of synthetic dyes from textile dyeing effluents	AICTE-RP	Ramalingam,P., Dr. (M) Kumaraguru College of Technology Coimbatore - 641 049 Tamil Nadu	13.20	36
96	Deciphering the contribution of quorum sensing regulated CRISPR-CAS system in the virulence of Klebsiella pneumoniae	CSIR-ES	Chhibber,S., Dr. (M) Panjab University Department of Microbiology Chandigarh - 160 014 Chandigarh	10.20	36
97	Dissecting phenomic components of growth & productivity & their predictive value in ploidy mediated improvement in medicinal & aromatic plants	CSIR-ES	Lavania,S., Dr. (F) Lucknow University Department of Botany Lucknow - 226 007 Uttar Pradesh	10.20	36
98	Genomic specific SSR & chromosomal markers analysis & molecular characterization of gigantea gene in musa species	CSIR-ES	Das,A.B., Dr. (M) Utkal University Department of Botany Bhubaneswar - 751 004 Odisha	10.20	36
99	I-chip & novel cultivation technique based enrichment of un-culturable microbes for novel/new bioactive compounds	CSIR-ES	Shetty,P.R., Dr. (M) CSIR-Indian Institute of Chemical Technology Division of Organic Synthesis & Process Chemistry Hyderabad - 500 007 Telangana	10.20	36
100	Identification of GSH responsive microrna/s in arabidopsis thaliana	CSIR-ES	Chattopadhyay,S., Dr. (F) CSIR-Indian Institute of Chemical Biology Division of Organic & Medicinal Chemistry Kolkata - 700 032 West Bengal	10.20	36
101	Modulation of amyloid-B & A-synuclein accumulation in a humanized caenorhabditis elegans model of Alzheimer's & Parkinson's disease	CSIR-ES	Pandey,R., Dr. (M) CSIR-Central Institute of Medicinal & Aromatic Plants Department of Microbial Technology & Nematology Lucknow - 226 015 Uttar Pradesh	10.20	36
102	Search for ribonucleotide insertion in DNA as a novel genomic imprinting mechanism in eukaryotes	CSIR-ES	Singh,J., Dr. (M) Panjab University Department of Biochemistry Chandigarh - 160 014 Chandigarh	10.20	36
103	Taxonomic revision, molecular phylogeny & conservation of the family marantaceae in India	CSIR-ES	Mamiyji,S., Dr. (M) KSCSTE-Malabar Botanical Garden & Institute for Plant Sciences Division of Taxonomy Kozhikode - 673 014 Kerala	10.20	36

## BROAD SUBJECT AREA : BIOLOGICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
104	To dissect the mechanism of cancer stem cell-induced pro-tumor T regulatory cell generation: A stepping stone toward developing effective immune-therapeutic opportunity for breast cancer	CSIR-ES	Das,T., Dr. (F) Bose Institute Division of Molecular Medicine Kolkata - 700 054 West Bengal	10.20	36
105	Towards understanding the role of the stringent response regulator DKSA in regulating the intracellular C-Di-GMP level in the cholera pathogen vibrio cholerae	CSIR-ES	Bhadra,R.K., Dr. (M) CSIR-Indian Institute of Chemical Biology Division of Infectious Disease & Immunology Kolkata - 700 032 West Bengal	10.20	36
106	Understanding the methylome during progression of uterine cervical carcinoma to identify novel tumor drivers: Prognostic & therapeutic implications	CSIR-ES	Panda,C.K., Dr. (M) Chittaranjan National Cancer Institute Department of Oncogene Regulation Kolkata - 700 026 West Bengal	10.20	36
107	Development of haploids & doubled haploids in cucumber (Cucumis sativus) for germplasm innovation	CSIR-SS	Dey,S.S., Dr. (M) ICAR-Indian Agricultural Research Institute Division of Vegetable Science New Delhi - 110 012 Delhi	22.00	36
108	Evaluation & in vivo validation of tryptanthrin analogues as potent lead molecules for malignant melanoma chemotherapy	CSIR-SS	Anto,R.J., Dr. (F) Rajiv Gandhi Centre for Biotechnology Division of Cancer Research Thiruvananthapuram - 695 014 Kerala	15.00	36
109	Exploring the role of reactive oxygen & dicarbonyl species detoxification in adaptation of picrorhiza kurroa to cold & high altitudes	CSIR-SS	Pareek,S.L.S., Dr. (F) International Centre for Genetic Engineering & Biotechnology New Delhi - 110 067 Delhi	18.00	36
110	Synergistic impact of symbiotic fungus piriformospora indica & PGPRS in promoting stevia rebaudiana growth & its secondary metabolites	CSIR-SS	Shrivastava,N., Dr. (M) Amity University Noida - 201 313 Uttar Pradesh	23.00	36
111	"Biodiversity informatics: North-east India Bio-Bank of Codes Network (NIBBCoNet): BIC at north-eastern hill university, Shillong"	DBT-R&D	Biswal,D.K., Dr. (M) Coordinator North-Eastern Hill University Shillong - 793 022 Meghalaya	164.55	60
112	A hybrid Bayesian approach to address socio-economic challenges in assisted reproductive techniques across Indian sub population through a web based implementation	DBT-R&D	Sengupta,A., Dr. (M) Assistant Professor Amity Institute of Biotechnology Noida - 201 303 Uttar Pradesh	24.66	36
113	A transcriptional approach to identify biomarkers of susceptibility and/or resistance to tuberculosis in native & crossbred cattle	DBT-R&D	Dey,B., Dr. (M) Scientist E National Institute of Animal Biotechnology Hyderabad - 500 046 Telangana	76.15	36
114	Advancing hit-to-lead discovery against malaria parasites by targeting protein & nucleic acid synthesis pathways	DBT-R&D	Sharma,A., Dr. (M) Group Leader International Centre for Genetic Engineering & Biotechnology New Delhi - 110 067 Delhi	428.90	60
115	Artificial intelligence-based prediction of an intracellular analyte concentration class using morphological images of parts	DBT-R&D	Panda,B., Prof. (M) Jawaharlal Nehru University New Delhi - 110 067 Delhi	26.11	36
116	Assessment & evaluation of therapeutic potential of natural compounds of selected marine bioresources under the marine bio resource & biotechnology network Programme	DBT-R&D	Parida,A.K., Dr. (M) Director Institute of Life Sciences Bhubaneswar - 751 023 Odisha	341.82	36

BROAD SUBJECT AREA : BIOLOGICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
117	Assessment of prophylactic & therapeutic role of BCG against SARS CoV2 infection: Study in hamster model	DBT-R&D	Bhaumik,M., Dr. (F) Scientist C ICMR-National Institute of Cholera & Enteric Diseases Kolkata - 700 010 West Bengal	37.01	15
118	Atypical G protein regulator Gβ5 might be developed as novel target to attenuate chemotherapeutics induced hypertrophy to heart failure transition through CaMKII dependent T-tubule remodeling	DBT-R&D	Maity,B., Dr. (M) Associate Professor Centre for Biomedical Research Lucknow - 226 014 Uttar Pradesh	67.35	36
119	Autotetraploid induction in critically endangered high value Himalayan medicinal plant Podophyllum hexandrum as a means of preventing extinction, mitigate climate change(s), colonize new Eco geographical regions & genetic improvement	DBT-R&D	Raina,S.N., Prof. (M) Emeritus Professor Amity University Noida - 201 303 Uttar Pradesh	28.63	36
120	Bioinformatics & computational systems biology of Cancer-BIC at ACTREC-TMC, Navi-Mumbai	DBT-R&D	Varma,A.K., Dr. (M) Scientific Officer G Advanced Centre for Treatment Research & Education in Cancer Mumbai - 410 210 Maharashtra	188.91	60
121	Bioinformatics centre for computational drug discovery at regional centre for biotechnology- BIC at regional centre for biotechnology, Faridabad	DBT-R&D	Jain,D., Dr. (F) Associate Professor Regional Centre for Biotechnology Faridabad - 121 001 Haryana	197.31	60
122	CBD-THC enriched phytopharmaceutical drug for cancer pain management	DBT-R&D	Kumar,A., Dr. (M) Senior Technical Officer CSIR-Indian Institute of Integrative Medicine Jammu - 180 001 Jammu & Kashmir	210.00	18
123	Center for computational biology & bioinformatics- BIC at JNU, New Delhi	DBT-R&D	Ahmad,S., Prof. (M) Jawaharlal Nehru University New Delhi - 110 067 Delhi	190.46	60
124	Centre for advanced research in low back pain & degenerative disc disease	DBT-R&D	Shanmuganathan,R., Prof. (M) Director & Chairman Ganga Orthopaedic Research & Education Foundation Coimbatore - 641 043 Tamil Nadu	1110.58	60
125	Centre for drug design, disposition & toxicoinformatics- BIC at Punjabi University, Patiala	DBT-R&D	Silakari,O.K., Dr. (M) Associate Professor Punjabi University Patiala - 147 001 Punjab	74.88	60
126	Characterisation of novel Interferon Stimulated Genes (ISGs) regulating JEV replication	DBT-R&D	Sood,V., Dr. (M) Assistant Professor Jamia Hamdard New Delhi - 110 062 Delhi	58.93	36
127	Characterization & identification of extracellular vesicles for liquid biopsies in diagnosis of autoimmune hepatitis	DBT-R&D	Bihari,C., Dr. (M) Institute of Liver & Biliary Sciences New Delhi - 110 070 Delhi	49.53	36
128	Characterization of inter-cellular transport of Ran GTPase	DBT-R&D	Joseph,J., Dr. (M) Scientist F National Centre for Cell Sciences Pune - 411 007 Maharashtra	79.87	36
129	Characterize the role of Angiogenin & tRNA derived small RNAs in early embryogenesis	DBT-R&D	Palakodeti,D., Dr. (M) Institute for Stem Cell Biology & Regenerative Medicine	141.87	36
130	Charting a dendritic cell signaling network modulating intestinal inflammation	DBT-R&D	Basak,S., Dr. (M) Staff Scientist VI National Institute of Immunology New Delhi - 110 067 Delhi	174.05	36

## BROAD SUBJECT AREA : BIOLOGICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
131	Cis-regulatory configuration controlling B-lineage gene expression	DBT-R&D	Pongubala,J., Prof. (M) Hyderabad University Hyderabad - 500 046 Telangana	64.43	36
132	Collection, conservation & morpho-phenological characterization of citrus germplasm of north east region	DBT-R&D	Saikia,S., Dr. (M) Chief Scientist Assam Agricultural University Jorhat - 785 013 Assam	1031.20	36
133	Comprehensive characterization of novel lncRNA-protein network orchestrating the mammalian cell cycle program	DBT-R&D	Tripathi,V., Dr. (F) Scientist D National Centre for Cell Sciences Pune - 411 007 Maharashtra	78.43	36
134	Conservation of the bilaterian organizer: Novel studies in the horseshoe crab, tachypleus gigas; Müller	DBT-R&D	Biswas,S., Dr. (M) Associate Professor Birla Institute of Technology & Science (Pilani ) Goa - 403 726 Goa	66.35	36
135	Controlling immunosuppressive properties of T regulatory cells with retinal glia: Implications for tubercular uveitis	DBT-R&D	Chatterjee,N., Dr. (F) Associate Professor Vision Research Foundation Chennai - 600 006 Tamil Nadu	66.49	36
136	COVID-19 bioresource	DBT-R&D	Sarin,A., Prof. (F) Director Institute for Stem Cell Biology & Regenerative Medicine	168.76	24
137	Covid-19 bioresource at the NCR biotech science cluster	DBT-R&D	Vrati,S., Dr. (M) Executive Director Regional Centre for Biotechnology Faridabad - 121 001 Haryana	678.38	24
138	Death receptor-5 targeted lipid nanoparticles of ?-secretase inhibitor for simultaneous targeting of breast cancer cells & cancer stem cells	DBT-R&D	Praveen,T.K., Dr. (M) Professor J.S.S. College of Pharmacy Ootacamund - 643 001 Tamil Nadu	48.94	36
139	Deciphering mechnotransduction of immune system in altered gravity	DBT-R&D	Sarkar,R.R., Dr. (M) Principal Scientist CSIR-National Chemical Laboratory Pune - 411 008 Maharashtra	29.17	36
140	Deciphering the role of bone marrow mesenchymal stem cell derived exosomes in the pathobiology of aplastic anemia	DBT-R&D	Chaturvedi,C.P., Dr. (M) Sanjay Gandhi P.G. Institute of Medical Sciences Lucknow - 226 014 Uttar Pradesh	56.87	36
141	Delineating the mechanism of anti-leishmanial activity of tricyclic antidepressant norclomipramine for drug repurposing studies	DBT-R&D	Dasgupta,S.B., Dr. (M) Assistant Professor Grade I Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	51.29	36
142	Design & development of 500 kg capacity solar-biomass hybrid distillation unit with the mobile type distillation vassal & its field demonstration for entrepreneurship development	DBT-R&D	Das,D., Mr. (M) Scientist CSIR-North East Institute of Science & Technology Jorhat - 785 006 Assam	74.74	24
143	Design & development of biogas driven hybrid solar dryer for north-eastern climate condition	DBT-R&D	Palanisamy,M., Prof. (M) Indian Institute of Technology (Guwahati) Guwahati - 781 039 Assam	35.41	36
144	Design & synthesis of novel iminosugar variants & their cationic amphiphiles as antiviral therapeutics against Dengue Virus (DENV)	DBT-R&D	Lankalapalli,R.S., Dr. (M) Senior Scientist CSIR-National Institute for Interdisciplinary Science & Technology Thiruvananthapuram - 695 019 Kerala	51.91	36
145	Developing an extract of sida cordifolia as a therapy for epilepsy	DBT-R&D	Sundar,K., Dr. (M) Professor Kalasalingam University Virudhunagar - 626 126 Tamil Nadu	24.32	24

## BROAD SUBJECT AREA : BIOLOGICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
146	Developing novel applications from silk fibres & silk proteins	DBT-R&D	Padaki,N.V., Dr. (M) Scientist D Central Silk Board Bengaluru - 560 068 Karnataka	89.99	36
147	Development of a complete skin substitute by autologous cell grafting using an in-situ forming bioactive scaffold for burn wound healing	DBT-R&D	Roy,A., Dr. (M) Assistant Professor Birla Institute of Technology & Science (Pilani ) Pilani - 333 031 Rajasthan	24.98	22
148	Development of a highly sensitive technique for specific detection of pesticidal residues & heavy metals in crude herbal drugs & herbal products	DBT-R&D	Annasamy,G., Dr. (F) Vel Tech Dr. Rangarajan & Dr. Sagunthala R&D Institute of Science & Technology Chennai - 600 062 Tamil Nadu	25.22	24
149	Development of a real time crop advisory system exploiting nanotechnology based nitrogen sensor with Internet of Farming (IoF) framework	DBT-R&D	Mishra,P., Dr. (M) Birla Institute of Technology & Science (Pilani ) Pilani - 333 031 Rajasthan	46.15	36
150	Development of a robust cross-platform data conversion & integration platform for whole-genome expression & methylation studies	DBT-R&D	Panda,B., Dr. (M) Jawaharlal Nehru University New Delhi - 110 067 Delhi	49.12	24
151	Development of a virus like particle based vaccine against Indian isolate of porcine Circovirus	DBT-R&D	Deb,R., Dr. (M) Senior Scientist ICAR-National Research Centre on Pig Guwahati - 781 131 Assam	77.38	36
152	Development of an endogenous STING agonist adjuvanted mycobacterium bovis BCG vaccine to enhance efficacy against tuberculosis	DBT-R&D	Dey,R.J., Dr. (F) Assistant Professor Birla Institute of Technology & Science (Pilani ) Hyderabad - 500 078 Telangana	98.57	36
153	Development of anti-viral peptide aptamers for SARS-Cov-2: Design & evaluation	DBT-R&D	Raja,K.M.P., Dr. (M) Assistant Professor Central University of Kerala Kasaragod - 671 123 Kerala	69.97	24
154	Development of boswellia serrata based phytopharmaceutical drug for osteoarthritis	DBT-R&D	Sangwan,P.L., Dr. (M) Senior Scientist CSIR-Indian Institute of Integrative Medicine Jammu - 180 001 Jammu & Kashmir	225.53	18
155	Development of climate-smart rice for NE India: Introgression of drought (qDTY1.1 + qDTY2.1 + qDTY3.1) & submergence (Sub1) tolerant genes/QTL into high yielding glutinous RC Maniphou-7 rice variety (Oryza sativa L.)	DBT-R&D	Ngangkham,U., Dr. (M) Scientist ICAR-Research Complex for NEH Region Shillong - 793 103 Meghalaya	46.61	36
156	Development of disease diagnostic kits for CTV, HLB, phytophthora gummosis & citrus canker in citrus of north east India	DBT-R&D	Thakuria,D., Prof. (M) College of Post Graduate Studies Department of Soil Microbiology Tura - 793 103 Meghalaya	282.85	36
157	Development of environmentally benign nano-formulations for improved bioactive metabolites in selected aromatic plants	DBT-R&D	Podile,A.R., Prof. (M) Senior Professor Hyderabad University Hyderabad - 500 046 Telangana	57.40	36
158	Development of gait training tools & mobility aids for Parkinson's patients	DBT-R&D	Kumar,N., Dr. (M) Principal Scientist CSIR-Central Scientific Instruments Organization Chandigarh - 160 030 Chandigarh	71.13	36
159	Development of improved process for production of 3-hydroxypropionic acid from crude glycerol & lignocellulosic biomass derived glucose	DBT-R&D	Jayaraman,G., Prof. (M) Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	84.80	36



## BROAD SUBJECT AREA : BIOLOGICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
160	Development of Layered Double Hydroxide (LDH) nanoclays for topical delivery of RNAi for sustained protection of economically important plants against pest attack	DBT-R&D	Borah,R., Dr. (M) Institute of Advanced Study in Science & Technology Guwahati - 781 035 Assam	41.90	36
161	Development of MOF/QD based optical sensor for determination of phosphate in agricultural land to facilitate effective crop cultivation	DBT-R&D	Dilbaghi,N., Dr. (M) Professor Guru Jambheshwar University of Science & Technology Hisar - 125 001 Haryana	59.43	36
162	Development of multiplex/disposable paper microfluidic device for detection of $\beta$ -lactum antibiotic residues in livestock & poultry products	DBT-R&D	Gandhi,S., Dr. (F) Scientist D National Institute of Animal Biotechnology Hyderabad - 500 046 Telangana	36.62	36
163	Development of non-destructive process technology for simultaneous micronutrient fortification & bioavailability enhancement in Dal through selective binding of phytic acid	DBT-R&D	Roy,A., Dr. (M) Birla Institute of Technology (Mesra) Ranchi - 835 215 Jharkhand	57.90	36
164	Development of polarized angular light scattering & microfluidics technology for bovine sperm sexing	DBT-R&D	Nayak,D., Dr. (M) Associate Professor Indian Institute of Technology (Indore) Indore - 453 552 Madhya Pradesh	157.04	24
165	Development of potential AChE -inhibitors from north-east Indian plants: Activity-guided isolation, purification & validation using transgene-AD mouse	DBT-R&D	Aguan,K., Prof. (M) North-Eastern Hill University Shillong - 793 022 Meghalaya	63.10	36
166	Development of vegetative propagation protocol & vacuum freeze dehydrated probiotic powder from sohiong (prunus nepalensis) fruit	DBT-R&D	Kambhampati,V., Dr. (M) Indian Institute of Plantation Management Bengaluru - 560 056 Karnataka	142.80	36
167	Differential carriage of Extracellular Vesicles (EVs) in seminal plasma of cattle & buffalo bulls as a novel fertility indicator	DBT-R&D	Kumar,R., Dr. (M) Principal Scientist ICAR-National Dairy Research Institute Karnal - 132 001 Haryana	85.32	36
168	Dissecting the molecular details of PSMD5 interaction to develop novel therapeutic strategies	DBT-R&D	Venkatraman,P., Dr. (F) Associate Professor Advanced Centre for Treatment Research & Education in Cancer Mumbai - 410 210 Maharashtra	81.70	36
169	DNA repair in giant viruses: Biochemical insights into the first virus-coded putative base excision repair pathway	DBT-R&D	Kondabagil,K., Prof. (M) Associate Professor Indian Institute of Technology (Bombay) Mumbai - 400 076 Maharashtra	59.31	36
170	Drug development: From target identification, validation to drug discovery- BIC of Dr. B. R. Ambedkar Center for Biomedical Research, University of Delhi, Delhi	DBT-R&D	Chopra,M., Dr. (F) Dr. B.R. Ambedkar Centre for Biomedical Research Delhi - 110 007 Delhi	189.36	60
171	Early life nutritional intervention to reduce methane emission & improve feed efficiency in goats	DBT-R&D	Kumar,R., Dr. (M) Principal Scientist ICAR-Central Institute for Research on Goats Mathura - 281 122 Uttar Pradesh	84.06	36
172	Effective implementation of reverse quarantine strategy using novel M health technology & community participation for control & prevention of Covid 19- pilot study from Kerala	DBT-R&D	Mathew,G., Dr. (F) Associate Professor Believers Church Medical College Hospital Pathanamthitta - 689 103 Kerala	8.38	6

## BROAD SUBJECT AREA : BIOLOGICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
173	Efficacy of vitamin D2 vs vitamin D3 on the classical & non-classical functions in rat models	DBT-R&D	Ismail,A., Dr. (F) Scientist E ICMR-National Institute of Nutrition Hyderabad - 500 007 Telangana	24.89	36
174	Elucidation of the role of long noncoding RNA-Ginir as a biomarker in lung tumorigenesis	DBT-R&D	Kumar,S., Dr. (M) Scientist II All India Institute of Medical Sciences New Delhi - 110 029 Delhi	86.87	36
175	Energy conservation through electron bifurcation at the thermodynamic limits of life: An insight from methanogenesis in archaea	DBT-R&D	Banerjee,M., Dr. (F) Indian Institute of Science Education & Research (Tirupati) Tirupati - 517 507 Andhra Pradesh	57.37	36
176	Epigenetic regulation of the wound healing program	DBT-R&D	Jamora,C.C., Prof. (M) Institute for Stem Cell Biology & Regenerative Medicine	180.43	36
177	Establishment of a centre of excellence in the area of bioinformatics & computational biology at IIT, Delhi, with the theme as development of genome to hit (Dhanvantari) pipeline: Genome -> gene -> protein -> drug..	DBT-R&D	Mittal,A., Prof. (M) Indian Institute of Technology (Delhi) New Delhi - 110 016 Delhi	214.19	60
178	Establishment of bioinformatics & computational biology centre at National Institute of Immunology, New Delhi	DBT-R&D	Mohanty,B., Dr. (M) Staff Scientist VII National Institute of Immunology New Delhi - 110 067 Delhi	224.94	60
179	Establishment of bioinformatics & computational biology centre for high throughput data analysis	DBT-R&D	Gupta,D., Dr. (M) Group Leader International Centre for Genetic Engineering & Biotechnology New Delhi - 110 067 Delhi	233.89	60
180	Establishment of bioinformatics & computational biology centre: Animal bioinformatics - BIC at National Institute of Technology Rourkela	DBT-R&D	Gupta,M.K., Prof. (M) National Institute of Technology (Rourkela) Rourkela - 769 008 Odisha	74.70	60
181	Establishment of bioinformatics and computational biology centre (centre for advanced research in bioinformatics & computational biology for woman & child health)- BIC at ICMR-National Institute for Research in Reproductive Health, Mumbai	DBT-R&D	Thomas,S., Dr. (F) Scientist E ICMR-National Institute for Research in Reproductive Health Mumbai - 400 012 Maharashtra	198.39	60
182	Establishment of Bioinformatics Centre (BIC) for marine bio-resource conservation & sustainable utilization" at National Centre for Aquatic Animal Health, Cochin University of Science & Technology, Kochi	DBT-R&D	Joseph,V., Dr. (F) Professor & Director Cochin University of Science & Technology Kochi - 682 022 Kerala	74.99	60
183	Establishment of GMP accredited pilot scale extraction facilities for development of herbal or phytopharmaceutical products from the medicinal plants of NE India	DBT-R&D	Murty,U.S.N., Dr. (M) Director National Institute of Pharmaceutical Education & Research Guwahati - 781 032 Assam	663.50	36
184	Evaluation of pathogenic potential of various DNA polymerase knock out strains of candida albicans: Implications in the development of live attenuated anti-fungal vaccine	DBT-R&D	Acharya,N., Dr. (M) Institute of Life Sciences Bhubaneswar - 751 023 Odisha	78.13	36

## BROAD SUBJECT AREA : BIOLOGICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
185	Evaluation of safety & efficacy of curcumin (biocurcumax capsule) as an adjunct drug to standard therapy [(artesunate) + (sulfadoxine-pyrimethamine) tablet] for treatment of uncomplicated P. falciparum malaria	DBT-R&D	Kuruville,B.T., Dr. (M) General Manager Arjuna Natural Limited Aluva Kochi - 683 101 Kerala	329.32	24
186	Evaluation of therapeutic potential of PVF-VEGF in trophoblastic differentiation & placental spiral artery remodeling in murine models of preeclampsia	DBT-R&D	Madan,T., Dr. (F) Scientist F ICMR-National Institute for Research in Reproductive Health Mumbai - 400 012 Maharashtra	59.72	36
187	Exploration of native microorganisms & biocatalysts from traditional fermented products of Sikkim Himalayas for development of lactose free & bioactive peptide enriched milk-based functional products	DBT-R&D	Singh,S.P., Dr. (M) Scientist D Centre for Innovation & Applied Bioprocessing Mohali - 160 071 Punjab	116.50	36
188	Exploring diversity of Bacillus thuringiensis in the NER for mining novel insecticidal genes	DBT-R&D	Ningthoujam,K., Dr. (M) Assistant Professor College of Post Graduate Studies Tura - 793 103 Meghalaya	55.00	36
189	Exploring molecular basis of seasonal variation of seminal attributes and identification of potential biomarkers for selection of buffalo bulls with quality semen	DBT-R&D	Kumar,P., Dr. (M) Scientist ICAR-Central Institute for Research on Buffaloes Hisar - 125 001 Haryana	193.39	36
190	Exploring nutraceutical potential of shiitake (lentinula edodes) & maitake (grifola frondosa) mushrooms & promotion of its production for entrepreneurial & socioeconomic livelihood in north east India	DBT-R&D	Sarmah,R., Dr. (M) Associate Professor Assam Down Town University Guwahati - 781 026 Assam	174.23	36
191	Fabrication of real time in planta biosensors for presymptomatic detection of heavy metal toxicity	DBT-R&D	Moulick,R.G., Dr. (F) Assistant Professor Amity Institute of Biotechnology Amity University Gurgaon - 122 413 Haryana	60.00	36
192	Fidelity & processivity of variants of human DNA polymerase delta (Pold): Implications in DNA double strand break repair & carcinogenesis	DBT-R&D	Acharya,N., Dr. (M) Institute of Life Sciences Bhubaneswar - 751 023 Odisha	67.63	36
193	Functional characterization of skeletal muscle myosin heavy chain-embryonic in adult muscle regeneration & disease	DBT-R&D	Mathew,S.J., Dr. (M) Associate Professor Regional Centre for Biotechnology Faridabad - 121 001 Haryana	77.44	36
194	Functional characterization of the regulatory genes involved in pungency in Capsicum sp	DBT-R&D	Parvatam,G., Dr. (M) Principal Scientist CSIR-Central Food Technological Research Institute Mysore - 570 020 Karnataka	110.44	36
195	Functionalized membrane-based process for selective isolation of Milk Fat Globules (MFGs)	DBT-R&D	Ambatipudi,K., Dr. (M) Associate Professor Indian Institute of Technology (Roorkee ) Roorkee - 247 667 Uttarakhand	54.94	30
196	Generation & evaluation of a live vectored vaccine against porcine Circo Virus infection of swine	DBT-R&D	Barman,N.N., Dr. (M) Professor College of Veterinary Science AAU, Khanapara Guwahati - 781 022 Assam	88.20	36
197	Genome Informatics: Applications in biodiversity & human health	DBT-R&D	Sowdhamini,R., Dr. (F) Professor National Centre for Biological Sciences Bengaluru - 560 065 Karnataka	190.85	60

## BROAD SUBJECT AREA : BIOLOGICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
198	Genome wide association mapping for identification of novel genes/QTLS of Bao rice population of Assam for deep water tolerance & nutritional quality trait	DBT-R&D	Chowdhury,D., Dr. (M) Principal Scientist Assam Agricultural University Jorhat - 785 013 Assam	84.84	36
199	Geriatric chronic cerebral hypo perfusion: Role of short chain fatty acids supplementation on gut-brain axis function, protein misfolding, autophagy & cognition	DBT-R&D	Chidambaram,S.B., Dr. (M) Associate Professor J.S.S. College of Pharmacy Mysore - 570 015 Karnataka	49.80	36
200	Harnessing endophytes & arbuscular mycorrhizal fungi from citrus microbiome for plant & soil health management in north east India	DBT-R&D	Gayan,A., Dr. (F) Assistant Professor Assam Agricultural University Jorhat - 785 013 Assam	113.35	36
201	Harnessing the potential of traditional knowledge-based medicinal plants for identifying ANTI- SARS-COV2 compounds	DBT-R&D	Parida,A.K., Dr. (M) Director Institute of Life Sciences Bhubaneswar - 751 023 Odisha	38.68	12
202	Heparinoids based adjuvants for flaviviruses vaccine development	DBT-R&D	Kikkeri,R., Dr. (M) Associate Professor Indian Institute of Science Education & Research (Pune) Pune - 411 021 Maharashtra	49.23	36
203	High-affinity binders against COVID-19 spike protein using display libraries	DBT-R&D	Sirajuddin,M., Dr. (M) Institute of Stem Cell Biology & Regenerative Medicine Bengaluru - 560 065 Karnataka	59.61	12
204	Human milk based human milk fortifier for preterm infants	DBT-R&D	Paulose,T.A.P., Dr. (F) Assistant Professor Bishop Moore College Mavelikara Alappuzha - 690 110 Kerala	49.90	36
205	Hunt for PANACEA (PAN-Anti-Coronavirus) against coronaviruses of the past, present & the future	DBT-R&D	Hegde,N.R., Dr. (M) Scientist G National Institute of Animal Biotechnology Hyderabad - 500 046 Telangana	91.18	24
206	Identifying therapeutic targets for blocking infection of highly pathogenic SARS-CoV-2 at an early stage: Developing novel screening assay with minimal bio-hazard risk	DBT-R&D	Krishnan,A., Dr. (F) Assistant Professor Jamia Hamdard New Delhi - 110 062 Delhi	83.94	24
207	Improved goat animal production for healthier products through guided nutrients & bio-actives feeding	DBT-R&D	Verma,A.K., Dr. (M) Scientist ICAR-Central Institute for Research on Goats Mathura - 281 122 Uttar Pradesh	105.09	36
208	Indian Chronic Kidney Disease (ICKD) study: Second phase	DBT-R&D	Jha,V., Dr. (M) Professor George Institute for Global Health New Delhi - 110 025 Delhi	545.77	60
209	Influence of micronutrient status on biomarkers of aging in frailty	DBT-R&D	Reddy,G.B., Dr. (M) Scientist G ICMR-National Institute of Nutrition Hyderabad - 500 007 Telangana	59.96	36
210	Inhibition of interaction between receptor binding domain of spike protein of SARS-CoV-2 & human ACE2 by protein mimic DNA [BT/TEMP10623/COVID/02/20]	DBT-R&D	Karanam,R.N., Dr. (M) Associate Professor Indian Institute of Technology (Hyderabad) Sangareddy - 502 205 Telangana	6.00	12
211	Inhibition of novel pathways to control stationary phase response of mycobacteria	DBT-R&D	Jayaraman,N., Prof. (M) Indian Institute of Science Bengaluru - 560 012 Karnataka	98.28	36

## BROAD SUBJECT AREA : BIOLOGICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
212	Insights into the efflux pump arsenal of the emerging pathogen <i>C. auris</i> & its implication in high order of antifungal resistance & virulence	DBT-R&D	Banerjee,A., Dr. (M) Assistant Professor Amity University Gurgaon - 122 413 Haryana	54.89	36
213	Integrated metabolic network reconstruction & modeling of liver regeneration	DBT-R&D	Vinod,P.K., Dr. (M) Assistant Professor International Institute of Information Technology Hyderabad - 500 032 Telangana	24.98	36
214	Integrated meta-omics analysis to study the modulation of gut microbiota for better prognosis of gastroenteritic complaints	DBT-R&D	Natarajan,J., Dr. (M) Professor Bharathiar University Coimbatore - 641 046 Tamil Nadu	28.08	36
215	Investigating SARS-CoV2 3'-5' exonuclease (NSP14/ExoN) as therapeutic target for CoVID19	DBT-R&D	Natarajan,V.T., Dr. (M) Principal Scientist CSIR-Institute of Genomics & Integrative Biology Delhi - 110 007 Delhi	85.78	24
216	Investigating the potential role of Tcf4 in mature neuronal maintenance	DBT-R&D	Ghosh,H.S., Dr. (F) Reader F National Centre for Biological Sciences Bengaluru - 560 065 Karnataka	113.74	36
217	Investigating the role of Inositol hexakis phosphate Kinase 1 (IP6K1) in mRNA metabolism	DBT-R&D	Bhandari,R., Dr. (F) Staff Scientist & Group Head Centre for DNA Fingerprinting & Diagnostics (CDFD) Hyderabad - 500 001 Telangana	79.53	36
218	Investigating the role of macrophage in hepatitis B virus mediated disease progression towards end-stage liver diseases	DBT-R&D	Banerjee,S., Dr. (F) Associate Professor Institute of Post Graduate Medical Education & Research & S.S.K.M. Hospital Kolkata - 700 020 West Bengal	54.70	36
219	Isoform specific functions of AKT kinase in neuronal Insulin-signaling & Insulin-resistant diabetes	DBT-R&D	Dey,C.S., Dr. (M) Professor Indian Institute of Technology (Delhi) New Delhi - 110 016 Delhi	76.50	36
220	Isolation, identification & synthesis of pheromones of major looper pest of tea <i>hyposidra talaca walker</i> for the development of pheromone based management strategy	DBT-R&D	Gathalkar,G.B., Dr. (M) Scientist CSIR-National Chemical Laboratory Pune - 411 008 Maharashtra	60.99	36
221	Lignocellulosic biomass utilization for lactic acid & bioethanol production	DBT-R&D	Goyal,A., Prof. (M) Indian Institute of Technology (Guwahati) Guwahati - 781 039 Assam	62.47	36
222	Lipid transfer mechanism of cholesteryl ester transfer protein: Role of triglycerides	DBT-R&D	Senapati,S., Dr. (M) Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	24.94	36
223	Management of fusarium wilts in NER banana using ICAR-FUSICONT technology	DBT-R&D	Bora,P., Ms. (F) Assam Agricultural University Jorhat - 785 013 Assam	312.86	36
224	Mass level extraction of sericin from tasar cocoon cooking waste water for its prospective utilization	DBT-R&D	Jena,K., Dr. (M) Scientist D Central Tasar Research & Training Institute Ranchi - 835 303 Jharkhand	40.51	36
225	Mass-multiplication, cultivation, value addition, & popularization of <i>docynia indica</i> among tribal communities of Assam & Meghalaya	DBT-R&D	Barman,P., Dr. (M) Assistant Professor Gauhati University Guwahati - 781 014 Assam	68.54	36
226	Micro environmental regulation of DNA damage & DNA repair in mouse embryonic stem cells	DBT-R&D	Sen,S., Prof. (M) Indian Institute of Technology (Bombay) Mumbai - 400 076 Maharashtra	37.03	36

## BROAD SUBJECT AREA : BIOLOGICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
227	Micro propagation & cultivation of native orchids & hybrids for on-farm conservation & income generation in Kerala through cluster formation	DBT-R&D	Dan,M., Dr. (M) Sr. Scientist & HOD Jawaharlal Nehru Tropical Botanic Garden & Research Institute Thiruvananthapuram - 695 562 Kerala	183.07	36
228	Micro propagation, agro-techniques standardization & utilization of Woody Pepper (Piper pendulispicum C. DC): A novel spice from Andaman Islands	DBT-R&D	Waman,A.A., Dr. (M) Scientist ICAR-Central Island Agricultural Research Institute Port Blair - 744 101 Andaman & Nicobar Islands	38.95	24
229	Modeling of indigenous diagnostics & immuno-potent vaccine candidates to combat African swine fever in India	DBT-R&D	Buragohain,L., Dr. (M) Assistant Professor College of Veterinary Science Guwahati - 781 022 Assam	215.17	24
230	'Molecular & functional insights into ligand binding by DgoR, a transcriptional repressor of D-galactonate metabolism in Escherichia coli'	DBT-R&D	Chaba,R., Dr. (F) Associate Professor Indian Institute of Science Education & Research (Mohali) Mohali - 140 306 Punjab	83.37	36
231	Molecular analysis of circadian rhythm in polycystic ovarian syndrome patients	DBT-R&D	Laloraya,M., Dr. (F) Scientist G Rajiv Gandhi Centre for Biotechnology Thiruvananthapuram - 695 014 Kerala	68.87	36
232	Multi-omics signatures of human placenta: Real time assessment of underlying mechanisms for prediction of birth outcomes & development	DBT-R&D	Maitra,A., Dr. (M) Associate Professor National Institute of Biomedical Genomics Kalyani - 741 251 West Bengal	396.76	36
233	Multi-scale modeling of biological systems in human health & disease - BIC at Indian Institute of Science, Bangalore	DBT-R&D	Srinivasan,N., Prof. (M) Chair Indian Institute of Science Bengaluru - 560 012 Karnataka	192.03	60
234	Network project for establishment of disease free elite khasi mandarin & sweet orange genetic stocks through Shoot Tip Grafting (STG) & mass production of quality planting material for northeastern states of India	DBT-R&D	Barbora,A.C., Dr. (M) Chief Scientist Assam Agricultural University Jorhat - 785 013 Assam	1032.72	36
235	New therapeutics against SARS Cov2: Analyzing small molecule chemical libraries by establishing targeted cell-based assays for inhibitors of viral entry & viral protease	DBT-R&D	Lankalapalli,R.S., Dr. (M) Senior Scientist CSIR-National Institute for Interdisciplinary Science & Technology Thiruvananthapuram - 695 019 Kerala	86.25	12
236	Novel enzymatic strategy for synthesizing human milk oligosaccharides for promoting health of infants	DBT-R&D	Singh,R.P., Dr. (M) Fellow Gujarat Biotechnology University Gandhinagar - 382 355 Gujarat	43.07	36
237	Omega speckle organization & role of Hsromega lncRNAs in modulation of ras signaling in drosophila & stock repository	DBT-R&D	Lakhotia,S.C., Prof. (M) Banaras Hindu University Varanasi - 221 005 Uttar Pradesh	94.37	36
238	Oniom investigation of the role of H-bond in supramolecular hyperphobic aminoacids & its peptide complexes	DBT-R&D	Periasamy,R., Dr. (F) Assistant Professor M.G.R. College Arts & Science Hosur - 635 109 Tamil Nadu	15.49	30
239	Phytochemical characterization & nutritional profiling of germplasm diversity of citrus species existing in north east region	DBT-R&D	Baruah,A.M., Dr. (M) Professor Assam Agricultural University Jorhat - 785 013 Assam	341.10	36
240	Plant genomics, gene regulatory network & novel RNA molecules - BIC at National Institute of Plant Genome Research, New Delhi	DBT-R&D	Kumar,S., Dr. (M) Scientist National Institute of Plant Genome Research New Delhi - 110 067 Delhi	249.94	60

BROAD SUBJECT AREA : BIOLOGICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
241	Polyamines & their involvement in GnRH I regulation & their role in Polycystic Ovarian Syndrome (PCOS) management	DBT-R&D	Banerjee,A., Dr. (M) Assistant Professor Birla Institute of Technology & Science (Pilani ) Goa - 403 726 Goa	54.40	36
242	Pre-clinical evaluation of combination adjuvants for humoral & T cell immunity to respiratory Syncytial virus	DBT-R&D	Medigeshi,G.R., Prof. (M) Translational Health Science & Technology Institute Faridabad - 121 001 Haryana	67.49	24
243	Preclinical evaluation of select AYUSH herbal extracts / formulations for mitigating SARS- COV2 & associated pathologies	DBT-R&D	Dikshit,M., Dr. (F) National Chair Translational Health Science & Technology Institute Faridabad - 121 001 Haryana	200.57	12
244	Process for the preparation of lactose free skim milk powder with approaches to minimize maillard reaction	DBT-R&D	Arora,S., Dr. (M) ICAR-National Dairy Research Institute Karnal - 132 001 Haryana	44.45	36
245	Propagation of Elite Kewda (Pandanus fascicularis) in association with other Aromatic crops to enhance farmer's income through high quality oil production	DBT-R&D	Singh,A.P., Mr. (M) Assistant Director & Head Fragrance & Flavour Development Centre Department of Agro & Rural Technology & Training, Kota Kannauj - 209 726 Uttar Pradesh	87.94	36
246	Proposal for establishing a biorepository for Covid 19 viral & clinical samples	DBT-R&D	Parida,A., Dr. (M) Director Institute of Life Sciences Bhubaneswar - 751 023 Odisha	98.19	24
247	Rapid composting of rice straw in field for crop residue management in rice wheat cropping system through microbial intervention	DBT-R&D	Srivastava,S., Dr. (F) Principal Scientist CSIR-National Botanical Research Institute Lucknow - 226 001 Uttar Pradesh	47.25	36
248	Rapid, low cost fluorescent AIE-based detection of renal dysfunction from urine samples & fabrication of portable & real time device	DBT-R&D	Laskar,I.R., Prof. (M) Birla Institute of Technology & Science (Pilani ) Pilani - 333 031 Rajasthan	79.64	36
249	Renewable drop-in fuels via oleo chemical route	DBT-R&D	Odaneth,A.A., Dr. (F) Coordinator & Associate Professor Institute of Chemical Technology Mumbai - 400 019 Maharashtra	58.16	24
250	Renewal of access to structural biology facilities at ESRF, France	DBT-R&D	Nair,D.T., Prof. (M) Regional Centre for Biotechnology Faridabad - 121 001 Haryana	2639.84	36
251	Reproductive biology, analysis of high-value phytochemicals/essential oils for nutraceutical potential & value addition of selected citrus species of north east India	DBT-R&D	Das,S.K., Dr. (M) Scientist Senior Scale ICAR-Research Complex for NEH Region Sikkim Centre Umiam - 793 103 Meghalaya	177.88	36
252	Role of tumour suppressor microRNA-6741-3p in oral squamous cell carcinoma	DBT-R&D	Kumar,A., Prof. (M) Indian Institute of Science Bengaluru - 560 012 Karnataka	54.92	36
253	Screening bee stings for antimicrobials against bacteremia by streptococcus pneumoniae in children	DBT-R&D	Ambatipudi,S.K., Dr. (M) Indian Institute of Technology (Roorkee ) Roorkee - 247 667 Uttarakhand	43.61	18
254	Seaweeds cultivation & utilization in Odisha coast including Chilika Lake for ecological restoration & livelihood generation	DBT-R&D	Sahoo,D., Prof. (M) Delhi University North Campus Delhi - 110 007 Delhi	188.92	36

BROAD SUBJECT AREA : BIOLOGICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
255	Skin-on-a-chip: A platform based on microfluidic technology to support pre-clinical research	DBT-R&D	Majumder,A., Dr. (M) Associate Professor Indian Institute of Technology (Bombay) Mumbai - 400 076 Maharashtra	78.88	24
256	Spatially resolved digital holography polarization microscope for diagnosis applications	DBT-R&D	Singh,R.K., Dr. (M) Associate Professor Indian Institute of Technology (BHU) Varanasi - 221 005 Uttar Pradesh	41.45	36
257	Strengthening the national liver disease bio bank by the establishment of an add-on Covid-19 bio bank	DBT-R&D	Bihari,C., Dr. (M) Institute of Liver & Biliary Sciences New Delhi - 110 070 Delhi	148.58	24
258	Structural & functional studies of mycobacterium tuberculosis peptidyl-tRNA hydrolase: A novel drug target of multidrug-resistant tuberculosis	DBT-R&D	Inampudi,K.K., Dr. (M) Assistant Professor All India Institute of Medical Sciences New Delhi - 110 029 Delhi	67.48	36
259	Studies on in vitro anti-SARS-CoV-2 activity of selected medicinal plants & formulations & their efficacy against COVID-19 in the animal model of disease	DBT-R&D	Mukherjee,P., Prof. (M) Director Instihute of Bioresources & Sustainable Development Imphal - 795 001 Manipur	57.03	12
260	Studies on selected bromo-organic compounds to assess their antibacterial & antioxidant properties	DBT-R&D	Sinha,U.B., Dr. (F) Professor Nagaland University Zunheboto - 798 627 Nagaland	46.75	36
261	Synthesis & analysis of polyamine coated ZNO nanoparticle formulations for seed priming to raise drought tolerance in radish (Raphanus sativus L.)	DBT-R&D	Shanmugham,G., Dr. (F) Associate Professor Bharathiar University Coimbatore - 641 046 Tamil Nadu	37.90	36
262	Synthesis & anti-viral evaluation of newly designed nucleoside analogs beyond repurposing through revamping against emerging Coronavirus 2019 nCoV/SARS-CoV-2 by computational protocols	DBT-R&D	Harshan,K.H., Dr. (M) Principal Scientist CSIR-Centre for Cellular & Molecular Biology Hyderabad - 500 007 Telangana	41.60	24
263	Target identification, pharmacokinetics & pharmacodynamics of a novel ant tuberculosis lead that is effective against MDR-TB	DBT-R&D	Parry,Z.A., Dr. (M) Principal Scientist CSIR-Indian Institute of Integrative Medicine Jammu - 180 001 Jammu & Kashmir	57.43	12
264	Technology development & innovation engineering for value chain development for citrus fruits of north east region	DBT-R&D	Singha,S., Dr. (M) Assistant Professor Indian Institute of Technology (Guwahati) Guwahati - 781 039 Assam	78.57	36
265	Technology scale-up & promotion of Ompok bimaculatus (Pabda) as aqua-preneurship option & livelihood improvement	DBT-R&D	Biswas,P., Dr. (M) Assistant Professor College of Fisheries Central Agricultural University Agartala - 799 001 Tripura	41.54	36
266	Theoretical insight into the structure & functioning of defensin family of proteins: An all-atom molecular dynamics simulation study	DBT-R&D	Paul,S., Prof. (M) Indian Institute of Technology (Guwahati) Guwahati - 781 039 Assam	26.50	36
267	To analyze the molecular profile of pediatric gliomas & establish robust & economical methods for molecular subgrouping & risk stratification	DBT-R&D	Suri,V., Dr. (F) Professor All India Institute of Medical Sciences New Delhi - 110 029 Delhi	99.52	36



## BROAD SUBJECT AREA : BIOLOGICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
268	To compare the repair of chondral defects using human bone marrow mesenchymal stem cells, articular cartilage derived chondrocytes, cell sorted chondroprogenitors & fibronectin adhesion derived chondroprogenitors suspended in platelet rich plasma..	DBT-R&D	Vinod,E., Dr. (F) Assistant Professor Christian Medical College Vellore - 632 004 Tamil Nadu	31.46	24
269	To establish an advanced center in pharmacoinformatics at NIPER, Mohali	DBT-R&D	Bharatam,P.V., Prof. (M) National Institute of Pharmaceutical Education & Research Mohali - 160 062 Punjab	135.97	60
270	To investigate Anti-Amyloidogenic properties of Anti-Histamine drugs on alpha synuclein & its cellular consequence on autophagy & inflammatory pathways involved in Parkinson's disease	DBT-R&D	Khan,R.H., Prof. (M) Aligarh Muslim University Aligarh - 202 002 Uttar Pradesh	57.47	36
271	To investigate the mechanisms of ligand-independent WNT signaling by frizzled receptors in the developing drosophila epithelium	DBT-R&D	Chaudhary,V., Dr. (M) Assistant Professor Indian Institute of Science Education & Research (Bhopal) Bhopal - 462 066 Madhya Pradesh	43.00	36
272	To study & gain mechanistic insights into the regulation of Salmonella pathogenesis by endogenous CRISPR-Cas system	DBT-R&D	Marathe,S.A., Dr. (F) Assistant Professor Birla Institute of Technology & Science (Pilani ) Pilani - 333 031 Rajasthan	50.95	36
273	To study host cell regulation under influence of mycobacterium tuberculosis using mathematical models	DBT-R&D	Chatterjee,S., Dr. (M) Assistant Professor Translational Health Science & Technology Institute Faridabad - 121 001 Haryana	24.95	24
274	TRAIL conjugated oxaliplatin hybrid drug delivery for targeting DR4 & DR5 receptor for management of colorectal cancer	DBT-R&D	Bhuyan,N.R., Dr. (M) Principal Himalayan Pharmacy Institute Gangtok - 737 136 Sikkim	33.43	36
275	Transcript fates in Escherichia coli & other bacteria with respect to R-loops & to RNase E	DBT-R&D	Gowrishankar,J., Dr. (M) Director & Professor Indian Institute of Science Education & Research (Mohali) Mohali - 140 306 Punjab	103.75	36
276	Transcriptional & behavioral mechanisms underlying social isolation stress in Drosophila	DBT-R&D	Agrawal,P.K., Dr. (M) Assistant Professor Kasturba Medical College Manipal - 576 104 Karnataka	73.48	36
277	Translational & structural bioinformatics- BIC at Department of Biotechnology, Indian Institute of Technology, Roorkee	DBT-R&D	Kumar,P., Prof. (M) HOD Indian Institute of Technology (Roorkee ) Roorkee - 247 667 Uttarakhand	188.36	60
278	Understanding the citrus tristeza virus resistance mechanisms in citrus species & development of disease-free quality planting material of khasi mandarin (citrus reticulata blanco) from north east India	DBT-R&D	Meetei,N.T., Dr. (M) Assistant Professor Central Agricultural University Umiam - 795 004 Meghalaya	87.94	36
279	Understanding the molecular basis for the extreme differential level of expression of genes from human & animal Rota viruses in gene-transfected cells: Implications for improving the growth of human vaccine strains	DBT-R&D	Chilakalapudi,D.R., Prof. (M) S.R.M. Institute of Sciences & Technology Amaravati Guntur - 522 502 Andhra Pradesh	110.53	36
280	Understanding the regulation of RNPS1 by miRNAs & RNA-binding proteins under ER stress	DBT-R&D	Singh,K.K., Dr. (F) Assistant Professor Indian Institute of Technology (Guwahati) Guwahati - 781 039 Assam	48.67	36

## BROAD SUBJECT AREA : BIOLOGICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
281	Understanding the role of B cells in cross presentation of plasmodium Liver-stage antigen(s) to CD8+ T cells	DBT-R&D	Dalai,S.K., Prof. (M) Director Nirma University Institute of Science Ahmedabad - 382 481 Gujarat	89.36	36
282	Understanding the role of Mitochondrial-Associated Membrane proteins (MAMs) modulated type-I interferon signaling for targeted cell death in ageing breast cancer patients	DBT-R&D	Kamat,S., Dr. (M) Assistant Professor Indian Institute of Science Education & Research (Pune) Pune - 411 021 Maharashtra	162.28	36
283	Unraveling the mechanisms of polarity establishment in animal cells	DBT-R&D	Kotak,S., Dr. (M) Assistant Professor Indian Institute of Science Bengaluru - 560 012 Karnataka	66.98	36
284	Use of non-toxic nano formulations for prolonging shelf life & reduction of post-harvest loss of mandarin orange (citrus reticulata) of north east India	DBT-R&D	Kumar,S., Dr. (M) Assistant Professor Central Institute of Technology Kokrajhar - 783 370 Assam	293.28	36
285	Utilization of citrus microbiome in rejuvenating khasi mandarin plants affected by important citrus diseases	DBT-R&D	Barooah,M., Dr. (F) Professor Assam Agricultural University Jorhat - 785 013 Assam	252.37	36
286	Virtual & in vitro screening of spiropyrolidine derivatives & diverset core library small molecules to identify SARS-CoV-2 entry, fusion & protease inhibitors: An anti-COVID-19 drug discovery & development program	DBT-R&D	Durairajan,S.S.K., Dr. (M) Associate Professor Central University of Tamil Nadu Tiruvavur - 610 004 Tamil Nadu	70.25	36
287	Design & development of affinity based sensors for the detection of radiological compounds in point of CBRN emergencies using ZnO NPs functionalized by amidoxine & muginic acid	DRDO-LSRB	Balakrishnan,R.M., Dr. (M) Senior Scientist National Institute of Technology (Karnataka) Surathal, NH-66, Srinivas Nagar Mangalore - 575 025 Karnataka	55.77	36
288	Design synthesis & evaluation of sugar conjugated pyridine oximes as reactivators of organophosphorous nerve agent inhibited acetylcholinesterase	DRDO-LSRB	Nayak,S., Dr. (F) Assistant Professor Ravenshaw University Cuttack - 753 003 Odisha	45.58	36
289	Development alginate-silver nano-composite embeded with Adipose-derived stem cells for healing of deep burn wounds	DRDO-LSRB	Nelson,E.J.R., Dr. (M) Associate Professor Vellore Institute of Technology University Vellore - 632 014 Tamil Nadu	38.12	36
290	Development of silver & gold nanopores for the optical & electrochemical monitoring of H <sub>2</sub> S, cysteine & glutathione in human blood	DRDO-LSRB	Upadhyay,K.K., Dr. (M) Professor Banaras Hindu University Varanasi - 221 005 Uttar Pradesh	39.41	36
291	Management of chronic wound healing by molecular modulation of angiogenesis in mesenchymal stromal cells	DRDO-LSRB	Mathew,S.A., Dr. (M) Assistant Professor Manipal Academy of Higher Education Bengaluru - 560 065 Karnataka	60.13	36
292	Targeting redox-regulated signaling system for radioprotection using grape proanthocyanidins: Amolecular approach for product development	DRDO-LSRB	Saha,K.D., Dr. (M) Principal Technical Officer CSIR-Indian Institute of Chemical Biology 4, Raja S.C. Mullick Road Kolkata - 700 032 West Bengal	17.00	24
293	Comprehensive & Application-based Solution for Addressing Malnutrition (CASAM) by community health workers	DSIR-PRISM	Shah,K., Ms. (F) 5/Shyam Satya Bunglows, B/H Satyamev Hospital, Chandkheda Ahmedabad - 380 001 Gujarat	9.77	12

## BROAD SUBJECT AREA : BIOLOGICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
294	Development of materials with antimicrobial efficacy for biomedical applications	DSIR-PRISM	Dhara,S., Dr. (M) Indian Institute of Technology (Kharagpur) B-100, IIT Campus Kharagpur - 721 302 West Bengal	9.99	8
295	Development of point of care bio-droplet splitter	DSIR-PRISM	Mondal,P.K., Dr. (M) Indian Institute of Technology (Guwahati) Department of Mechanical Engineering Guwahati - 781 039 Assam	9.90	18
296	Formulation of Daibis cookies by using sea grass & millets	DSIR-PRISM	Mathakala,V., Dr. (F) Plot No. 302, Pratheek Homes Apartment, Gayathri Nagar Tirupati - 517 502 Andhra Pradesh	1.80	8
297	Low cost handheld device for detection of oral cancer	DSIR-PRISM	Mohanty,S., Mr. (M) Smartx Connected Products Private Limited 1st Floor, Technology Business Incubator, Guindy Chennai - 600 025 Tamil Nadu	1.95	8
298	Microfluidic enzymatic biofuel cell for energy harvesting & blood parameters monitoring	DSIR-PRISM	Goel,S., Dr. (M) Birla Institute of Technology & Science (Pilani ) Shameerpet Hyderabad - 500 078 Telangana	15.00	12
299	Promotion & postharvest value addition of four important herbs for improvement of livelihood security in cold desert areas of Himachal Pradesh	DST-ASACODER	Pal,P.K., Dr. (M) Principal Scientist CSIR-Institute of Himalayan Bioresource Technology Palampur - 176 061 Himachal Pradesh	115.95	36
300	Bio softening of banana pseudo stem fiber for industrial application, preparation & bio preservation of nutraceuticals from banana pseudo stem in Tamil Nadu	DST-DDP	Manjusha,W.A., Dr. (F) Head Malankara Catholic College Department of Biotechnology Kanya Kumari - 629 153 Tamil Nadu	32.72	24
301	A study on pollen competition in Arabidopsis hybrids	DST-IBC	Ramamurthy,B., Dr. (M) Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	46.43	36
302	Biocementation for the improvement of sloppy regions in India using biopolymers	DST-IBC	Kamini,N.R., Dr. (F) CSIR-Central Leather Research Institute Chennai - 600 020 Tamil Nadu	7.80	36
303	Biological activity of pyrazinoindoles & pyrazinopyrroles in chlamydia & eukaryotic parasites	DST-IBC	Chandra,R., Prof. (M) Delhi University Delhi - 110 021 Delhi	10.50	36
304	Biotherabubble - Bioactive ultrasound-driven microbubbles for theranostics	DST-IBC	Dey,K.K., Dr. (M) Indian Institute of Technology (Gandhinagar) Gandhinagar - 382 355 Gujarat	43.28	36
305	Determination of the trail-following pheromone & mechanism of the functioning of gut microbiome of the termites	DST-IBC	Mathur,V., Dr. (F) Sri Venkateswara College New Delhi - 110 021 Delhi	9.17	36
306	Development of graphene based nanomaterials for bioelectricity generation through tannery wastewater treatment using microbial fuel cell	DST-IBC	Samsudeen,N., Dr. (M) National Institute of Technology (Tiruchirapalli) Tiruchirappalli - 620 015 Tamil Nadu	9.10	36
307	Drug discovery targeting cysteine biosynthesis: Chemical library screening & structural elucidation	DST-IBC	Gourinath,S., Prof. (M) Jawaharlal Nehru University School of Life Sciences, Aruna Asaf Ali Marg New Delhi - 110 067 Delhi	6.16	36

## BROAD SUBJECT AREA : BIOLOGICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
308	Dynamic evaluation of pharmaceutical contamination & antibiotic bacteria in Indian river	DST-IBC	Bhattacharyya,D., Dr. (M) Indian Institute of Technology (Hyderabad) Sangareddy - 502 285 Telangana	4.70	36
309	Effects of stress on the bacterial factor dependent termination process	DST-IBC	Sen,R., Dr. (M) Centre for DNA Fingerprinting & Diagnostics (CDFD) Hyderabad - 500 039 Telangana	5.36	36
310	Fast-curable immune informed bioinks for tissue-mimetic 3D bio printing	DST-IBC	Ghosh,S., Prof. (M) Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	49.21	36
311	Generation of photosynthetic mutants with high light tolerance	DST-IBC	Subramanyam,R., Prof. (M) Hyderabad University Department of Plance Sciences, School of Life Sciences Hyderabad - 500 046 Telangana	8.92	36
312	High performance biofuel cells based on novel conducting polymers nanocomposites	DST-IBC	Gharpure,S.J., Prof. (M) Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	9.10	36
313	Highly localized, coherent & tunable photon source using nonlinear plasmonics & elastomeric actuator for photo thermal therapy of cancer cells & improved detection in bio-sensing	DST-IBC	Janyani,V., Prof. (F) Malaviya National Institute of Technology (Jaipur) Jaipur - 302 017 Rajasthan	6.94	36
314	Investigation of water soluble magnese corrole complexes as bifunctional catalyst to device on artificial photo synthic system	DST-IBC	Dey,A., Prof. (M) Indian Association for the Cultivation of Science Kolkata - 700 032 West Bengal	11.46	36
315	Liquid feedstack plasma sprayed nanostructured layers on 3D printed porous Ti6Al4V implants impregnated with stem cells in collagen hydrogel for accelerated Osseointegration	DST-IBC	Manivasagam,G., Dr. (F) Vellore Institute of Technology University Centre for Biomaterials, Cellular & Molecular Theranostics Vellore - 632 014 Tamil Nadu	32.16	36
316	Molecular dissection of the Pseudomonas aeruginosa phage endolysin a step toward the next generation therapeutics	DST-IBC	Jain,V., Dr. (M) Indian Institute of Science Education & Research (Bhopal) Bhopal - 462 066 Madhya Pradesh	11.10	36
317	Molecular epidemiological study on drug resistance of diarrheagenic gram-negative bacteria in Chennai, India	DST-IBC	Ganesh,B., Dr. (M) ICMR-National Institute of Epidemiology R-127, 2n Main Road, Layout, Ayapakkam Chennai - 600 077 Tamil Nadu	2.28	36
318	Nanodrug - Polymeric nanostructures for treatment of microbial infections	DST-IBC	Goyal,A.K., Dr. (M) National Institute of Animal Biotechnology Hyderabad - 500 032 Telangana	41.07	36
319	Novel nano-structured enabled drug delivery system for the treatment of Tauopathy in animal model	DST-IBC	Singh,G., Dr. (M) Panjab University University of Institute of Pharmaceutical Sciences Chandigarh - 160 014 Chandigarh	11.10	36
320	Optimization of stem cell-Laden smart biomaterials for 3D bio printing of human cornea	DST-IBC	Ramalingam,M., Dr. (M) Vellore Institute of Technology University Centre for Biomaterials, Cellular & Molecular Theranostics Bhopal - 466 114 Madhya Pradesh	40.40	36

## BROAD SUBJECT AREA : BIOLOGICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
321	Polyphasic assessment of diversity of phototrophic microorganisms from cold environments & their bioprospection potential	DST-IBC	Chowdhary,R., Dr. (M) Indian Institute of Technology (Roorkee ) Roorkee - 247 667 Uttarakhand	25.68	36
322	Polyphasic assessment of diversity of phototrophic microorganisms from cold environments & their bioprospection potential	DST-IBC	Mishra,A.K., Dr. (M) Banaras Hindu University Varanasi - 221 005 Uttar Pradesh	35.26	36
323	Single/binary metal nanoparticles loaded nano-carriers using medicinal plants extract & their application in tissue culture medium as media additive for optimizing laboratory production of bovine embryos	DST-IBC	Ikram,S., Dr. (M) Jamia Millia Islamia New Delhi - 110 025 Delhi	13.10	36
324	Stable isotope & endomicrobiome as a marker for origin of saffron in absence of genetic markers	DST-IBC	Vakhlu,J., Dr. (F) Jammu University Jammu - 180 006 Jammu & Kashmir	15.64	36
325	Structure, functions & activation of bacterial type III toxin-antitoxin complexes	DST-IBC	Singh,M., Dr. (M) Indian Institute of Science Bengaluru - 560 012 Karnataka	9.04	36
326	The bioactive composition of tick saliva, their prevalence of infestation and olfactometric response to electroantennogram	DST-IBC	Bhadra,K., Dr. (F) Kalyani University Kalyani - 741 235 West Bengal	17.80	36
327	Vibrio's as biosensors of global/local	DST-IBC	Taneja,N., Dr. (F) Postgraduate Institute of Medical Education & Research Department of Medical Microbiology Chandigarh - 160 012 Chandigarh	46.16	36
328	Visualizing GPCR-G - protein - $\beta$ arrestin super complex in living cells using two photon polarization microscopy	DST-IBC	Sukla,A.K., Dr. (M) Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	41.95	36
329	3d bioprinting for Engineering biomimetic tissues & organoids for personalized medicine (Enginmed)	DST-IRHPA	Kumar,A., Prof. (M) Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	354.40	60
330	3d bio-stereolithography for engineering functional tissues	DST-IRHPA	Chatterjee,K., Dr. (M) Associate Professor Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	465.74	60
331	Acquisition of state-of-the-art Cryo-Electron microscopy instrument for developing national facility at I.I.T. Bombay	DST-IRHPA	Anand,R., Prof. (F) Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	2860.24	60
332	Establishing the north India facility for Cryogenic Electron microscopy (Cryo-Em) at IIT Kanpur	DST-IRHPA	Shukla,A.K., Dr. (M) Associate Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	2853.02	60
333	National facility of Cryo-Electron microscopy: Remotely operable, 24x7 for academia & industry	DST-IRHPA	Pradeep,T., Prof. (M) Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	2860.34	60
334	Setting up a state-of-art-Cryoem regional/national facility in eastern region at Bose Institute: Transforming the structure-guided drug discovery & therapeutics research landscape in India	DST-IRHPA	Polley,S., Dr. (M) Assistant Professor Bose Institute Centenary Campus, P1/12, Scheme Viim, Kankurgachic I.T.Road Kolkata - 700 054 West Bengal	2860.34	60

BROAD SUBJECT AREA : BIOLOGICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
335	Nano delivery of conspecific kisspept into enhance sexual maturity and gonadal development in catla	DST-N-M	Sharma,R., Dr. (F) ICAR-Central Institute of Fisheries Education Department of Fish Genetics & Biotechnology Mumbai - 400 061 Maharashtra	27.79	36
336	Alternative livelihood for the forest dependent communities in villages near Chandaka Damapara sanctuary with a focus of conservation	DST-SCSP	Pattanayak,T.K., Mr. (M) Centre for Action Research & Documentation HIG-182, Lane 2, Dharma Vihar, Khandagiri Bhubaneswar - 751 030 Odisha	54.38	36
337	Conservation based resource management in Bharomdev WLS to attain livelihood & nutrition security in Chhattisgarh	DST-SCSP	Bandyopadhyay,G., Mr. (M) Chhattisgarh Action & Research Team (CART) O-3, Anupam Nagar, Shankar Nagar Raipur - 492 007 Chhattisgarh	47.41	36
338	Economic empowerment of rural fringe communities of Kaziranga National Park in Biswanath district, Assam	DST-SCSP	Bhengra,K., Mr. (M) District Community Development Programme Bheluadanga, Halem Sonitpur - 784 170 Assam	47.57	36
339	Empowerment of tribal population of selected district of Assam by scientific exploration of Musa balbisiana - A versatile medicinal plant of northeast	DST-SCSP	Devi,R., Dr. (F) Institute of Advanced Study in Science & Technology Division of Life Sciences, Paschim Boragaon, Garchuk Guwahati - 781 035 Assam	27.25	36
340	Linking biodiversity conservation & community livelihood in village around Melghat Tiger Reserve	DST-SCSP	Khandagale,A., Ms. (F) Dream Bahuuddeshiya Sanstha Trimurti Nagar, Tq. Teosa Amravati - 444 902 Maharashtra	52.32	36
341	Livelihood improvement of local communities living around Keibul Lamjao National Park, Manipur through science & technology intervention	DST-SCSP	Kumar,U.H., Mr. (M) The Green Foundation Kwakeithel Awang Thiyam, Leikai Imphal - 795 001 Manipur	53.44	36
342	Managing wildlife conflict through alternative crops & bio fences in Singhalila National Park	DST-SCSP	Rai,R.P., Mr. (M) Darjeeling Ladenla Road Prerna Hayden Hall Complex, 42 Ladenla Road Darjeeling - 734 101 West Bengal	49.47	36
343	People & protected areas: Natural resources conservation & rural livelihood improvement through appropriate technological interventions in villages around Dampa Tiger Reserve, Mizoram	DST-SCSP	Zonunmawia,A.C., Mr. (M) Centre for Environment Protection (CEP) B-27/1, Tuikual South Aizawal - 796 001 Mizoram	54.83	36
344	Promote appropriate technologies for sustainable livelihood & conservation of village around Kaila Devi Wildlife Sanctuary	DST-SCSP	Mali,H., Mr. (M) Society For Sustainable Development Near Pandey Ka Kua, Hindaum Road Karauli - 322 241 Rajasthan	51.79	36
345	Promoting sustainable livelihoods in synergy with forest conservation in villages around Bhimbandh Wildlife Sanctuary	DST-SCSP	Kumar,S., Mr. (M) Samagra Seva North of Animal Hospital, Naya Tola Bihari Jamui - 811 307 Bihar	45.18	36
346	Promotion of farm & forest based natural resource management for livelihood security of marginal communities in village around Palamu Tiger Reserve	DST-SCSP	Ranjan,P., Mr. (M) Society for Promotion of Wastelands Development (SPWD) 14-A, Rouse Avenue Lane, Near ITO New Delhi - 110 002 Delhi	45.18	36
347	Promotion sustainable livelihood through appropriate technological intervention for forest dependent communities in Sathyamangalam Tiger Reserve	DST-SCSP	Anbarasu,C., Dr. (M) Talavady Adhivasigal Munnetra Sangham (TAMS) Kalaikoodamm Hasanur, District Erode Sathyamangalam - 638 401 Tamil Nadu	54.81	36

## BROAD SUBJECT AREA : BIOLOGICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
348	Role of Ayurvedic Rasayanas on Osterogenic & adipogenic differentiation of human umbilical cord-derived Mesenchymal stem cells in 3rd culture & diseases animal models	DST-SERB-ABP	Joshi,K.S., Dr. (F) Professor & Head Sinhgad College of Engineering 44/1 Off Sinhgad Road, Vadgaon (Bk) Pune - 411 041 Maharashtra	38.29	24
349	A crosstalk between DNA replication & chromosome segregation machineries	DST-SERB-CRG	Sau,S., Dr. (M) Associate Professor Amity University Major Arterial Road, Kadampukur Village, Rajarhat Kolkata - 700 135 West Bengal	48.00	36
350	A study of the role of E11 transcription elongation factor in epigenetic regulation of gene expression in schizosaccharomyces pombe	DST-SERB-CRG	Sharma,N., Dr. (F) Associate Professor Guru Govind Singh Indraprastha University Sector 16 C, Dwarka New Delhi - 110 078 Delhi	48.99	36
351	A study on chemical constituents of rice root modulating herbivory by the rice root knot nematode meloidogyne graminicola: A chemical ecology perspective	DST-SERB-CRG	Mukherjee,A., Dr. (M) Assistant Professor Indian Statistical Institute 203, Barrackpore Trunk Road Kolkata - 700 108 West Bengal	30.71	36
352	Activation of Gpi-N-Acetylglucosamine transferase in candida albicans	DST-SERB-CRG	Komath,S.S., Prof. (F) Jawaharlal Nehru University New Mehrauli Road New Delhi - 110 067 Delhi	63.22	36
353	Altered Micu1 expression in impaired mitochondrial calcium handling during oral submucous fibrosis	DST-SERB-CRG	Ahmad,T., Dr. (M) Assistant Professor Jamia Millia Islamia Jamia Nagar New Delhi - 110 025 Delhi	54.04	36
354	An integrated omics approach to develop White Rust (Albugo candida) resistance in Brassica juncea	DST-SERB-CRG	Kumar,A., Dr. (M) Principal Scientist ICAR-National Institute for Plant Biotechnology Pusa Campus New Delhi - 110 012 Delhi	35.24	36
355	Analysis of mitochondria-to-nucleus epigenetic & transcriptional crosstalk in Austim spectrum disorder using cybrid cell lines	DST-SERB-CRG	Rajamma,U., Dr. (F) Senior Scientist Inter University Centre for Biomedical Research & Super Speciality Hospital P.O. Thalappady Kottayam - 686 009 Kerala	58.71	36
356	Application of cellular & molecular cytogenetics to resolve the taxonomy of Indian species of Dipcadi medik (Asparagaceae juss.)	DST-SERB-CRG	Lekhak,M.M., Dr. (M) Assistant Professor Shivaji University Vidyanagar Kolhapur - 416 004 Maharashtra	40.26	36
357	Assessment of combinatorial effect of Sub1a & Sk Loci in lowland indigenous rice lines for tolerance to flash flood followed by stagnation	DST-SERB-CRG	Dey,N., Dr. (M) Assistant Professor Stage III Visva Bharati University Bolpur Santiniketan - 731 235 West Bengal	42.65	36
358	Assessment of selected transcripts for their functional role in development of specific cell types enriched in Withanolides in roots of Withaia somnifera	DST-SERB-CRG	Mukhopadhyay,P., Dr. (M) Senior Scientist CSIR-Central Institute of Medicinal & Aromatic Plants Near Kukrail Picnic Spot Lucknow - 226 015 Uttar Pradesh	38.17	36
359	Bacterial Phosphotriesterases (Ptes) - Role in outer membrane transport & siderophore mediated iron acquisition in Sphingobium fuliginis Atcc 27551	DST-SERB-CRG	Siddavactam,D., Prof. (M) Hyderabad University Hyderabad - 500 046 Telangana	49.53	36
360	Biodiversity & taxonomical studies on Indian Anagyrini (Chalcidoidea: Encyrtidae: Tetracneminae) with molecular analysis	DST-SERB-CRG	Zeya,S.B., Dr. (M) Professor Aligarh Muslim University Aligarh - 202 001 Uttar Pradesh	35.54	36

## BROAD SUBJECT AREA : BIOLOGICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
361	Brain global gene expression: Developing biomarkers for reproductive success in an Estuarine fish, Mugil cephalus - a way to breeding induction	DST-SERB-CRG	Tilak,L., Dr. (M) Assistant Professor Madras Christian College Tambaram Chennai - 600 059 Tamil Nadu	32.78	36
362	Building a super-resolution optical microscope to investigate the effects of Hsp70 on aggregation & disaggregation of amyloid proteins	DST-SERB-CRG	Garai,K.K., Dr. (M) Reader Tata Institute of Fundamental Research TIFR Centre for Interdisciplinary Sciences, 21, Brundavan Colony, Narsingi Hyderabad - 500 046 Telangana	64.16	36
363	Characterization & identification of candidate genes associated with resistant starch & cooking quality traits in 3k rice germplasm	DST-SERB-CRG	Thummakomma,K., Dr. (F) Senior Scientist Prof. Jayashankar Telangana State Agricultural University Rajendranagar Hyderabad - 500 030 Telangana	43.15	36
364	Characterization of dictyostelium Two-pore calcium channel (Tpc2) protein & its role in the progression of autophagy & Htt protein aggregate formation	DST-SERB-CRG	Saran,S., Dr. (F) Professor Jawaharlal Nehru University New Mehrauli Road New Delhi - 110 067 Delhi	42.66	36
365	Characterization of physiological, metabolome, leaf proteome & quality characteristics of wheat cultivars with differential ozone sensitivity under individual & combined effects of elevated ozone & carbon dioxide	DST-SERB-CRG	Agrawal,S.B., Dr. (M) Professor Banaras Hindu University Pandit Madan Mohan Malviya Road Varanasi - 221 005 Uttar Pradesh	27.17	36
366	Computational & experimental investigation of the role of erythrocyte in local metabolic control of coronary blood flow	DST-SERB-CRG	Pradhan,R.K., Dr. (M) Associate Professor & HOD College of Engineering & Technology Ghatikia, Mahalaxmi Vihar Bhubaneswar - 751 003 Odisha	38.72	36
367	Computational quantification of mutagenic potential of palindromic sequences in prokaryotic & eukaryotic genomes	DST-SERB-CRG	Subramanian,H., Dr. (M) Assistant Professor National Institute of Technology (Durgapur) Mahatma Gandhi Road, A-Zone Durgapur - 713 209 West Bengal	18.58	36
368	Construction of Snp based high-density consensus linkage map & Qtl identification in linseed	DST-SERB-CRG	Yadav,H.K., Dr. (M) Principal Scientist CSIR-National Botanical Research Institute Rana Pratap Marg, Post Box No 436 Lucknow - 226 001 Uttar Pradesh	30.82	36
369	Crispr/Cas mediated targeted editing for virus resistance in sugarcane	DST-SERB-CRG	Chinnaswamy,A., Dr. (M) Senior Scientist ICAR-Sugarcane Breeding Institute Veerakeralam Coimbatore - 641 007 Tamil Nadu	34.67	36
370	Cytoplasmic stress granules: Dynamic regulators of Anastasis in cancer cells?	DST-SERB-CRG	Seervi,M., Dr. (M) Assistant Professor All India Institute of Medical Sciences Ansari Nagar New Delhi - 110 029 Delhi	63.29	36
371	Deciphering evolution of dioecy & gender determination mechanism in Himalayan seabuckthorn using molecular & cytogenetic tools	DST-SERB-CRG	Tandon,R., Prof. (M) Delhi University Delhi - 110 007 Delhi	23.87	36
372	Deciphering limb regeneration potential in ladybird beetles	DST-SERB-CRG	Mishra,G., Dr. (F) Associate Professor Lucknow University Babunanj, Hasanganj Lucknow - 226 001 Uttar Pradesh	53.19	36



## BROAD SUBJECT AREA : BIOLOGICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
373	Deciphering the regulation of Piwil1 in cancer stem cells	DST-SERB-CRG	Das,A.V., Dr. (F) Scientist Rajiv Gandhi Centre for Biotechnology Melaranoor Road, Poojapura, Tycaud Thiruvananthapuram - 695 014 Kerala	50.33	36
374	Deciphering the role of Hmgb1 in chromatin dynamics	DST-SERB-CRG	Patel,A.K., Dr. (M) Assistant Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	33.11	36
375	Delineating the molecular mechanism of age-related hearing loss	DST-SERB-CRG	Rakshit,S., Dr. (M) Assistant Professor Indian Institute of Science Education & Research (Mohali) Knowledge City, Sector 81, S.A.S. Nagar Mohali - 140 306 Punjab	66.74	36
376	Determine the mechanism of Autophagy-related gene-1 (Atg1) mediated regulation of mitochondrial dynamics during Drosophila oogenesis	DST-SERB-CRG	Shravage,B.V., Dr. (M) Scientist D Agharkar Research Institute Gopal Research Agarkar Road Pune - 411 004 Maharashtra	46.38	36
377	Development of a process for enhancing functional properties & reducing microbial activity of minor millet flour using cold plasma	DST-SERB-CRG	Pradhan,R.C., Dr. (M) Associate Professor National Institute of Technology (Rourkela) Sector 1 Rourkela - 769 008 Odisha	34.91	36
378	Development of antheraea mylitta cytopviral detection system by producing monoclonal antibodies against viral capsid protein	DST-SERB-CRG	Ghosh,A.K., Dr. (M) Professor Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	50.20	36
379	Development of cytoplasmic male sterile lines in Onion (Allium cepa L.) through targeted mutagenesis of Acmsh1 gene	DST-SERB-CRG	Anandhan,S., Dr. (M) National Fellow Directorate on Onion & Garlic Research Rajgurunagar Pune - 410 505 Maharashtra	24.98	36
380	Development of elite breeding lines & detects Qtls & genes responsible for quality & disease resistance through magic population in rice	DST-SERB-CRG	Pillai,A., Dr. (M) Professor & Head Agricultural College & Research Institute Killikulam, Vallanadu Thoothukkudi - 628 252 Tamil Nadu	33.88	36
381	Development of genome engineering platform in industrially relevant yeast, Lachancea Kluyveri, for improved production of fatty-acid derived biofuels & chemicals	DST-SERB-CRG	Ghosh,A., Dr. (M) Assistant Professor Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	35.53	36
382	Development of high oleic spanish bunch groundnut variety through marker assisted backcross	DST-SERB-CRG	Narayana,M., Prof. (M) Head National Pulse Research Centre Vamban Colony Pudukkottai - 622 303 Tamil Nadu	37.19	36
383	Development of phytochemical & molecular resources in Curcuma Zedoaria (White Turmeric) emphasizing on cloning & characterisation of essential oil biosynthesis genes	DST-SERB-CRG	Kar,B., Dr. (M) Assistant Professor Siksha O Anusandhan University J-15, Khandagiri Marg, Dharam Vihar, Jagamara Bhubaneswar - 751 003 Odisha	20.71	36
384	Development of rice genotypes exhibiting tolerance against submergence, salinity & phosphorous starvation through marker assisted gene pyramiding	DST-SERB-CRG	Namasivayam,A., Dr. (F) Assistant Professor Tamil Nadu Agricultural University Lawley Road, Pappanaicken, Pudur Coimbatore - 641 003 Tamil Nadu	36.52	36
385	Diversity & molecular phylogeny of myxozoan parasites infecting freshwater fishes in Punjab & their biological effects	DST-SERB-CRG	Kaur,H., Dr. (F) Associate Professor Panjab University Sector 14 Chandigarh - 160 014 Chandigarh	28.62	36

## BROAD SUBJECT AREA : BIOLOGICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
386	DNA barcoding for ciliate species identification of Delhi, India	DST-SERB-CRG	Makhija,S., Prof. (F) Associate Professor Acharya Narendra Dev College No.3, Govind Puri, Kalkaji New Delhi - 110 019 Delhi	41.97	36
387	DNA-nanotechnology based fabrication of amperometric aptasensor for non small cell lung cancer diagnosis	DST-SERB-CRG	Das,J., Dr. (M) Associate Professor S.R.M. Institute of Sciences & Technology S.R.M. Nagar Kattankulathur - 603 203 Tamil Nadu	29.75	36
388	'Drop & detect': Distance-based assay for candida albicans using paper-based microfluidic devices & isothermal	DST-SERB-CRG	Mani,N., Dr. (M) Assistant Professor Manipal University Manipal Academy of Higher Education Manipal - 576 104 Karnataka	25.30	36
389	Ecological impacts of major invasive alien plants (IAPs) on native flora in Rajaji Tiger Reserve, Uttarakhand	DST-SERB-CRG	Kumar,A., Dr. (M) Scientist C Wildlife Institute of India Chandrabani Dehradun - 248 001 Uttarakhand	25.80	36
390	Elucidating bacterial non coding RNAs of agricultural relevance from the innate mycorrhizal microbiome	DST-SERB-CRG	Kochar,M., Dr. (F) Senior Scientist The Energy & Resources Institute Darbari Seth Block, India Habitat Centre, Lodhi Road New Delhi - 110 003 Delhi	35.14	36
391	Elucidating micronutrient dependency of vindoline accumulation & relevant gene prospecting in Catharanthus roseus	DST-SERB-CRG	Shukla,A.K., Dr. (M) Principal Scientist CSIR-Central Institute of Medicinal & Aromatic Plants Near Kukrail Pincnic Spot Lucknow - 226 015 Uttar Pradesh	34.24	36
392	Elucidating the functions of chromo domains - H3k9me3 interactions in plasmodium parasites with special focus on virulence genes	DST-SERB-CRG	Rajavelu,A., Dr. (M) Scientist Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	58.43	36
393	Elucidating the mechanism of action of Pehr, a transcriptional regulator in pathogenicity of Ralstonia Solanacearum F1c1(Local isolate)	DST-SERB-CRG	Kumar,A., Dr. (M) Assistant Professor Tezpur University Napaam Tezpur - 784 028 Assam	63.66	36
394	Elucidating the mechanism of biogenesis & secretion of exosomes from host during visceral Leishmaniasis & their role in immune evasion	DST-SERB-CRG	Kar,S., Dr. (M) Senior Scientist CSIR-Central Drug Research Institute Sector 10, Jankipuram Extension, Sitapur Road Lucknow - 226 031 Uttar Pradesh	46.38	36
395	Elucidating the mechanism of S-Nitrosylation of mycobacteria secreted Protein kinase G (PknG) & its consequent phosphorylation of macrophage Suppressor of death domain (SodD) in hindering macrophage apoptosis	DST-SERB-CRG	Bosedasgupta,S., Dr. (M) Assistant Professor Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	41.62	36
396	Elucidating the role of wheat ferroportins during cellular iron homeostasis	DST-SERB-CRG	Pandey,A.K., Dr. (M) Scientist E National Agri-Food Biotechnology Institute Sector 81, S.A.S. Nagar Mohali - 140 308 Punjab	33.12	36
397	Elucidation of the functional interactome of legumes with the fungal pathogen ersonia pisi as key to powdery mildew disease resistance	DST-SERB-CRG	Chandran,D., Dr. (F) Assistant Professor Regional Centre for Biotechnology 3rd Milestone, Faridabad-Gurgaon Expressway Faridabad - 121 001 Haryana	43.99	36
398	Endosymbiotic bacteria in plant associated fungi; Elucidating their role in fungal biology, endophytism & pathogenesis	DST-SERB-CRG	Hassan,S.R., Dr. (M) Principal Scientist CSIR-Indian Institute of Integrative Medicine Canal Road Jammu - 180 001 Jammu & Kashmir	38.99	36

BROAD SUBJECT AREA : BIOLOGICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
399	Enhanced bioremediation of pesticide contaminated crop fields of Punjab using biosurfactant producing concomitant pesticide degrading microbial consortium with plant growth promoting traits	DST-SERB-CRG	Sharma,S., Dr. (F) Assistant Professor III Amity University Sector 125 Noida - 201 301 Uttar Pradesh	38.06	36
400	Enhancing broad spectrum disease resistance against rice blast by engineering orthologous nonhost resistance genes of arabidopsis in rice	DST-SERB-CRG	Sahu,B.B., Dr. (M) Assistant Professor National Institute of Technology (Rourkela) Sector 1 Rourkela - 769 008 Odisha	38.76	36
401	Evaluating the potential role of ocular bacterial microbiome & the lysophospholipid composition of tears in mitigating Meibomian gland dysfunction in dry eyes	DST-SERB-CRG	Arunasri,K., Dr. (F) Scientist L.V. Prasad Eye Institute Kallm Anji Reddy Campus, Banjara Hills Hyderabad - 500 034 Telangana	33.58	36
402	Evaluation of stage-sepcific modulation of specific miRNAs during zygotic & somatic embryogenesis in coconut & their functional validation	DST-SERB-CRG	Krishna,R.M., Dr. (M) Principal Scientist ICAR-Central Plantation Crops Research Institute Kasaragod - 690 533 Kerala	33.66	36
403	Exploring alternate yeast system, yarrowia lipolytica, for the bioproduction of pharmacologically important triterpene ursolic acid from castor oil	DST-SERB-CRG	Rao,V.D.K., Dr. (M) Senior Scientist CSIR-Central Institute of Medicinal & Aromatic Plants Near Kukrail Picnic Spot Lucknow - 226 015 Uttar Pradesh	39.29	36
404	Exploring auditory perception in house crows using functional magnetic resonance imaging & neuroanatomical techniques	DST-SERB-CRG	Iyengar,S., Prof. (F) National Brain Research Centre NH-8, Manesar Gurgaon - 122 051 Haryana	58.29	36
405	Exploring the mechanism of arsenic-induced neuro-inflammation & its effect on adult hippocampal neurogenesis: Possible protection by folic acid supplementation	DST-SERB-CRG	Chattopadhyay,S., Dr. (F) Assistant Professor Calcutta University Rajabazar Science College, 92, Achaarya Prafulla Chandra Road Kolkata - 700 009 West Bengal	48.38	36
406	Exploring the resistance potential of pseudo R-genes to evoke fungal resistance in Vitis vinifera (Grapevine)	DST-SERB-CRG	Singh,K., Dr. (M) Associate Professor Panjab University Sector 14 Chandigarh - 160 014 Chandigarh	58.47	36
407	Expression of artificial microRNAs targeting the replicase gene for conferring resistance against peanut bud Necrosis virus in tomato	DST-SERB-CRG	Sankarasubramanian,H., Dr. (M) Assistant Professor Tamil Nadu Agricultural University Lawley Road, Pappanaicken Pudur Coimbatore - 641 003 Tamil Nadu	36.43	36
408	Fate of sweet reward: Effect of water stress on extra floral nectary volatile composition & its ecological consequences in Gossypium hirsutum L.	DST-SERB-CRG	Mitra,S.S., Dr. (F) Assistant Professor Savitribai Phule Pune University Ganeshkhind Pune - 411 007 Maharashtra	35.24	36
409	Functional characterization of Crispr-Cas system & mechanism of its regulation in the cyanobacterium synechocystis Sp. Pcc 6803	DST-SERB-CRG	Jogadheni,S.S., Dr. (M) Professor Hyderabad University Hyderabad - 500 046 Telangana	48.44	36
410	Functional characterization of human multimerin1 (in-vitro & in-vivo) & identification of its inhibitors as potential therapeutic target/s in ovarian cancer	DST-SERB-CRG	Yadav,S., Prof. (F) All India Institute of Medical Sciences Ansari Nagar New Delhi - 110 029 Delhi	53.99	36
411	Functional characterization of Linker polypeptides (Lcm) & deciphering roles in photostability of light harvesting complex & energy mediated state transition in cyanobacteria	DST-SERB-CRG	Kannaujya,V.K., Dr. (M) Assistant Professor Banaras Hindu University Pandit Madan Mohan Malviya Road Varanasi - 221 005 Uttar Pradesh	30.87	36

BROAD SUBJECT AREA : BIOLOGICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
412	Functional evaluation of mitochondrial genome encoded miRNAs in breast cancer	DST-SERB-CRG	Chakrabarty,S., Dr. (M) Assistant Professor Manipal University Manipal Academy of Higher Education Manipal - 576 104 Karnataka	33.26	36
413	Functional similarities between the aged brain & neurodegenerative disorders: Exploring roles for genes implicated in progressive myoclonus Epilepsies in normal brain aging	DST-SERB-CRG	Ganesh,S., Prof. (M) Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	73.37	36
414	Functional unerstanding of the cytotoxicity exhibited by a signaline relevant toxic mutant of Dhnik1, a fungal hybrid histidine kinase for developing novel antifungal drug	DST-SERB-CRG	Mondal,A.K., Prof. (M) Jawaharlal Nehru University New Mehrauli Road New Delhi - 110 067 Delhi	42.93	36
415	Gene editing for generating tissue specific complete knock down/out of myostating gene for increased lean meat production in Indian goat (Capra hircus, Osmanabadi breed) Phase 1	DST-SERB-CRG	Ganguli,N., Dr. (M) Scientist C National Institute of Animal Biotechnology Q City Road, Gachibowli Hyderabad - 500 032 Telangana	51.32	36
416	Genome editing of stay-green gene to enhance carotenoid content in tomato fruits	DST-SERB-CRG	Yellamaraju,S., Dr. (F) Assistant Professor Hyderabad University Hyderabad - 500 046 Telangana	44.12	36
417	Genome-wide association mapping of charcoal rot resistance in Soybean (Glycine max L.)	DST-SERB-CRG	Nataraj,V., Dr. (M) Scientist ICAR-Indian Institute of Soybean Research Khandwa Road, Simrol Indore - 452 001 Madhya Pradesh	27.55	36
418	Genome-wide identification & molecular characterization of root colonization fitness genes in epiphytic & endophytic plant growth promoting fluorescent pseudomonas strains	DST-SERB-CRG	Rajendhran,J., Dr. (M) Assistant Professor Madurai Kamaraj University Palkalai Nagar Madurai - 625 021 Tamil Nadu	38.17	36
419	Green synthesis & characterization of reduced graphene oxide for fabrication of highly sensitive biosensor for detection of plant nutrient stress	DST-SERB-CRG	Kundu,M., Dr. (F) Scientist ICAR-Indian Agricultural Research Institute Pusa New Delhi - 110 012 Delhi	33.41	36
420	High resolution mapping & development of root-knot nematode resistant rootstocks in peach	DST-SERB-CRG	Thakur,A., Dr. (M) Associate Professor Punjab Agricultural University Ferozepur Road Ludhiana - 141 004 Punjab	40.14	36
421	High through put approach to discover of novel salt tolerant genes from wild halophytic species Oryza coarctata	DST-SERB-CRG	Mondal,T.K., Dr. (M) Principal Scientist ICAR-National Institute for Plant Biotechnology Pusa Campus New Delhi - 110 012 Delhi	42.59	36
422	Host-shift analysis of mono & bipartite Begomoviruses in economically important crops	DST-SERB-CRG	Ansar,M., Dr. (M) Assistant Professor Bihar Agricultural University Sabour Bhagalpur - 813 210 Bihar	40.38	36
423	Identification & characterization of a novel cell adhesion mechanism mediated by direct interaction between E-Cadherin & nectins	DST-SERB-CRG	Samanta,D., Dr. (M) Assistant Professor Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	44.05	36
424	Identification & characterization of a novel protein from Leishmania Donovanii with potential implication in cell death pathways	DST-SERB-CRG	Gupta,S.S., Dr. (M) Assistant Professor Ahmedabad University Aes Bungalow #2, Navrangpura Ahmedabad - 380 009 Gujarat	44.29	36

## BROAD SUBJECT AREA : BIOLOGICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
425	Identification & functional characterization of the key resistance/susceptible determinants for sclerotinia stem rot disease in oilseed Brassica	DST-SERB-CRG	Gupta,N.C., Dr. (M) Scientist (SS) ICAR-National Institute for Plant Biotechnology Pusa Campus New Delhi - 110 012 Delhi	32.00	36
426	Identification of a novel function of cardiogenic transcription factor, Tbx20 as an Er-stress responsive gene in adult cardiac protection in vivo	DST-SERB-CRG	Sengupta,A., Dr. (F) Assistant Professor Jadavpur University 188, Raja S.C. Mullick Road, Jadavpur Kolkata - 700 032 West Bengal	55.03	36
427	Identification of key microna - target modules & genes involved in the determination of grain weight & micronutrient content in Sorghum bicolor using small RNA & transcriptome profiling	DST-SERB-CRG	Dhaka,N., Dr. (F) Assistant Professor Central University of Haryana Jant-Pali Mahendragarh - 123 031 Haryana	33.74	36
428	Identification, distribution, density & habitat analysis of Eutyphoeus (Michaelsen, 1900) earthworms (Oligochaeta: Annelida) in northeast India	DST-SERB-CRG	Lalthanzara,H., Dr. (M) Associate Professor Pachhunga University College College Veng Aizawal - 796 001 Mizoram	39.75	36
429	Identify drivers of cooperative breeding in Yellow Billed-Babbler (Turdoides affinis) using molecular & physiological tools	DST-SERB-CRG	Singh,R.P., Dr. (M) Associate Professor Central University of South Bihar Sh-7, Gaya Bela-Panchanpur Road, Karhara, Fatehpur Gaya - 824 236 Bihar	47.43	36
430	Impact of invasive species on native arthropod abundance & diversity across environment & geographic gradients in India	DST-SERB-CRG	Sharma,G.P., Dr. (M) Assistant Professor Delhi University New Delhi - 110 021 Delhi	14.10	36
431	Improvement of micronutrient bioavailability & storability of Mega Basmati rice variety, Pusa Basmati 1121	DST-SERB-CRG	Bollinedi,H., Dr. (F) Scientist ICAR-Indian Agricultural Research Institute Pusa Road New Delhi - 110 012 Delhi	43.78	36
432	In vitro & in vivo investigation of the role of intrinsically disordered regions in the regulation of Hox transcription factor function	DST-SERB-CRG	De,S., Dr. (M) Assistant Professor Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	53.17	36
433	Influence of host plants on the transmission of mosquito-borne diseases & its potential utility for vector control in India	DST-SERB-CRG	Pal,C., Prof. (M) West Bengal State University Barasant College, Annexe Building, 10, KNS Road Kolkata - 700 126 West Bengal	39.15	36
434	Introgression of blight & blast resistance genes in salt tolerant basmati Csr30 rice variety through Marker assisted backcross breeding (Mabb)	DST-SERB-CRG	Krishnamurthy,S.L., Dr. (M) Scientist ICAR-Central Soil Salinity Research Institute Zarifa Farm, Kachhwa Road Karnal - 132 001 Haryana	40.18	36
435	Invasion biology of Ageratina adenophora & solutions for restoring ecosystem processes in Kumaun Himalaya, Uttarakhand	DST-SERB-CRG	Bargali,K., Dr. (F) Associate Professor Kumaun University Ayarpatta, Department of Botany Nainital - 263 001 Uttarakhand	46.22	36
436	Investigating gene regulatory networks operating downstream of Osap2/Erf-40 during rice adventitious root development	DST-SERB-CRG	Yadav,S.R., Dr. (M) Assistant Professor Indian Institute of Technology (Roorkee ) Haridwar-Roorkee Highway Roorkee - 247 667 Uttarakhand	53.50	36
437	Investigating gracilaria edulis cultivation by associating growth promoting endobiotic bacteria	DST-SERB-CRG	Kulanthaiyesu,A., Dr. (M) Professor & Head Central University of Kerala Tejaswini Hill, P.O. Periyar Kasaragod - 671 316 Kerala	37.74	36

## BROAD SUBJECT AREA : BIOLOGICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
438	Investigating novel functions of neurod in the developing cortex & spinal cord	DST-SERB-CRG	Sen,J., Prof. (F) Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	54.05	36
439	Investigating novel molecular regulations of primary cilia disassembly by Mitochondrial proteins	DST-SERB-CRG	Majumder,S., Dr. (M) Assistant Professor Presidency University 86/1, College Street Kolkata - 700 073 West Bengal	68.35	36
440	Investigating the role of Bmp signaling, Dpysl3 & Yap Axis for size regulation during embryonic skeletal development	DST-SERB-CRG	Bandyopadhyay,A., Dr. (M) Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	60.10	36
441	Investigating the role of differential adhesion & the actin cytoskeleton in pattern formation & development in hydra vulgaris	DST-SERB-CRG	Uppaluri,S., Dr. (F) Assistant Professor Azim Premji University Pixel Park, B Block, Electronic City, Hosur Road Bengaluru - 560 100 Karnataka	64.05	36
442	Investigating the role of shoot cell type-specific transcription factors in regulation of cytokinin biosynthesis, signalling and homeostasis in Apical meristem of Arabidopsis thaliana	DST-SERB-CRG	Yadav,R.K., Dr. (M) Assistant Professor Indian Institute of Science Education & Research (Mohali) Knowledge City, Sector 81, S.A.S. Nagar Mohali - 140 306 Punjab	43.11	36
443	Investigation of altitudinal adaptation of Trifolium pratense in their natural habitats by proteomic & microbiome analysis	DST-SERB-CRG	John,R., Dr. (F) Sr. Assistant Professor Kashmir University Hazratbal Srinagar - 190 006 Jammu & Kashmir	43.56	36
444	Investigation of enhancement in immunity of Soybean in response to Anthracnose disease after magneto-priming with static magnetic field	DST-SERB-CRG	Verma,S., Dr. (F) Assistant Professor Shri Vaishnav Vidyapeeth Vishwavidyalaya Indore-Ujjain Road Indore - 453 111 Madhya Pradesh	26.07	36
445	Investigation of function of kinetochore on 3d organization & condensation of chromosomes during mitosis & meiosis using budding yeast as a model system	DST-SERB-CRG	Ghosh,S.K., Dr. (M) Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	69.32	36
446	Investigation of mechanism of regulation & novel molecular function of fission yeast sirtuin Hst4 in DNA replication stress response pathway	DST-SERB-CRG	Haldar,D., Dr. (F) Staff Scientist VI & Head Centre for DNA Fingerprinting & Diagnostics (CDFD) Laboratory of Chromatin Biology & Epigenetics, Inner Ring Road, Uppal Hyderabad - 500 039 Telangana	53.61	36
447	Investigations into the estrogen receptor modulatory activities of Karanjin; A furanoflavonol from Pongamia pinnata	DST-SERB-CRG	Limaye,A.M., Dr. (M) Associate Professor Indian Institute of Technology (Guwahati) Surjyamukhi Road, North Amingaon Guwahati - 781 039 Assam	27.09	24
448	Landscape-scale assessment of habitat, population & genetic structure of Hispid hare caprolagus hispidus in the highly fragmented terai grassland of India	DST-SERB-CRG	Dutta,S., Mr. (M) Scientist D Wildlife Institute of India Chandrabani Dehradun - 248 001 Uttarakhand	33.17	36
449	Mapping genomic regions associated with bacterial leaf blight resistance derived from Oryza glaberrima	DST-SERB-CRG	Gireesh,C., Dr. (M) Senior Scientist ICAR-Indian Institute of Rice Research Rajendranagar Hyderabad - 500 030 Telangana	39.13	36
450	Marker assisted breeding for inceasing Oleic acid content in Groundnut (Arachis hypogaea L.)	DST-SERB-CRG	Shanmughavel,S., Dr. (M) Assistant Professor Agricultural College & Research Institute Killikulam, Vallanadu Thoothukkudi - 628 252 Tamil Nadu	40.87	36

## BROAD SUBJECT AREA : BIOLOGICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
451	Marker assisted pyramiding of Bph resistant genes into "Telangana Sona", a popular rice variety of Telangana using candidate gene & Ssr based markers	DST-SERB-CRG	Satturu,V., Dr. (F) Professor Prof. Jayashankar Telangana State Agricultural University Rajendranagar Hyderabad - 500 030 Telangana	52.87	36
452	Marker assisted stacking of genes associated with seed quality & Aphid resistance in high yielding mustard cultivars	DST-SERB-CRG	Kaur,G., Dr. (F) Senior Scientist Punjab Agricultural University Department of Oilseeds, Ferozpur Road Ludhiana - 141 027 Punjab	29.92	36
453	Marker-assisted introgression of genes associated with yield enhancement & resistance against bacterial blight & blast diseases into an elite rice variety 'Jaya'	DST-SERB-CRG	Fiyaz,A., Dr. (M) Scientist ICAR-Indian Institute of Rice Research Rajendranagar Hyderabad - 500 030 Telangana	36.96	36
454	Mechanism of seasonal phenotypic plasticity in latitudinal Songbird migrants	DST-SERB-CRG	Rani,S., Prof. (F) Lucknow University Babunanj, Hasanganj Lucknow - 226 025 Uttar Pradesh	53.78	36
455	Mechanistic understanding of bacterial cytoskeleton inhibition by antibiotics & novel bacteriophage proteins	DST-SERB-CRG	Govindarajan,S., Dr. (M) Assistant Professor S.R.M. Institute of Sciences & Technology Mangalagiri Neerukonda Tadikonda Road Guntur - 522 502 Andhra Pradesh	51.81	36
456	Microfluidic confinement of bacteria: Implications in behaviour & antibiotic tolerance	DST-SERB-CRG	Mampallil,D., Dr. (M) Assistant Professor Indian Institute of Science Education & Research (Tirupati) Karakambadi Road, Rami Reddy Nagar, Mangalam Tirupati - 517 507 Andhra Pradesh	56.13	36
457	MicroRNA nanotherapeutics for Glioblastoma	DST-SERB-CRG	Kulshreshtha,R., Dr. (F) Associate Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	62.73	36
458	Mining Non-host resistance (Nhr) genes for engineering alternaria blight resistance in Indian Mustard (Brassica juncea)	DST-SERB-CRG	Sivasubramanian,R., Dr. (M) Faculty National Agri-Food Biotechnology Institute Sector 81, S.A.S. Nagar Mohali - 140 308 Punjab	33.12	36
459	Mitigation of salt stress in Oryza sativa by overexpression of Aba dependent with no Lysine kinase 9	DST-SERB-CRG	Kumar,K., Dr. (M) Associate Professor Birla Institute of Technology & Science (Pilani ) NH 17B, Bypass Road, Sancoale Zuarinagar - 403 726 Goa	35.57	36
460	Molecular & biological characterization of Cypovirus isolated from muga silkworm, antheraea Assamensis helper & understanding mechanism of interaction with silkworm	DST-SERB-CRG	Hepat,R.P., Dr. (M) Assistant Professor II Institute of Advanced Study in Science & Technology Paschim Boagaon, Garchuk Guwahati - 781 035 Assam	37.90	36
461	Molecular dissection & engineering of the mycobacteriophage & its host cell lysis proteins for therapeutic application	DST-SERB-CRG	Jain,V., Dr. (M) Associate Professor Indian Institute of Science Education & Research (Bhopal) Bypass Road, Bhauri Bhopal - 462 066 Madhya Pradesh	61.71	36
462	Molecular genetic dissection of the mechanism by which transformed blood cells influence the larval hematopoietic niche in Drosophila melanogaster	DST-SERB-CRG	Mandal,S., Dr. (M) Associate Professor Indian Institute of Science Education & Research (Mohali) Knowledge City, S.A.S. Nagar, Sector 81 Mohali - 140 306 Punjab	50.84	36

## BROAD SUBJECT AREA : BIOLOGICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
463	Molecular mechanism of Atp-dependent type III restriction-modification enzyme	DST-SERB-CRG	Kayarat,S., Prof. (M) Associate Professor Indian Institute of Science Education & Research (Pune) Dr. Homi Bhabha Road, Pashan Pune - 411 008 Maharashtra	62.27	36
464	Molecular signature dynamics in Aphid stylet-probed vascular Sap & Aphid's salivary gland for the elevated levels of resistance in Brassica & its wild Sp against Liphaphis erysimi	DST-SERB-CRG	Mondal,H.A., Dr. (M) Associate Professor Central Agricultural University Imphal - 795 004 Manipur	61.79	36
465	Molecular systematics, geospatial modelling & conservation of the genus Terminalia L. in India	DST-SERB-CRG	Sreekumar,V.B., Dr. (M) Senior Scientist Kerala Forest Research Institute Peechi Trichur - 680 653 Kerala	32.93	36
466	Molecular taxonomic approach for the development of digital catalogue of the coral reef-biota of Lakshadweep to enable conservation measures	DST-SERB-CRG	Sureshkumar,S., Dr. (M) Professor Kerala University of Fisheries & Ocean Studies Panangad Road, Madavana Junction Kochi - 682 506 Kerala	32.60	36
467	Morphological & molecular assessment of caddisflies (Hydropsychidae: Trichoptera: Insecta) of northwest Himalaya: Towards understanding their phylogenetic relationships	DST-SERB-CRG	Parey,S.H., Dr. (M) Assistant Professor Baba Ghulam Shah Badshah Univrsity Rajouri Camp Office, Bye-Pass Road Jammu - 185 234 Jammu & Kashmir	54.15	36
468	Morpho-molecular characterization & taxonomic investigations of cercosporoid fungi (Mycosphaerellaceae) from Kusumhi forest, Gorakhpur, Uttar Pradesh & assessment of their secondary metabolites for antimicrobial efficacy against the drug resistant ..	DST-SERB-CRG	Singh,R., Dr. (M) Assistant Professor Banaras Hindu University Pandit Madan Mohan Malviya Road Varanasi - 221 005 Uttar Pradesh	47.41	36
469	Multi-omics study on the factors affecting the shelf-life of model nutriceal, Foxtail millet (Setaria italica L.)	DST-SERB-CRG	Prasad,M., Dr. (M) Scientist VII National Institute of Plant Genome Research Aruna Asaf Ali Marg New Delhi - 110 067 Delhi	48.58	36
470	Nano-formulation of plant probiotic, bacillus altitudinis Fd8 & their metabolites for induced drought protection, plant defense & enhanced productivity in rice	DST-SERB-CRG	Uthandi,S., Prof. (M) Tamil Nadu Agricultural University Lawley Road, Pappanaicken, Pudur Coimbatore - 641 003 Tamil Nadu	39.85	36
471	Neuroendocrine regulation of enkephalins, dynorphin & galanin along the reproductive axis in the gecko hemidactylus frenatus	DST-SERB-CRG	Ganesh,C.B., Dr. (M) Professor Karnatak University Mansdagongothi Compose, 14th Cross, 2nd Stage. Gokulam Dharwad - 580 003 Karnataka	28.48	36
472	Non-invasive early sensing of soft rot & dry rot in stored potato tubers by analysis of volatile organic compound emission	DST-SERB-CRG	Sircar,D., Dr. (M) Associate Professor Indian Institute of Technology (Roorkee ) Roorkee-Haridwar Expressway Roorkee - 247 667 Uttarakhand	48.48	36
473	Otulin: A new player in Ubiquitin-proteasome system with deubiquitinating activity in the pathogenesis of vascular inflammation & atherosclerosis	DST-SERB-CRG	Shukla,P.C., Dr. (M) Assistant Professor Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	48.25	36
474	Parasitic wasps of families encyrtidae & mymaridae (Hymenoptera: Chalcidoidea) & their utilization in management of sucking insect pests on agricultural & horticultural crops of northeast India	DST-SERB-CRG	Anandhan,R., Dr. (M) Scientist C Zoological Survey of India Prani Vigyan Bhawan, Block M, New Alipore Kolkata - 700 053 West Bengal	32.70	36



## BROAD SUBJECT AREA : BIOLOGICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
475	Patho-epidemiology of elephant endotheliotropic Herpesvirus infections affecting Asian elephants ( <i>Elephas maximus</i> ) in India	DST-SERB-CRG	Mathesh,K., Dr. (M) Scientist ICAR-Indian Veterinary Research Institute Izatnagar Bareilly - 222 001 Uttar Pradesh	43.42	36
476	Piezo-Klf2 axis in endothelial dysfunction & venous wall remodelling in Varicose veins	DST-SERB-CRG	Sumi,S., Dr. (F) Scientist Rajiv Gandhi Centre for Biotechnology Melarannor Road, Poojapura, Thycaud Thiruvananthapuram - 695 014 Kerala	50.44	36
477	Predicting the developmental toxicity of fungicides by physiologically based toxicokinetic modelling - facilitated reverse dosimetry using zebrafish embryo model as an alternative to animal-free risk assessment approach	DST-SERB-CRG	Singh,S.P., Dr. (M) Scientist CSIR-Indian Institute of Toxicology Research Mahatma Gandhi Marg, Post Box No. 80 Lucknow - 226 001 Uttar Pradesh	46.98	36
478	Profiling of beneficial rhizobacteria-induced epigenetic response & genome stability in plants	DST-SERB-CRG	Shah,J.M., Dr. (F) Assistant Professor Central University of Kerala P.O. Tejaswini Hills, Periyar Kasaragod - 671 316 Kerala	56.95	36
479	Prospecting imino sugars from tubers of Kerala: Identification, isolation, characterization & their role in glycemic control & antiinfection	DST-SERB-CRG	Reshma,M.V., Dr. (F) Principal Scientist CSIR-National Institute for Interdisciplinary Science & Technology P.O. Industrial Estate, Pappanamcode Thiruvananthapuram - 695 019 Kerala	44.39	36
480	Proteomic identification & functional analysis of stress-induced cytoskeletal sumo substrates	DST-SERB-CRG	Mishra,R.K., Dr. (M) Associate Professor Indian Institute of Science Education & Research (Bhopal) Indore By-pass Road, Bhauri Bhopal - 462 066 Madhya Pradesh	61.16	36
481	Redox-mediated retrograde signaling from chloroplast to nucleus: Understanding the role of various molecules/processes of plant cell	DST-SERB-CRG	Tripathi,B.N., Prof. (M) Indira Gandhi National Tribal University Kapil Dhara Road, Mekal Sadan, District Anuppur Amarkantak - 484 886 Madhya Pradesh	52.55	36
482	Research & conservation: Monitoring Apis Dorsata colonies in the metropolitan area of Bangalore, India	DST-SERB-CRG	Brockmann,A., Dr. (M) Reader F National Centre for Biological Sciences Tata Institute of Fundamental Research, GKVK, Bellary Road Bengaluru - 560 065 Karnataka	34.23	36
483	Revealing the mechanisms of Ldl2 & Pao5 mediated infection memory development in Arabidopsis Thaliana	DST-SERB-CRG	Nandi,A.K., Prof. (M) Jawaharlal Nehru University New Mehrauli Road New Delhi - 110 067 Delhi	51.55	36
484	Revisiting the taxonomy of the wild relatives of Sarsaparilla ( <i>Smilax L.</i> ) in India, developing super-barcodes & understanding their diversification using phylogeomic tools	DST-SERB-CRG	Choudhary,R.K., Dr. (M) Scientist D Agharkar Research Institute Gopal Ganesh Agarkar Road Pune - 411 016 Maharashtra	36.49	36
485	Role of actomyosin complex in endocytosis & endocytic trafficking	DST-SERB-CRG	Jana,S.S., Prof. (M) Indian Association for the Cultivation of Science 2a & 2b, Raja S.C. Mullick Road Kolkata - 700 032 West Bengal	43.87	36
486	Role of chromatin remodelling in the regulation of Cocaine & amphetamine-regulated transcript peptide (Carp) during reward & reinforcement	DST-SERB-CRG	Kokare,D.M., Dr. (M) Associate Professor Rashtrasant Tukadoji Maharaj Nagpur University Civil Lines Nagpur - 440 033 Maharashtra	75.33	36

## BROAD SUBJECT AREA : BIOLOGICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
487	Role of non-photochemical quenching during acclimation to osmotic stress in <i>Chlamydomonas reinhardtii</i>	DST-SERB-CRG	Rajagopal,S., Prof. (M) Hyderabad University Hyderabad - 500 046 Telangana	31.57	36
488	Role of trigger factor in caseinolytic protease system of leptospira	DST-SERB-CRG	Kumar,M., Dr. (M) Associate Professor Indian Institute of Technology (Guwahati) Surjyamukhi Road, North Amongaon Guwahati - 781 039 Assam	56.25	36
489	Roles for rice transcription factors Oset1, Oset2 & Osspt in carpel development & floret fertility	DST-SERB-CRG	Vijayraghavan,U., Prof. (F) Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	58.72	36
490	Seasonal diversity & distribution of gelatinous zooplankton & its ecological & economic implications in the marine ecosystem of northern Bay of Bengal	DST-SERB-CRG	Purushothaman,J., Dr. (F) Scientist D Zoological Survey of India Prani Vigyan Bhawan, Block M, New Alipore Kolkata - 700 053 West Bengal	34.53	36
491	Smart prediction of Ir based detection of residual cancer (Spidr)	DST-SERB-CRG	Sarkar,S., Dr. (M) Resident Medical Officer College of Medicine & Sagore Dutta Hospital 578, B.T. Road, Kamarhati Kolkata - 700 058 West Bengal	49.04	36
492	Soil microbial processes & mechanism of greenhouse gas emission (Ch4) under various vegetations from intertidal zone of coastal area	DST-SERB-CRG	Chaudhary,D.R., Dr. (M) Principal Scientist CSIR-Central Salt & Marine Chemicals Research Institute Gijubhai Badheka Marg Bhavnagar - 364 002 Gujarat	27.65	36
493	Splicing, chromatin & somatic hypermutation of immunoglobulin genes	DST-SERB-CRG	Kodgire,P., Dr. (M) Associate Professor Indian Institute of Technology (Indore) Khandwa Road, Simrol Indore - 453 552 Madhya Pradesh	56.85	37
494	Sponge water program for microplastics	DST-SERB-CRG	Olsson,S.B., Prof. (F) Associate Professor National Centre for Biological Sciences Tata Institute of Fundamental Research, Bellary Road Bengaluru - 560 065 Karnataka	53.48	36
495	Stem reserve mobilization & staygreen traits for yield stability in wheat under combined heat & drought stress	DST-SERB-CRG	Arora,A., Dr. (M) Principal Scientist ICAR-Indian Agricultural Research Institute Pusa Road New Delhi - 110 012 Delhi	42.15	36
496	Structural & functional characterization of two-component Nhej DNA repair system of <i>Mycobacterium Tuberculosis</i>	DST-SERB-CRG	Das,A.K., Prof. (M) Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	51.92	36
497	Structural & functional studies on signalling system associated with bacitracin sensing & resistance in multi-drug resistant <i>staphylococcus aureus</i>	DST-SERB-CRG	Srivastava,S.K., Dr. (M) Associate Professor Manipal University Vatika Infotech City, Jaipur-Ajmer Expressway, Post Thikaria Jaipur - 303 007 Rajasthan	54.40	36
498	Structural determinants & cellular mechanisms of biomolecular condensation in disease associated proteins	DST-SERB-CRG	Gurrula,J.R., Dr. (M) Scientist CSIR-Indian Institute of Chemical Technology Uppal Road, Tarnaka Hyderabad - 500 007 Telangana	37.66	36
499	Structural investigations of Gluk2 & Gluk3 kainate receptors in lipidic environment	DST-SERB-CRG	Kumar,J., Dr. (M) Scientist E National Centre for Cell Sciences Pune University Campus, Ganeshkind Pune - 411 007 Maharashtra	56.25	36

## BROAD SUBJECT AREA : BIOLOGICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
500	Structure & biochemical characterization of plant Slx1, a novel structure-specific endonuclease involved on DNA repair & recombination	DST-SERB-CRG	Gaur,V., Dr. (M) Fellow National Institute of Plant Genome Research Aruna Asaf Ali Marg New Delhi - 110 067 Delhi	41.67	36
501	Structure based design & evaluation of inhibitors against phosphodiesterases for enhancing sperm motility & early embryo development & to reduce gamete & embryo toxicity	DST-SERB-CRG	Eerappa,R., Dr. (M) Associate Professor Indian Institute of Technology (Hyderabad) Kandi Village Sangareddy - 502 285 Telangana	62.60	36
502	Structuring of plant-pollinator interactions in a semi-arid community: Underlying ecological mechanisms	DST-SERB-CRG	Shivani, Dr. (F) Assistant Professor Ashoka University Plot No. 2, Rajiv City Education City, Post Office Rai Sonepat - 131 029 Haryana	31.54	36
503	Studies on R-phycoerythrin content in various red seaweeds available in the west & south east coast of India with an eye to develop a sustainable method to extract the pigment following a bio refinery route	DST-SERB-CRG	Prasad,K., Dr. (M) Sr. Principal Scientist CSIR-Central Salt & Marine Chemicals Research Institute Gijubhai Badheka Marg Bhavnagar - 364 002 Gujarat	25.31	36
504	Study of neuronal regeneration after injury using <i>Caenorhabditis elegans</i>	DST-SERB-CRG	Ghoshroy,A., Dr. (M) Scientist V National Brain Research Centre NH-8, Manesar Gurgaon - 122 051 Haryana	50.72	36
505	Study of physiological & molecular basis of ammonia volatilization losses from rice canopy & its relationship with nitrogen use efficiency under changing climate	DST-SERB-CRG	Pandey,R., Dr. (F) Principal Scientist ICAR-Indian Agricultural Research Institute Pusa New Delhi - 110 012 Delhi	29.84	36
506	Systematic studies on shoot files of atherigoninae (Muscidae: Diptera) from India	DST-SERB-CRG	Ganiger,P.C., Dr. (M) Assistant Professor Agricultural Sciences University GKVK Campus, New Airport Road Bengaluru - 560 065 Karnataka	42.00	36
507	Systems approach to dissect the novel O-Acyltransferase role in tag biogenesis towards the promising fourth generation bioenergy feedstock	DST-SERB-CRG	Srinivasan,B., Dr. (M) Assistant Professor Bharathidasan University Mathur, Mandaiyur Tiruchirappalli - 620 024 Tamil Nadu	48.52	36
508	Taxonomy, molecular phylogeny & biogeography of <i>Lepidagathis willd</i> (Acanthaceae) in India	DST-SERB-CRG	Gunadayalan,G., Dr. (M) Assistant Professor Madras Christian College Tambaram Chennai - 600 059 Tamil Nadu	32.51	36
509	Tissue-specific suppression of susceptibility genes for wilt disease resistance in eggplant	DST-SERB-CRG	Singh,D., Dr. (F) Assistant Professor Gautam Buddha University District Gautam Budh Nagar Greater Noida - 201 308 Uttar Pradesh	44.74	36
510	To decipher the role of Ermes complex in organelle cross talk & drug resistance in the fungal pathogen <i>cryptococcus neoformans</i>	DST-SERB-CRG	Pasrija,R., Dr. (F) Assistant Professor Maharshi Dayanand University Rohtak - 124 001 Haryana	50.13	36
511	To delineate domain-specific functions of Histone deacetylase 6 (Hda6) in gene regulation & genomic instability and-to develop a novel-non-transgenic epigenetic mutagenesis tool for plant improvement via Hdac modulation	DST-SERB-CRG	Mohannath,G.T., Dr. (M) Assistant Professor Birla Institute of Technology & Science (Pilani ) Shamirpet-Keesara Road, Jawahar Nagar, Shameerpet Hyderabad - 500 078 Telangana	42.39	36

BROAD SUBJECT AREA : BIOLOGICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
512	To delineate the role of pich, an Atp-dependent chromatin remodeler, in modulating transcription during oxidative stress	DST-SERB-CRG	Muthuswami,R., Dr. (F) Associate Professor Jawaharlal Nehru University New Mehrauli Road New Delhi - 110 067 Delhi	68.04	36
513	To study effects of 4-Octyl itaconate in different models of cardiac fibrosis & to assess its role in Nlrp3 inflammasome pathway	DST-SERB-CRG	Bhatia,J., Dr. (F) Professor All India Institute of Medical Sciences Ansari Nagar New Delhi - 110 029 Delhi	27.31	36
514	To uncover the molecular mechanisms of nucleoporin Nup93 & its crosstalk with the genome organizer Ctf in the Spatiotemporal organization of the genome	DST-SERB-CRG	Sengupta,K., Dr. (M) Associate Professor Indian Institute of Science Education & Research (Pune) Dr. Homi Bhabha Road, Pashan Pune - 411 008 Maharashtra	51.20	36
515	To understand the immunosuppressive activity of secretory Pd-L1 & its regulation by F-Box proteins to develop potent immunotherapeutic leads for cancer	DST-SERB-CRG	Santra,M.K., Dr. (M) Scientist E National Centre for Cell Sciences Ganeshkhind Pune - 411 007 Maharashtra	60.29	36
516	Towards the development of monitoring & forewarning system for late blight disease of potato by integrating epidemiological, proximal & remotely sensed data	DST-SERB-CRG	Jain,S., Dr. (M) Assistant Professor Punjab Agricultural University Department of Plant Pathology, Ferozpur Road Ludhiana - 141 027 Punjab	25.29	36
517	Tropical ecosystem vulnerability to the changing climate: An ecophysiological study from forests of southern western ghats	DST-SERB-CRG	Ashtamoorthy,S.K., Dr. (M) Scientist Kerala Forest Research Institute Peechi Trichur - 680 652 Kerala	29.15	36
518	Uncovering the mirnaome signature underlying axillary meristem outgrowth (Tillering) in Indica rice	DST-SERB-CRG	Sarkar,A.K., Prof. (M) Jawaharlal Nehru University New Mehrauli Road New Delhi - 110 067 Delhi	39.80	36
519	Understandig the role of novel Adf domain containing proteins in the phagocytic cup formation of E. Histolytica	DST-SERB-CRG	Gourinath,S., Prof. (M) Jawaharlal Nehru University New Mehrauli Road New Delhi - 110 067 Delhi	59.93	36
520	Understanding genetic & molecular intricacies of high ambient temperature - regulated leaf size	DST-SERB-CRG	Ranjan,A., Dr. (M) Staff Scientist National Institute of Plant Genome Research Aruna Asaf Ali Marg New Delhi - 110 067 Delhi	39.77	36
521	Understanding role of cholesterol homeostasis on signaling in cellular senescence - implication on development of healthy aging therapies	DST-SERB-CRG	Saini,D.K., Prof. (M) Associate Professor Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	67.78	36
522	Understanding the feed-forward & feedback mechanism in the regulation of mitochondrial size under physiological & stress conditions	DST-SERB-CRG	Jaiswal,M., Dr. (M) Reader Tata Institute of Fundamental Research TIFR Centre for Interdisciplinary Sciences, 21, Brundavan Colony, Narsingi Hyderabad - 502 248 Telangana	53.50	36
523	Understanding the interplay between mitochondrial Nad+consumers Sarm1 & Sirt3 in oxphos regulation during hypoxic cell death	DST-SERB-CRG	Piyalimukherjee, Dr. (F) Assistant Professor & Coordinator Presidency University 86/1, College Street Kolkata - 700 007 West Bengal	65.60	36

## BROAD SUBJECT AREA : BIOLOGICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
524	Understanding the mechanism of altered cell signaling due to differential activation of Zeta-chain-associated protein tyrosine kinase, Zap-70, in T-cells	DST-SERB-CRG	Das,R., Dr. (M) Assistant Professor Indian Institute of Science Education & Research (Kolkata) Mohanpur - 741 246 West Bengal	44.77	36
525	Understanding the mechanism of Hbx mediated manipulation of Foxm1 in hepatocellular carcinoma	DST-SERB-CRG	Nag,A., Prof. (F) Delhi University New Delhi - 110 021 Delhi	62.84	36
526	Understanding the potential of protein disulfide isomerase modulation of antithrombin in controlling coagulation & thrombosis	DST-SERB-CRG	Jairajpuri,M.A., Prof. (M) Jamia Millia Islamia Jamia Nagar New Delhi - 110 025 Delhi	47.52	36
527	Understanding the regulation of kinetochore protein phosphorylation for the activation of spindle assembly check-point	DST-SERB-CRG	Manna,T.K., Dr. (M) Indian Institute of Science Education & Research (Trivandrum) Computer Science Building Thiruvananthapuram - 695 551 Kerala	61.28	36
528	Understanding the relationship between cell size & storage lipid metabolism in yeast: Role of phosphorylation	DST-SERB-CRG	Rajasekharan,R.R., Prof. (M) Central University of Tamil Nadu C/o Collectorate Annexe Tiruvarur - 610 005 Tamil Nadu	66.19	36
529	Understanding the role of homologues recombination in replication & repair of the mitochondrial genome of human Malaria parasite plasmodium falciparum	DST-SERB-CRG	Bhattacharyya,M.K., Dr. (M) Professor Hyderabad University Hyderabad - 500 046 Telangana	59.42	36
530	Understanding the role of sponge-coral-microbe interactions on reef ecosystem	DST-SERB-CRG	Krishnamurthi,S., Dr. (M) Scientist CSIR-Institute of Microbial Technology Sector 39A Chandigarh - 160 036 Chandigarh	29.92	36
531	Unraveling the (Dep) in cotton genotypes with contrasting resistance to leafhopper & development of the protein biomarkers/functional markers for leafhopper resistance	DST-SERB-CRG	Alagarsamy,M., Dr. (M) Scientist ICAR-Central Institute for Cotton Research Regional Station, Maruthamalai Road Coimbatore - 641 003 Tamil Nadu	26.14	36
532	Unraveling the genetic components underlying resistance against phytopathogenic fungus Alternaria brassicae	DST-SERB-CRG	Kaur,J., Dr. (F) Assistant Professor Delhi University Delhi - 110 007 Delhi	41.24	36
533	Unravelling chromatin dynamics & epigenomic features to understand novel regulatory aspects of drought stress response in rice	DST-SERB-CRG	Jain,M., Prof. (M) Jawaharlal Nehru University New Mehrauli Road New Delhi - 110 067 Delhi	50.09	36
534	Unravelling the symbiosis of Algal & Fungal partners in lichen family graphidaceae & parmeliaceae from the western ghats through polyphasic taxonomic approach & ecological studies	DST-SERB-CRG	Kumar,R.K.C., Dr. (M) Scientist D Agharkar Research Institute Gopal Ganesh Agarkar Road Pune - 411 016 Maharashtra	29.84	36
535	Aquacultural wastewater management through integrated biofloc technology & recirculating aquaculture system for reuse in Indian major carp culture	DST-SERB-EMEQ	Mahanand,S.S., Dr. (M) Assistant Professor College of Fisheries Lembucherra Agartala - 799 001 Tripura	33.84	36
536	Bioprospecting of abiotic stress tolerance genes in grasses	DST-SERB-EMEQ	Shashikumara,P., Dr. (M) Scientist ICAR-Indian Grassland & Fodder Research Institute Gwalior Road, Near Pahuj Dam Jhansi - 284 003 Uttar Pradesh	40.23	36

BROAD SUBJECT AREA : BIOLOGICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
537	Dalbergin loaded plga-galactose nanoparticles to produce site specific drug delivery for the treatment of hepatic cancer & investigating its anticancer molecular mechanistic	DST-SERB-EMEQ	Saha,S., Dr. (M) Assistant Professor Babasaheb Bhimrao Ambedkar University Vidya Vihar, Raebareli Road Lucknow - 226 002 Uttar Pradesh	51.52	36
538	Deciphering the epigenetic mechanism of Egrf mediated Trim 24 recruitment in Cancer progression	DST-SERB-EMEQ	Sudhamalla,B., Dr. (M) Assistant Professor Indian Institute of Science Education & Research (Kolkata) Mohanpur - 741 252 West Bengal	41.15	36
539	Detection of host origin alkaloids & their biosynthetic genes in endophytic fungi of Catharanthus Roseus	DST-SERB-EMEQ	Gond,S.K., Dr. (M) Assistant Professor Banaras Hindu University Pandit Madan Mohan Malaviya Road Varanasi - 221 005 Uttar Pradesh	32.75	36
540	Development of amylopectin lysine & tryptophan enriched maize hybrid & molecular tagging of genomic regions associated with high kernel starch in maize	DST-SERB-EMEQ	Das,A.K., Dr. (M) Scientist ICAR-Indian Institute of Maize Research Old Cotton Research Building Ludhiana - 141 004 Punjab	42.85	36
541	Development of blast & bacterial blight resistant fine grain rice varieties through marker assisted pyramiding of multiple genes	DST-SERB-EMEQ	Lavuri,K., Dr. (M) Senior Scientist Prof. Jayashankar Telangana State Agricultural University Rajendranagar Hyderabad - 500 030 Telangana	39.19	36
542	Development of phyto-immunobiotic for reduction of bovine intra-mammary infections: Comparative studies on bioactive compounds & whole extract effects	DST-SERB-EMEQ	Manimaran,A., Dr. (M) Scientist ICAR-National Dairy Research Institute Southern Regional Station, Adugodi Bengaluru - 560 030 Karnataka	46.20	36
543	Development of process for simultaneous laccase production by hexagonia hirta Msf2 using coconut industry wastes & recovery of biochemicals	DST-SERB-EMEQ	Uthandi,S., Prof. (M) Tamil Nadu Agricultural University Lawley Road, Pappanaicken Pudur Coimbatore - 641 003 Tamil Nadu	29.26	36
544	Epitranscriptional regulation of phospholipid metabolism in yeast cells	DST-SERB-EMEQ	Rajasekharan,R.R., Prof. (M) Central University of Tamil Nadu C/o Collectorate Annexe Tiruvarur - 610 005 Tamil Nadu	51.32	36
545	Genome wide analysis of histone-3 Lysine 27 trimethylation & functional validation of gene expression in response to heavy metal stress	DST-SERB-EMEQ	Kanade,S.R., Dr. (M) Associate Professor Hyderabad University Hyderabad - 500 046 Telangana	44.11	36
546	Herbarium derived DNA barcode library of gymnosperms & phylogenomics of selected gymnosperms of Ne India	DST-SERB-EMEQ	Biate,D.L., Dr. (M) Scientist C Botanical Survey of India Eastern Regional Centre Shillong - 793 003 Meghalaya	39.99	36
547	Implementation of stubble waste to industrially important enzymes & bioplastic production	DST-SERB-EMEQ	Kataria,R., Dr. (F) Assistant Professor Delhi Technological University Bawana Auchandi Road, Shahabad Daulatpur, Rohini New Delhi - 110 042 Delhi	53.24	36
548	Influence of processing on the biochemical & nutraceutical properties of selected indigenous fruits of northeast India	DST-SERB-EMEQ	Assumi,S.R., Dr. (F) Scientist ICAR-Research Complex for NEH Region Umroi Road Umiam - 793 103 Meghalaya	40.25	36
549	Insight into putative insulinase Pf11_0189 & its correlation with hyperglycemia during severe Malaria	DST-SERB-EMEQ	Lhouvum,K., Dr. (M) Assistant Professor National Institute of Technology (Arunachal Pradesh) Yupia Papum Pare - 797 112 Arunachal Pradesh	46.19	36

BROAD SUBJECT AREA : BIOLOGICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
550	Metabolic profiling of known & cryptic compounds of endophytic microbes under modulated conditions & evaluation of their biopotential in metal Nanoparticles (Nps) synthesis	DST-SERB-EMEQ	Kharwar,R.N., Prof. (M) Banaras Hindu University Pandit Madan Mohan Malaviya Road Varanasi - 221 005 Uttar Pradesh	44.75	36
551	Molecular characterization of genes involved in heterocyst differentiation in Nostoc strain	DST-SERB-EMEQ	Harish, Dr. (M) Assistant Professor Mohanlal Sukhadia University Ganeshpura Udaipur - 313 001 Rajasthan	50.51	36
552	Multi-step improvement of enterobacter Sp. Etk3 strain in order to obtain higher ethanol yield from cellulosic fruit waste: Single step for waste to energy	DST-SERB-EMEQ	Sarkar,A., Prof. (F) Assistant Professor National Institute of Technology (Rourkela) Sector 1 Rourkela - 769 008 Odisha	46.43	36
553	Nanoencapsulated eugenol (Ne); its effect on Tau aggregation & related cellular markers of Alzheimer's	DST-SERB-EMEQ	Priyadarshini,P.C., Dr. (F) Senior Scientist CSIR-Central Food Technological Research Institute Cheluvamba Mansion, Devaraja Mohalla, Kajjihundi Mysore - 570 020 Karnataka	37.26	36
554	Niche selection & mesopredator release in high altitude ecosystems	DST-SERB-EMEQ	Lyngdoh,S., Dr. (M) Scientist D Wildlife Institute of India Chandrabani Dehradun - 248 001 Uttarakhand	38.18	36
555	Pathway extension of essential fattyacid biosynthesis in Soybean for high value pufa production by genetic transformation of microalgal genes	DST-SERB-EMEQ	Kathiresan,S., Dr. (M) Associate Professor Central University of Tamil Nadu C/o Collectorate Annexe Tiruvarur - 610 005 Tamil Nadu	46.11	36
556	Quality characterization & utilization of novel oilseeds	DST-SERB-EMEQ	Kaur,A., Dr. (F) Associate Professor Guru Nanak Dev University Grand Trunk Road, Off NH 1 Amritsar - 143 005 Punjab	50.42	36
557	Refocusing natures destroyer of bacteria-phages & their lysins as promising therapy against infections associated with Eskape pathogens	DST-SERB-EMEQ	Gowrishankar,S., Dr. (M) Assistant Professor Alagappa University College Road, Alagappa Puram Karaikudi - 630 003 Tamil Nadu	38.94	36
558	Shoot transcriptome based understanding of molecular mechanism for fusarium wilt resistance in Chickpea	DST-SERB-EMEQ	Bhutia,K.L., Dr. (M) Assistant Professor/Scientist Dr. Rajendra Prasad Central Agricultural University Pusa Samastipur - 848 125 Bihar	45.96	36
559	Status, distribution patterns & habitat modeling of nicobar megapode megapodius nicobarensis blyth, 1846: An impact assessment after fifteen years of the Tsunami 2004	DST-SERB-EMEQ	Sivaperuman,C., Dr. (M) Scientist E Zoological Survey of India 11, Hortoculture Road, Haddo Port Blair - 744 101 Andaman & Nicobar Islands	34.47	36
560	Study the toxic effects of exposure to Bisphenol A & Dibutyl phthalates on renal organ & identification of potential therapeutics for its mitigation by using Drosophila Melanogaster model organism	DST-SERB-EMEQ	Gautam,N.K., Dr. (M) Assistant Professor Sanjay Gandhi P.G. Institute of Medical Sciences Raebareli Road Lucknow - 226 014 Uttar Pradesh	52.60	36
561	Taxonomic characterization & geospatial distribution of the genus cremanthodium benth in Indian Himalaya	DST-SERB-EMEQ	Kumar,V., Dr. (M) Scientist CSIR-Institute of Himalayan Bioresource Technology Post Box No 6 Palampur - 176 061 Himachal Pradesh	36.90	36

## BROAD SUBJECT AREA : BIOLOGICAL SCIENCES

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562	Understanding the role of Eukaryotic like serine, threonine kinases (Estks) of bifidobacteria Spp.	DST-SERB-EMEQ	Kammara,R., Dr. (M) Sr. Principal Scientist & Head CSIR-Central Food Technological Research Institute Department of Protein Chemistry & Technology, Cheluvamba Mansion, Devaraja Mohalla, Kajjihundi Mysore - 570 020 Karnataka	49.52	36
563	Unravelling Habbp-1-Srsf1 dynamics towards tumorigenic & angiogenic potential in Habbp1 overexpressing murine granulosa cell link, Kk-1: Implication towards granulosa cell Tumorigenesis	DST-SERB-EMEQ	Saha,P., Dr. (F) Presidency University 86/1, College Street Kolkata - 700 073 West Bengal	45.79	36
564	An untargeted metabolite profiling of leaves to identify drought associated metabolite markers in field grown wheat	DST-SERB-SRG	Sharma,S., Dr. (M) Assistant Professor Banaras Hindu University Pandit Madan Mohan Malaviya Road Varanasi - 221 005 Uttar Pradesh	29.13	24
565	Automated evaluation by using image processing of linear conformation traits of indigeneous dairy cattle herd	DST-SERB-SRG	Devi,I., Dr. (F) Scientist ICAR-Central Institute for Research on Cattle Grass Farm Road Meerut - 250 001 Uttar Pradesh	17.30	24
566	Bioremediation of endocrine disrupters, 17 B-Estradiol & 17 A-Ethinylestradiol: A soil/waste water microcosm based study	DST-SERB-SRG	Chaturvedi,V., Dr. (M) Assistant Professor Banaras Hindu University Pandit Madan Mohan Malaviya Road Varanasi - 221 005 Uttar Pradesh	27.15	24
567	Calcium homeostasis modulator-1 (Calhm 1) as a therapeutic target for the neurological disorder	DST-SERB-SRG	Singh,A.K., Dr. (M) Assistant Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	28.71	24
568	Characterization of drought stressed Okra (Abelmoschus Esculentus) cultivars to reveal the critical signalling pathways & homestatic maintenance employing grafting techniques & proteomic approach	DST-SERB-SRG	Muneer,S., Dr. (F) Sr. Assistant Professor Vellore Institute of Technology University Tiruvalam Road, Katpadi Vellore - 632 014 Tamil Nadu	29.85	24
569	Characterization of sensitive phenophases, Water use efficiency (Wue) & genetic variability of barnyard millet & proso millet under drought stress	DST-SERB-SRG	Sundaram,S., Dr. (M) Scientist ICAR-Indian Institute of Millets Research Himayat Sagar Road, Rajendra Nagar Hyderabad - 500 030 Telangana	28.92	24
570	Characterization of translation initiation codons dynamics to determine pathogenicity of Candida albicans	DST-SERB-SRG	Thakur,A., Dr. (M) Assistant Professor Regional Centre for Biotechnology 3rd Milestone, Faridabad-Gurgaon Expressway Faridabad - 121 001 Haryana	23.47	24
571	Chemical modulator based microalgal biorefinery for the production of biofuels & bioproducts	DST-SERB-SRG	Pancha,I.Y., Dr. (M) Assistant Professor S.R.M. Institute of Sciences & Technology Mangalagiri Neerukonds Tadikonda Road, Mandal Guntur - 522 502 Andhra Pradesh	25.99	24
572	Deciphering molecular mechanism of action & electron acceptor specificity through structure based functional characterization of Staphylococcal Glutathione peroxidase enzymes	DST-SERB-SRG	Bhattacharyya,S., Dr. (M) Assistant Professor Indian Institute of Technology (Jodhpur) NH 65, Surpura Bypass Road, Karwar Jodhpur - 342 030 Rajasthan	30.78	24
573	Defining the role of orexin B, a novel hypothalamic neuropeptide, in regulation fo spermatogenesis in mouse model	DST-SERB-SRG	Sarkar,D., Dr. (M) Assistant Professor Central University of Punjab D-13, Civil Station Bhatinda - 151 401 Punjab	29.26	24



BROAD SUBJECT AREA : BIOLOGICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
574	Development & validation of high resolution Kasp assay for powdery mildew resistant genes in wheat	DST-SERB-SRG	Vasistha,N.K., Dr. (M) Assistant Professor Eternal University Baru Sahib Sirmour - 173 101 Himachal Pradesh	31.30	24
575	Development of a heavy water-based Raman sensing platform for identification of Colistin-resistant gram negative bacteria	DST-SERB-SRG	Singh,S.P., Dr. (M) Assistant Professor Indian Institute of Technology (Dharwad) Walmi Campus, Belur Industrial Area, P.B.Road Dharwad - 580 011 Karnataka	24.29	24
576	Development of a multiplex lateral flow-based point of care device for rapid detection of Theileria, Babesia & Anaplasma infection in cattle: A new perspective to Multi-antigen print immunoassay (Mapia)	DST-SERB-SRG	Mishra,P.K., Dr. (M) Assistant Professor Banaras Hindu University Pandit Madan Mohan Malaviya Road Varanasi - 221 005 Uttar Pradesh	28.38	24
577	Development of late blight resistance in tomato by targeting the host susceptibility genes using Crispr/Cas system	DST-SERB-SRG	Das,A., Dr. (M) Assistant Professor Presidency University 86/1, College Street Kolkata - 700 073 West Bengal	31.37	24
578	Does exposure to early life malnutrition after the adaptation of digestive enzymes to later-life dietary excesses? An animal model investigation	DST-SERB-SRG	Megha, Dr. (F) Assistant Professor Institute of Trans-Disciplinary Health Sciences & Technology Foundation for Revitalisation of Local Health Traditions, No. 74/2, Jarakabande Kaval, Post Attur Bengaluru - 560 064 Karnataka	31.77	24
579	Does it take two key regulatory genes asymmetric Leaves1 & Revoluta to make a pitcher in Nepenthes Khasiana?	DST-SERB-SRG	Dkhar,J., Dr. (M) Senior Scientist CSIR-Institute of Himalayan Bioresource Technology Post Box No. 6 Palampur - 176 061 Himachal Pradesh	28.21	24
580	Elucidating the role of Superoxide-dismutase (Sod) & other accessory constituents of the mycobacterial respiratory chain supercomplex lii-lv	DST-SERB-SRG	Nitharwal,R.G., Dr. (M) Assistant Professor Central University of Haryana Jant-Pali Mahendragarh - 123 031 Haryana	31.06	24
581	Engineering the oleaginous yeast yarrowia lipolytica to produce limonene from lignocellulosic hydrolysates	DST-SERB-SRG	Soni,S., Dr. (F) Assistant Professor I Amity University Sector 125 Noida - 201 301 Uttar Pradesh	30.50	24
582	Enhancement of calcium bioavailability in finger millet using Crispr/Cas tool	DST-SERB-SRG	Jodder,J., Dr. (F) Assistant Professor Presidency University 86/1, College Street Kolkata - 700 073 West Bengal	28.25	24
583	Evaluation of role of endophytes in mogroside production of Siraitia grosvenorii	DST-SERB-SRG	Pandey,S.S., Dr. (M) Senior Scientist CSIR-Institute of Himalayan Bioresource Technology Post Box No.6 Palampur - 176 061 Himachal Pradesh	26.51	24
584	Exploiting E6-Usp46 deubiquitinase complex, as a novel therapeutic target against Human papilloma virus (Hpv) induced cancers	DST-SERB-SRG	Kiran,S., Dr. (M) Assistant Professor Hyderabad University Hyderabad - 500 046 Telangana	29.76	24
585	Exploration of tea (Camellia sinensis) root associated vesicular-arbuscular mycorrhizal symbiosis to enhance leaf phytochemicals: A metabolomics-based approach	DST-SERB-SRG	Banik,A., Dr. (M) Assistant Professor Presidency University 86/1 College Street Kolkata - 700 073 West Bengal	26.62	24
586	Exploring newer diatom metrics for assessing the integrity of fluvial ecosystem	DST-SERB-SRG	Pandey,L.K., Dr. (M) Assistant Professor M.J.P. Rohilkhand University Bareilly - 243 006 Uttar Pradesh	28.33	24

## BROAD SUBJECT AREA : BIOLOGICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
587	Exploring non-cell autonomous functions of autophagy during metabolic reprogramming of tumor microenvironment	DST-SERB-SRG	Bissa,B., Dr. (F) Assistant Professor Central University of Rajasthan NH 8, Bandar Sindri Ajmer - 305 817 Rajasthan	29.98	24
588	Exploring the role of silicon & plant-derived Biogenic silica nano-particles (Bsinsps) in management of Chromium (Crvi) stress in rice & wheat with special emphasis to Lsi1 & Lsi2 transporter genes	DST-SERB-SRG	Tripathi,D.K., Dr. (M) Assistant Professor Amity University Sector 125 Noida - 201 301 Uttar Pradesh	28.19	24
589	Gaba-mediated plant hormonal changes, mecahnics of source-sink capacity & yield under salinity stress in wheat (Triticum Aestivum)	DST-SERB-SRG	Khan,M.R., Dr. (M) Assistant Professor Jamia Hamdard Mehrauli Badarpur Road, Hamdard Nagar New Delhi - 110 062 Delhi	28.13	24
590	Hybrid microbial & chemical catalysis to develop high-volume, high value biopolymers from lignin rich bio-residue generated in rice straw bio-refinery	DST-SERB-SRG	Agrawal,R., Dr. (F) Associate Fellow The Energy & Resources Institute Darbari Seth Block, India Habitat Centre, Lodhi Road New Delhi - 110 003 Delhi	29.23	24
591	Identification & characterization of marker gene(s) for B-N Oxalyl-L-A, B-Diaminopropionic acid production in Lathyrus sativus	DST-SERB-SRG	Kumar,D., Dr. (M) Assistant Professor Uttar Banga Krishi Vishwavidyalaya Pundibari Cooch Behar - 736 165 West Bengal	29.74	24
592	Identification & characterization of novel saline tolerant genetic resources/alleles from Traditional rice varieties (Trvs) of Kerala	DST-SERB-SRG	Vaijyanthi,P.V., Dr. (F) Assistant Professor College of Agriculture P.O. Padannakkad Kasaragod - 671 310 Kerala	13.69	24
593	Identification & functional characterization of novel protease for development of dehydration tolerance in Chickpea (Cicer Arietinum L.)	DST-SERB-SRG	Gayen,D., Dr. (M) Assistant Professor Central University of Rajasthan NH 8, Bandar, Sindri Ajmer - 305 817 Rajasthan	29.30	24
594	Identification of genetic diversity in cryptosporidium parvum isolated prevalent in bovines in north India & development of recombinant antigen based immunodiagnostic assay for C. Parvum	DST-SERB-SRG	Rialch,A., Dr. (F) Scientist ICAR-Indian Veterinary Research Institute Department of Regional Station Palampur - 176 061 Himachal Pradesh	30.93	24
595	Identification of high essential oil yielding black turmeric (Curcuma Caesia) & molecular cloning of its terpenoid biosynthesis genes	DST-SERB-SRG	Sahoo,S., Dr. (F) Assistant Professor Siksha O Anusandhan University 15, Khandagiri Marg, Dharm Vihar, Jagamara Bhubaneswar - 751 030 Odisha	16.36	24
596	Identification of novel conserved kinase-kinase interface in receptor tyrosine kinase for drug designing	DST-SERB-SRG	Pal,K., Dr. (M) Assistant Professor Adamas University Barasat-Barrackpor Road, 24 Parganas North, Jagannathpur Kolkata - 700 126 West Bengal	29.61	24
597	Identification of novel miRNAs as a biomaker for development of nucleic acid probe based elisa for early pregnancy diagnosis in buffalo	DST-SERB-SRG	Batra,K., Dr. (M) Assistant Professor Lala Lajpat Rai University of Veterinary & Animal Sciences Police Line Hisar - 125 001 Haryana	31.94	24
598	Influence of drought stress on ribosomes & protein synthesis & understanding the functional relevance of ribosomal protein L10 in rice	DST-SERB-SRG	Vemanna,R.S., Dr. (M) Assistant Professor Regional Centre for Biotechnology 3rd Milestone, Faridabad-Gurgaon Expressway Faridabad - 121 001 Haryana	28.85	24

## BROAD SUBJECT AREA : BIOLOGICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
599	Integrative approach to chacterize human long non-coding RNAs	DST-SERB-SRG	Kiran,M., Dr. (F) Assistant Professor Hyderabad University Hyderabad - 500 046 Telangana	25.66	24
600	Introgression & mapping of bruchid resistance from Ricebean (Vigna umbellata) to Mungbean (V. radiata)	DST-SERB-SRG	Sharma,P., Dr. (M) Plant Breeder Punjab Agricultural University Ferozpur Road Ludhiana - 141 027 Punjab	28.30	24
601	Investigating histone methylation changes induced in adult stem cells during bacterial infections	DST-SERB-SRG	Abnave,P.B., Dr. (M) Assistant Professor Regional Centre for Biotechnology 3rd Milestone, Faridabad-Gurgaon Expressway Faridabad - 121 001 Haryana	28.33	24
602	Investigating the Gdsl/lipase/esterase family to understand the mechanism & the role of polysaccharide O-acetylation in plants for bioenergy applications	DST-SERB-SRG	Pawar,P.M., Dr. (M) Assistant Professor Regional Centre for Biotechnology 3rd Milestone, Faridabad-Gurgaon Expressway Faridabad - 121 001 Haryana	26.71	24
603	Investigating the role(s) of tumor suppression Protein Braca1 in protecting human telomere through direct interaction with telomeric G-Quadruplex DNA & the effect of structural diversity & oxidative stress: A real-time single molecule fluouescence..	DST-SERB-SRG	Pal,N., Dr. (F) Assistant Professor Indian Institute of Science Education & Research (Tirupati) Karakambadi Road, Rami Reddy Nagar, Mangalam Tirupati - 517 507 Andhra Pradesh	28.44	24
604	Investigation on oxysterol binding protein & lipids crosstalk in antifungal drug resistance of pathogenic fungi	DST-SERB-SRG	Bari,V.K., Dr. (M) Assistant Professor Central University of Punjab D-13, Civil Station Bhatinda - 151 001 Punjab	30.29	24
605	Mechanism of regulation of tomato Pub22 Gene, A E3 ligase during tomato leaf curl virus infection	DST-SERB-SRG	Mandal,A., Mr. (M) Assistant Professor Calcutta University 87/1, College Street Kolkata - 700 073 West Bengal	29.35	24
606	Mechanistic basis of generation of meiotic errors due to prolonged dictyate arrest	DST-SERB-SRG	Nambiar,M., Dr. (F) Assistant Professor Indian Institute of Science Education & Research (Pune) Dr. Homi Bhabha Road, Pashan Pune - 411 008 Maharashtra	29.62	24
607	Metabolic engineering of microalgae for the production of Uv protective compounds	DST-SERB-SRG	Bajhaiya,A.K., Dr. (M) Assistant Professor Central University of Tamil Nadu C/o Collectorate Annexe Tiruvavur - 610 005 Tamil Nadu	27.39	24
608	Molecular phylogeny, comparative biogeography & conservation status of endemic dragonflies & damselflies (Insecta: Odonata) of the western ghats	DST-SERB-SRG	Koparde,P., Dr. (M) Assistant Professor Mit - World Peace University Survey No. 124, Paud Road, Kothrud Pune - 411 038 Maharashtra	24.62	24
609	Phosphate controls the fate of root meristems to regulate root system architecture in plants	DST-SERB-SRG	Joshi,N.C., Dr. (M) Assistant Professor Amity University Sector 125 Noida - 201 301 Uttar Pradesh	26.11	24
610	Prognostic & mechanistic evaluation of Psme1 in lung cancer	DST-SERB-SRG	Tripathi,S.C., Dr. (M) Assistant Professor All India Institute of Medical Sciences Plot No 2, Sector 20, Mihan, Dahegaon Nagpur - 441 108 Maharashtra	24.89	24

BROAD SUBJECT AREA : BIOLOGICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
611	Reconstructing cell lineage, invariant & variable lineage maps by integrating mutation & transcriptomic data from dynamic lineage tracing experiments	DST-SERB-SRG	Zafar,H., Dr. (M) Assistant Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	18.81	24
612	Role of age & sex specific gut microbiota in brain injury for microbiome based therapeutics	DST-SERB-SRG	Dandekar,M.P., Dr. (M) Assistant Professor National Institute of Pharmaceutical Education & Research Balanagar Hyderabad - 500 037 Telangana	32.70	24
613	Structural & functional analysis of disordered regions in unbound & bound protein-protein & protein-nucleic acid complexes	DST-SERB-SRG	Barik,A., Dr. (F) Assistant Professor National Institute of Technology (Durgapur) Mahatma Gandhi Roa, A-Zone Durgapur - 713 209 West Bengal	21.16	24
614	Study the ribosome associated protein quality control mechanism of cell	DST-SERB-SRG	Das,D., Dr. (M) Reader Tata Institute of Fundamental Research Dr. Homi Bhabha Road, Navy Nagar, Colaba Mumbai - 400 005 Maharashtra	23.87	24
615	Targeting Kennedy pathway of cellular phosphatidylethanolamine biosynthesis as a common therapeutic strategy against protozoan parasites like Leishmania Donovanii, Tryanosoma Brucei & entamoeba Histolytica	DST-SERB-SRG	Basuball,W., Dr. (M) Assistant Professor S.R.M. Institute of Sciences & Technology Mangalagiri Neerukonda Tadikonda Road, Mangalagiri Guntur - 522 502 Andhra Pradesh	26.10	24
616	The role of functional traits in tree species distributions across environmental gradients in a tropical dry ecosystem	DST-SERB-SRG	Krishnadas,M., Dr. (F) Scientist CSIR-Centre for Cellular & Molecular Biology Uppal Road, Habsiguda Hyderabad - 500 007 Telangana	28.25	24
617	Thermal plasticity & thermal evolution in Drosophila melanogaster: An integrative approach	DST-SERB-SRG	Ghosh,S.M., Dr. (M) Assistant Professor Kalinga Institute of Industrial Technology University KIIT School of Biotechnology Bhubaneswar - 751 024 Odisha	29.18	24
618	Tissue-engineered model of endothelial plasticity & breast cancer progression	DST-SERB-SRG	Pradhan,S., Dr. (M) Assistant Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	25.30	24
619	To study the role of DNA/RNA helicases in Activation induced cytidine deaminase (Aid) - dependent genomic instability	DST-SERB-SRG	Husain,A., Dr. (M) Assistant Professor Aligarh Muslim University Aligarh - 202 001 Uttar Pradesh	28.71	24
620	To understand the physiological significance of Histone H3 clipping in budding yeast saccharomyces cerevisiae	DST-SERB-SRG	Azad,G.K., Dr. (M) Assistant Professor Patna University Ashok Rajpath Patna - 800 005 Bihar	30.98	24
621	Towards understanding the mechanism of infection of plant Badnaviruses - structure of Banana Streak virus using cryo-electron tomography & subtomogram averaging	DST-SERB-SRG	Obbineni,J., Dr. (M) Sr. Assistant Professor Vellore Institute of Technology University Tiruvalem Road, Katpadi Vellore - 632 014 Tamil Nadu	13.59	24
622	Understanding the impact of microbial genetic composition on host endoplasmic reticulum unfolded protein response	DST-SERB-SRG	Singh,J., Dr. (M) Assistant Professor Indian Institute of Science Education & Research (Mohali) Knowledge City, Sector 81, S.A.S. Nagar Mohali - 140 306 Punjab	19.84	24

## BROAD SUBJECT AREA : BIOLOGICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
623	Understanding the inhibitory interaction of small molecules with membrane protein drug targets using NMR spectroscopy	DST-SERB-SRG	Mote,K.R., Dr. (M) Reader F/Assistant Professor Tata Institute of Fundamental Research TIFR Centre for Interdisciplinary Sciences, 21, Brundavan Colony, Narsingi Hyderabad - 500 046 Telangana	27.54	24
624	Understanding the role of quorum sensing precursors in synthetic ecology inspired Algae-bacteria co-cultivation model for amelioration in lipid metabolism	DST-SERB-SRG	Patidar,S.K., Dr. (M) Assistant Professor Central University of Rajasthan NH 8, Bandar Sindri Ajmer - 305 817 Rajasthan	28.60	24
625	Unraveling the molecular basis of mitochondrial architecture: Purification & structural chacterization of the Micos (Mitochondrial contact site & cristae organizing system) complex	DST-SERB-SRG	Vaidya,A.T., Dr. (M) Reader F Tata Institute of Fundamental Research TIFR Centre for Interdisciplinary Sciences, 21, Brundavan Colony, Narsingi Hyderabad - 500 046 Telangana	31.65	24
626	Unravelling sperm epigenetic landscape regulated by estrogen receptors in adult male rats	DST-SERB-SRG	Khambata,K.K., Dr. (F) Scientist B ICMR-National Institute for Research in Reproductive Health Jehangir Merwanji Street, Parel Mumbai - 400 012 Maharashtra	25.08	24
627	Waste to value added fertilizer: An alternative disposal strategy of chicken feathers & poultry litter	DST-SERB-SRG	Mandal,A., Dr. (F) Assistant Professor Asutosh College 92, Shyamaprasad Mukherjee Road Kolkata - 700 026 West Bengal	17.53	24
628	Study of bioactivity of secondary metabolites of photorhabdus species on target & non-target organisms of agriculture system	DST-WOS-A	Bhargava,S., Ms. (F) Chaudhary Charan Singh University Meerut - 250 004 Uttar Pradesh	27.54	36
629	Whole genome sequencing of zingibermonatanum (family zingiberaceae)	DST-WOS-A	Elangban,M., Dr. (F) Kwaklei & Khonggunmelei Orchids Pvt. Ltd Imphal - 795 001 Manipur	31.13	36
630	Development of Ai machine for sex identification of pupa & cocoon cutting to foster women empowerment in sericulture	DST-WS	Thomas,J., Dr. (F) Associate Professor Christ University #325(45), Kengeri-Campus, Mysore Road Bengaluru - 560 029 Karnataka	20.59	36
631	Development of top-dressing automation technology for sustainable shrimp aquaculture, Bharathidasan University & CDAC-T	MEITY-R&D	Chellapandi,P., Dr. (M) Bharathidasan University Palkalaiperur Tiruchirappalli - 620 024 Tamil Nadu	35.97	12
632	An exploration of the mangroves of the eco-sensitive zone of Bhadrak wildlife division (Odisha) for their fungal endophyte diversity	MOEFCC-RDCD	Suryanarayanan,T.S., Dr. (M) Ramakrishna Mission Vidyapith Vivekannanda Institute of Tropical Mycology, 45A, Oliver Road, Mylapore Chennai - 600 004 Tamil Nadu	25.98	36
633	Development of low energy-low carbon Eco-cemetitious binders via synergistic use of low graded industrial wastes for sustainable development	MOEFCC-RDCD	Kumar,R., Mr. (M) CSIR-Central Building Research Institute Roorkee - 247 667 Uttarakhand	37.43	36
634	Development of performance improved precast lightweight composite materials using solid waste	MOEFCC-RDCD	Lakhani,R., Dr. (F) CSIR-Central Building Research Institute Division of OBM Roorkee - 247 667 Uttarakhand	66.77	36

BROAD SUBJECT AREA : BIOLOGICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
635	Exploration & conservation of edible & medicinal mushroom diversity & documentation of ethno mycological knowledge from forests of Coimbatore district of western ghats	MOEFCC-RDCD	Thiribhuvanamala,G., Dr. (F) Tamil Nadu Agricultural University Lawley Road, P.N. Pudur Coimbatore - 641 003 Tamil Nadu	12.74	18
636	Habitat distribution modeling & reinforcement of two threatened trees in the Kerala region of the western ghats for the improvement of their conservation status	MOEFCC-RDCD	Radha,R.K., Dr. (F) Jawaharlal Nehru Tropical Botanic Garden & Research Institute Thiruvananthapuram - 695 562 Kerala	14.40	36
637	Microbial communities in changing climatic regime: Analysis of primary & secondary risk factors	MOEFCC-RDCD	Mathur,V., Dr. (M) Assistant Professor Sri Venkateswara College Department of Zoology, Animal-Plant Interactions Lab., Delhi Univerity New Delhi - 110 021 Delhi	43.24	24
638	NRI light reflective nano composite plastering mortar/coating towards climate change adaptation in buildings	MOEFCC-RDCD	Jeyasubramanian,K., Dr. (M) Mepco Schlenk Engineering College Department of Chemistry, Mepco Nagar Sivakasi - 626 005 Tamil Nadu	19.61	36
639	Tracking & assessment threats of highly critically endangered scaly giant Chinese Pangolin (Manis pentadactyla) with special reference to sensitization of local communities for its long-term conservation in north-eastern states of India	MOEFCC-RDCD	Sethy,J., Dr. (M) Assistant Professor Amity University Amity Institute of Forestry & Wildlife, Gautam Budh Nagar Noida - 201 303 Uttar Pradesh	36.71	36
640	Understanding the relationship between forest & water in the context of changing climate variables of Naramda catchment	MOEFCC-RDCD	Sinha,B., Dr. (M) Indian Institute of Forest Management Nehru Nagar Bhopal - 462 003 Madhya Pradesh	30.77	24
Total Cost of 550 Projects Under: <b>Biological Sciences</b>				50,189.35	

BROAD SUBJECT AREA : CHEMICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
641	Developing Electrical Discharge Non-thermal Plasma (EDNP) based treatment process to achieve environmental compatibility in selected process industry wastewater remediation	AICTE-RP	Rajoo,B., Dr. (M) Kongu Engineering College Perundurai Railway Station Road, Thoppupalayam, Perundurai Erode - 636 060 Tamil Nadu	10.11	36
642	Development of a model for nutrient utilization in Microbial Enhanced Oil Recovery method (MEOR) in parts of oil fields of upper Assam	AICTE-RP	Mech,B., Dr. (M) Dibrugarh University Department of Petroleum Technology, Rajanbheta Dibrugarh - 786 004 Assam	18.75	36
643	Development of bio based polyurethanes	AICTE-RP	Rao,A., Mr. (M) Institute of Chemical Technology Nathal Parekh Marg, Matunga Mumbai - 400 019 Maharashtra	17.38	36
644	Development of efficient hydrodynamic cavitation based process for the preparation of Liquid Emulsion Membrane (LEM) & its application in recovery of hazardous & value added heavy metals from waste water	AICTE-RP	Bhanvase,B., Dr. (M) Laxminarayana Institute of Technology Nagpur - 440 033 Maharashtra	17.65	36
645	Development of super hydrophobic polyurethane based cloth for effective removal of organic solvents & oils	AICTE-RP	George,S., Dr. (M) Amal Jyothi College of Engineering Kottayam - 686 518 Kerala	16.86	36
646	Fabrication & characterization of cellulose based electrospun nanofibrous membrane for the effective removal of organoarsenic contaminants	AICTE-RP	Murugaiyan,S., Dr. (M) Coimbatore Institute of Engineering & Technology Coimbatore - 641 014 Tamil Nadu	18.63	36
647	Reservoir temperature & its impact on crude oil recovery: A study on core samples of a part of upper Assam basin & adjoining outcrops	AICTE-RP	Neog,D., Dr. (M) Dibrugarh University Department of Petroleum Technology, Rajanbheta Dibrugarh - 786 004 Assam	16.49	36
648	Study of carbon dioxide capture in amine-nanoparticles hybrid nanofluid	AICTE-RP	Mote,S.R., Dr. (F) Priyadarshini Institute of Engineering & Technology Nagpur - 440 019 Maharashtra	19.37	36
649	Study on the colloidal gas aphron wellbore fluid properties generated by different surfactants	AICTE-RP	Chowdhury,M., Dr. (M) Dibrugarh University Department of Petroleum Technology, Rajanbheta Dibrugarh - 786 004 Assam	25.00	36
650	Building protective exoskeletons around capsules of cells/catalysts/drug for applications in bioelectrocatalysis, drug delivery & sensing	CSIR-ES	Berchmans,S., Dr. (F) CSIR-Central Electrochemical Research Institute Division of Electrodeics & Electrocatalysis Karaikudi - 630 003 Tamil Nadu	10.20	36
651	Carbohydrate mimics: Synthesis of flavonoid C-glycosides & related structures	CSIR-ES	Batchu,V.R., Dr. (M) CSIR-Indian Institute of Chemical Technology Division of Organic Synthesis & Process Chemistry Hyderabad - 500 007 Telangana	10.20	36
652	Continuous flow photochemistry of metal free reaction on ethers using heterocyclic Michael acceptors & annulation via photocatalysed concerted addition reaction	CSIR-ES	Suryavanshi,G., Dr. (M) CSIR-National Chemical Laboratory Division of Chemical Engineering & Process Development Pune - 411 008 Maharashtra	10.20	36
653	Design of graphitic carbon nitride-metal oxide based hybrid nanostructures for energy & environmental applications	CSIR-ES	Krishnakumar,V., Dr. (M) Periyar University Department of Physics Salem - 636 011 Tamil Nadu	8.25	36

BROAD SUBJECT AREA : CHEMICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
654	Exploring the micellization & building properties of surfactants in the company of biologically active compounds	CSIR-ES	Banipal,P.K., Dr. (F) Guru Nanak Dev University Department of Chemistry Amritsar - 143 005 Punjab	10.20	36
655	Identification of new small molecule based Stat3 signaling inhibitors in hepatocellular	CSIR-ES	Rangappa,K.S., Dr. (M) Mysore University Department of Studies in Chemistry Mysore - 570 006 Karnataka	10.20	36
656	Photocatalytic studies of metal & non-metal doped layer type oxides for water splitting & dye degradation & preparation of biodegradable films for shelf life enhancement	CSIR-ES	Muga,V., Dr. (M) Osmania University Department of Chemistry, University College of Science Hyderabad - 500 007 Telangana	10.20	36
657	Practical & efficient total synthesis of D-(+)-biotin	CSIR-ES	Chavan,S.P., Dr. (M) CSIR-National Chemical Laboratory Division of Organic Chemistry Pune - 411 008 Maharashtra	10.20	36
658	Synthesis & characterization of highly surface active ionic liquids & their mixed micellization behavior with different amphiphilic block copolymers for the solubilization of hydrophobic drugs	CSIR-ES	Mahajan,R.K., Dr. (M) Guru Nanak Dev University Department of Chemistry Amritsar - 143 005 Punjab	10.20	36
659	Synthesis & structural analysis of energy efficient luminescent nanomaterials for multifunctional applications	CSIR-ES	Taxak,V.B., Dr. (F) Maharshi Dayanand University Department of Chemistry Rohtak - 124 001 Haryana	10.20	36
660	Co2 to Chemicals	CSIR-SS	Balaraman,E., Dr. (M) Indian Institute of Science Education & Research (Tirupati) Department of Chemistry Tirupati - 517 507 Andhra Pradesh	16.50	36
661	Design of zeolite-Y supported heterogeneous catalyst for C-C bond coupling reactions	CSIR-SS	Bania,K.K., Dr. (M) Tezpur University Department of Chemical Sciences Tezpur - 784 028 Assam	12.50	36
662	Development of the natural glycoside (stevioside/rebaudioside-A) based drug delivery nano-probe-carrier for cancer therapeutics	CSIR-SS	Hossain,U.S.K., Dr. (M) Chittaranjan National Cancer Institute Kolkata - 700 026 West Bengal	16.36	36
663	Design & development of fire resistant hollow tubes for gun barrel applications using wire arc additive manufacturing	DRDO-ER & IPR	Shiva,S., Dr. (M) Assistant Professor Indian Institute of Technology (Jammu) Department of Mechanical Engineering Jammu - 181 221 Jammu & Kashmir	46.63	24
664	Development of corrosion & wear resistant FE based metallic glass protective coating via thermal spraying	DRDO-ER & IPR	Laha,T., Dr. (M) Professor Indian Institute of Technology (Kharagpur) Department of Metallurgical & Materials Engineering Kharagpur - 721 302 West Bengal	38.01	36
665	Mechanical characterization & structural integrity of radar absorbing paints	DRDO-ER & IPR	Upadhyay,C.S., Mr. (M) Professor Indian Institute of Technology (Kanpur) Department of Aerospace Engineering Kanpur - 208 016 Uttar Pradesh	85.42	36



BROAD SUBJECT AREA : CHEMICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
666	Development of e-urinal	DRDO-LSRB	Mathuriya,A.S., Dr. (F) Associate Professor Sharda University KP-III Greater Noida - 201 306 Uttar Pradesh	30.19	18
667	Building ZincGel battery for e-rickshaws (electric three wheelers)	DSIR-PRISM	Kusurkar,T., Mr. (M) 80 A, Navi Peth, Kusurkar Wads Solapur - 413 001 Maharashtra	16.50	18
668	Instrument for instantaneous & on site measurement of aluminium electrolysis bath parameters	DST-DDP	Nimje,M.T., Dr. (M) Jawaharlal Nehru Aluminium Research Development & Design Centre Nagpur - 440 023 Maharashtra	78.90	24
669	Instruments for real time measurement of anode current distribution of aluminium electrolysis cell	DST-DDP	Sharma,R.J., Mr. (M) Sr. Principal Scientist Jawaharlal Nehru Aluminium Research Development & Design Centre Nagpur - 440 023 Maharashtra	43.44	24
670	Utilization of rural bio-mass waste into Bio-CNG for intergrated rural development	DST-DDP	Saxena,M.C., Dr. (M) Professor Dr. M.C. Saxena College of Engineering & Technology Department of Chemistry, 171, Barawankala, IIM Dubagga Bye Pass Lucknow - 226 101 Uttar Pradesh	169.46	24
671	A halide perovskite based photoanode for evolution reaction using a molecular diode in a hybrid nanometer scale protection layer	DST-IBC	Gupta,S., Dr. (M) Indian Institute of Technology (Bhilai) GEC Campus, Sejbahar, Old Dhamtari Road Raipur - 492 015 Chhattisgarh	24.19	36
672	A novel integration of TiO <sub>2</sub> nanotubes & hydrogen storage alloy for a solar-water based rechargeable fuel cell battery	DST-IBC	Bauri,R., Prof. (M) Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	11.10	36
673	Ab-initio linear & non-linear ultrafast spectroscopy in Tw-dimensional nitrogen based binary buckled group V semiconductors	DST-IBC	Bhattachary,S., Dr. (M) Indian Institute of Information Technology Allahabad - 211 015 Uttar Pradesh	35.26	36
674	Atomically precise naked cluster assemblies from ligand-stabilized clusters new materials for catalysis	DST-IBC	Thalappil,P., Prof. (M) Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	72.03	36
675	Carbon neutrality through combined CO <sub>2</sub> capture & novel H <sub>2</sub> technology with production of non-conventional fuels for smart cities	DST-IBC	Gogoi,S.B., Dr. (M) Dibrugarh University Department of Petroleum Technology Dibrugarh - 786 004 Assam	25.19	36
676	Carborane-protected metal nanoclusters: A new family of materials with atomic precision	DST-IBC	Pradeep,T., Prof. (M) Indian Institute of Technology (Madras) Department of Chemistry Chennai - 600 036 Tamil Nadu	37.50	36
677	Design & development of equiatomic multicomponent FeCoNiA <sub>x</sub> (A= Nil, Al/Ti/Mg, Cr, Si/Cu) alloys for electromagnetic applications	DST-IBC	Kumar,V., Dr. (M) Indian Institute of Technology (Indore) Indore - 453 552 Madhya Pradesh	6.24	36
678	Design & development of self-powered selective collection of rare earth elements from sea water	DST-IBC	Balaguru,R.J.B., Dr. (M) SASTRA University School of Electrical & Electronics Engineering & Centre for Nanotechnology & Advanced Materials Thanjavur - 613 401 Tamil Nadu	5.26	36

BROAD SUBJECT AREA : CHEMICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
679	Design & fabrication of GaN based THz solid state source	DST-IBC	Biswas,A., Dr. (M) Kazi Nazrul University School of Mines & Metallurgy Burdwan - 713 340 West Bengal	4.91	36
680	Development & implementation of micro & nanoscale (granulated) semi-conduction thermoelectric materials	DST-IBC	Gopalan,R., Dr. (M) International Advanced Research Centre for Powder Metallurgy & New Materials (ARCI) Hyderabad - 500 005 Telangana	14.56	36
681	Development of cost effective new catalyst technologies for high performance polymer electrolyte membrane fuel cells	DST-IBC	Mysore,S., Dr. (M) Jyothy Institute of Technology Bengaluru - 560 082 Karnataka	11.10	36
682	Development of high energy density asymmetric super capacitor using chemically derived mesoporous graphene - based composites materials	DST-IBC	Kulia,T., Dr. (M) CSIR-Central Mechanical Engineering Research Institute Durgapur - 713 209 West Bengal	6.40	36
683	Development of mxene-transition metal compound sulfide & phosphide hetero-nanostructures as electrocatalysts for overall water splitting	DST-IBC	Chaudhari,N.K., Dr. (M) Pandit Deendayal Energy University Gandhinagar - 382 007 Gujarat	36.74	36
684	Development of photo electrochemical catalysts for efficient CO <sub>2</sub> reduction based on novel combinations of 2D materials & 3D nanoscaffold hierarchical structures	DST-IBC	Singh,J.P., Prof. (M) Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	33.70	36
685	Development, mechanical & tribological characterization of nano-thermoplastic PP/ thermoactive ER/nano filter composites & polymer coatings	DST-IBC	Wani,M.F., Prof. (M) National Institute of Technology (Srinagar) Srinagar - 190 006 Jammu & Kashmir	17.80	36
686	Experimental & numerical engineering of eutectic microstructures in novel high melting Mo-Si-Ti alloys processed by additive manufacturing: Microstructure, texture & ensuing mechanical properties	DST-IBC	Suwas,S., Prof. (M) Indian Institute of Science Bengaluru - 560 012 Karnataka	36.40	36
687	Fabrication & development co-doped lanthanum gallate perovskite nanoparticles materials as electrolyte for solid oxide fuel cells SOFCs	DST-IBC	Babu,S.K., Dr. (M) Pondicherry University Kalapet Puducherry - 605 014 Puducherry	9.10	36
688	Fuel cell powered electric bicycles with solar generator based refueling technique for sustainable transportation	DST-IBC	Elangovan,D., Dr. (M) Vellore Institute of Technology University Vellore - 632 014 Tamil Nadu	9.10	36
689	Functionalized microelectrode arrays combined with ion concentrators for the electrochemical sensing of groundwater & wastewater contaminants	DST-IBC	Chaudhari,K., Dr. (M) International Centre for Clean Water Chennai - 600 113 Tamil Nadu	42.73	36
690	GPTNOM - Green Printing Technology for Novel Optical Metadevices	DST-IBC	Ganguli,A.K., Prof. (M) Indian Institute of Technology (Delhi) Department of Chemistry, Hauz Khas New Delhi - 110 016 Delhi	41.51	36
691	High energy density lithium battery with polymer garnet nanocomposite electrolyte	DST-IBC	Murugan,R., Prof. (M) Pondicherry University Kalapet Puducherry - 605 014 Puducherry	37.36	36

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Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
692	Hot electron transfer in semiconductor nanocrystals for artificial photosynthesis	DST-IBC	Challapalli,S., Prof. (M) Indian Institute of Technology (Hyderabad) Department of Chemistry Sangareddy - 502 285 Telangana	5.54	36
693	Hydrogen trophic anaerobic biotechnological system for enrichment of biogas HABSEB technology for power & vehicular fuel applications	DST-IBC	Chandra,R., Dr. (M) Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	42.42	36
694	Identifying best available technologies for decentralized wastewater treatment & resource recovery for India	DST-IBC	Kazmi,A.A., Dr. (M) Indian Institute of Technology (Roorkee ) Roorkee - 247 667 Uttarakhand	160.77	36
695	Identifying best available technologies for decentralized wastewater treatment & resource recovery for India	DST-IBC	Das,S., Dr. (F) TERI University New Delhi - 110 070 Delhi	24.33	36
696	Identifying best available technologies for decentralized wastewater treatment & resource recovery for India	DST-IBC	Singh,A., Prof. (F) National Institute of Industrial Engineering (NITIE) Mumbai - 400 087 Maharashtra	137.08	36
697	Identifying best available technologies for decentralized wastewater treatment & resource recovery for India	DST-IBC	Vivekanand, Dr. (M) Malaviya National Institute of Technology (Jaipur) Jaipur - 302 017 Rajasthan	85.91	36
698	Identifying best available technologies for decentralized wastewater treatment & resource recovery for India	DST-IBC	Ghangekar,M.M., Prof. (M) Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	249.53	36
699	Identifying best available technologies for decentralized wastewater treatment & resource recovery for India	DST-IBC	Behera,M., Prof. (M) Indian Institute of Technology (Bhubaneswar) Bhubaneswar - 751 013 Odisha	115.43	36
700	Identifying best available technologies for decentralized wastewater treatment & resource recovery for India	DST-IBC	Phillip,L., Prof. (M) Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	164.53	36
701	Intricate functional scaffolds produced via solvent free, single step process	DST-IBC	Srivastava,R.K., Dr. (M) Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	40.46	36
702	Ionic transport properties of nanocrystalline high entropy oxides	DST-IBC	Bhattacharya,S.S., Prof. (M) Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	35.53	36
703	LDMHWBEATAILED - Low-Dimensional Metal Halides With Broadband Emission & Their Application In Light Emitting Diode	DST-IBC	Nag,A., Dr. (M) Indian Institute of Science Education & Research (Pune) Pune - 411 008 Maharashtra	43.86	36
704	Metal-oxide nanoparticle assemblies for gas sensors	DST-IBC	Bhat,N., Dr. (M) Indian Institute of Science Bengaluru - 560 012 Karnataka	32.11	36
705	Microstructural evolution & structure-property correlations in FeCoNi based multi component alloy thin films	DST-IBC	Dey,S.R., Dr. (M) Indian Institute of Technology (Hyderabad) Department of Materials Science & Metallurgical Engineering Sangareddy - 502 285 Telangana	43.68	36

BROAD SUBJECT AREA : CHEMICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
706	Mono & bimetallic complexes for energy relevant photo catalysis	DST-IBC	Rath,S.P., Prof. (M) Indian Institute of Technology (Kanpur) Department of Chemistry Kanpur - 208 016 Uttar Pradesh	36.50	36
707	Nanometric sensitizer polyoxometalate tandem system for photo-catalytic water splitting	DST-IBC	Mondol,R., Dr. (M) Indian Association for the Cultivation of Science Kolkata - 700 032 West Bengal	28.26	36
708	Nano-selective, bio-mimetic membranes for integrated biotechnological production of biofuels from lignocellulosic biomass	DST-IBC	Sarkar,U., Dr. (F) Jadavpur University Kolkata - 700 032 West Bengal	48.36	36
709	Nanotechnological interventions to convert tannery solid waste into value added nanofibrous membranes	DST-IBC	Fathima,N.N., Dr. (M) CSIR-Central Leather Research Institute Chennai - 600 020 Tamil Nadu	10.70	36
710	Network polymer electrolytes for alloy based electrodes for Na-tion batteries	DST-IBC	Bhattacharyya,A.J., Prof. (M) Indian Institute of Science Bengaluru - 560 012 Karnataka	45.23	36
711	PAANEE (Photons & Ai for Aquifer monitoring Needs): A cyber physical system for monitoring groundwater quality	DST-IBC	Mukherji,S., Prof. (F) Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	73.43	36
712	Photo-catalytic dye degradation for industrial (textile) waste management	DST-IBC	Ghosh,K., Dr. (M) Institute of Nano Science & Technology Mohali - 140 306 Punjab	5.64	36
713	Photo-switchable & magnetic photo-switchable ionic liquids theory & experiments	DST-IBC	Venkataramani,S., Dr. (M) Indian Institute of Science Education & Research (Mohali) Mohali - 140 306 Punjab	27.25	36
714	Porous conjugated polymers for all polymer solar cells	DST-IBC	Zade,S., Dr. (M) Indian Institute of Science Education & Research (Kolkata) Mohanpur - 741 246 West Bengal	40.05	36
715	SCO young scientist conclave to be hosted by India at IICT, Hyderabad during 14-18 October 2020	DST-IBC	Mohan,V., Dr. (M) CSIR-Indian Institute of Chemical Technology Hyderabad - 500 007 Telangana	47.80	36
716	SIMRO- Sustainable & Integrated solutions for Monitoring & Remediation of emerging contaminants (Organo-Chlorine) from non-point sources	DST-IBC	Mohan,V., Dr. (M) CSIR-Indian Institute of Chemical Technology Hyderabad - 500 007 Telangana	15.88	36
717	SIMRO- Sustainable & Integrated solutions for Monitoring & Remediation of emerging contaminants (Organo-Chlorine) from non-point sources	DST-IBC	Kumar,S., Dr. (M) CSIR-National Environmental Engineering Research Institute Nagpur - 440 020 Maharashtra	15.26	36
718	SIMRO- Sustainable & Integrated solutions for Monitoring & Remediation of emerging contaminants (Organo-Chlorine) from non-point sources	DST-IBC	Sadasivam,A., Dr. (M) CSIR-Indian Institute of Toxicology Research Lucknow - 226 001 Uttar Pradesh	15.26	36
719	Social, economical & environmental issues of biofilm formation and marine biofouling in RO Systems	DST-IBC	Qureshi,A., Dr. (F) CSIR-National Environmental Engineering Research Institute Nagpur - 440 020 Maharashtra	8.30	36

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Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
720	Stimuli-responsive block copolymer based nanostructured single/multi component micelles: Materials & applications	DST-IBC	Mandal,T.K., Dr. (M) Indian Association for the Cultivation of Science Kolkata - 700 032 West Bengal	28.81	36
721	Strontium titanate for CO2 utilization of nanostructures one step closer to a carbon-free environment	DST-IBC	Ingole,P.P., Dr. (M) Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	41.81	36
722	Study of self-heating effect on sub 7nm stacked nanosheet field effect transistor	DST-IBC	Sivasankaran,K., Dr. (M) Vellore Institute of Technology University Vellore - 632 014 Tamil Nadu	17.89	36
723	Synthesize & characterization of the emerging multi-functional properties of sulvanite compounds from theory & experiment	DST-IBC	Patra,P.K., Dr. (M) North-Eastern Hill University Shillong - 793 022 Meghalaya	18.40	36
724	Thermoelectric properties & self-organization processes in silicates, doped by metal oxides	DST-IBC	Rai,D.P., Dr. (M) Pachhunga University College Aizawal - 796 001 Mizoram	10.55	36
725	Ultrafast hot-carrier energy distribution & relaxation in metal nanostructures	DST-IBC	Vasa,P., Dr. (M) Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	6.52	36
726	Aesthetically acceptable, breath friendly triboelectric facemasks: Design, fabrication, testing & technology translation	DST-N-M	Santra,P.K., Dr. (M) Centre for Nano & Soft Matter Sciences Bengaluru - 562 162 Karnataka	7.01	12
727	Development of scalable & reusable N95 & N99 mask with enhanced antiviral/antibacterial property	DST-N-M	Sivakumar,S., Prof. (M) Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	21.25	12
728	Development of self-disinfecting nano particle & electro spun coatings on face masks and medical suits for combating Covid19	DST-N-M	Rao,T.N., Dr. (M) International Advanced Research Centre for Powder Metallurgy & New Materials (ARCI) Hyderabad - 500 005 Telangana	21.55	12
729	Large scale production of reusable & compostable cellulose-nano crystals formulated nano-coating based anti-viral masks & coverall suits for COVID19 patients & health workers	DST-N-M	Katiyar,V., Prof. (M) Indian Institute of Technology (Guwahati) Guwahati - 781 039 Assam	17.53	12
730	N9 blue nano silver & its nano composites as antiviral nano coatings for protection against Covid-19 virus	DST-N-M	Agrawal,A.K., Prof. (M) Indian Institute of Technology (Delhi) New Delhi - 110 016 Delhi	20.00	12
731	Organic-Inorganic hybrid nano coatings for disposable masks: A formidable arsenal against pathogenic Covid-19	DST-N-M	Viswanatha,R., Dr. (M) Jyothy Institute of Technology Bengaluru - 560 082 Karnataka	14.73	12
732	A comparative study of Thermally activated delayed fluorescence (Tadf) in twisted & planar organic molecules	DST-SERB-CRG	Hazra,P., Dr. (M) Associate Professor Indian Institute of Science Education & Research (Pune) Dr. Homi Bhabha Road, Pashan Pune - 411 008 Maharashtra	36.24	36
733	A direct catalytic approach towards the synthesis of C3-substituted pyrroles in non-symmetric/asymmetric fashion	DST-SERB-CRG	Kumar,I., Prof. (M) Associate Professor Birla Institute of Technology & Science (Pilani) Vidya Vihar Pilani - 333 031 Rajasthan	34.91	36

BROAD SUBJECT AREA : CHEMICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
734	A novel approach for the synthesis of oxindole bearing A 3- flourinated quaternary sterogenic center	DST-SERB-CRG	Maji,B., Dr. (M) Assistant Professor Indira Gandhi National Tribal University Kapil Dhara Road, Mekal Sadan, Anuppur Amarkantak - 484 887 Madhya Pradesh	43.27	36
735	Abeldyn: Development of an Ab-initio electronic dynamics (Abeldyn) package for molecular properties in the presence of time varying strong fields in multiple time scale	DST-SERB-CRG	Balanarayan,P., Dr. (M) Assistant Professor Indian Institute of Science Education & Research (Mohali) Knowledge City, Sector 81, S.A.S. Nagar Mohali - 140 306 Punjab	46.86	36
736	Alternatively connected corrole-porphyrin hybrids: Investigations on metallation, structure & properties	DST-SERB-CRG	Sankar,J., Dr. (M) Professor Indian Institute of Science Education & Research (Bhopal) Indore Bypass Road, Bhauri Bhopal - 462 066 Madhya Pradesh	67.90	36
737	Asymmetric N-heterocyclic carbene (Nhc) catalysis via non-covalent interactions	DST-SERB-CRG	Guin,J., Dr. (M) Assistant Professor Indian Association for the Cultivation of Science 2a & 2b, Raja S.C. Mullick Road Kolkata - 700 032 West Bengal	36.29	36
738	Asymmetric total synthesis of anticancer compounds - 3a-O-(B-D-Glucopyranosyl) desoxypodop hylloxotin, propolisbenzofuran B & more	DST-SERB-CRG	Hajra,S., Prof. (M) Centre of Biomedical Research Raebareli Road Lucknow - 226 014 Uttar Pradesh	63.33	36
739	Bicyclic (Alkyl) (Amino) carbene as ligand to supported low valent complexes from main group & transition elements & applications thereof in catalysis	DST-SERB-CRG	Singh,S., Dr. (M) Associate Professor Indian Institute of Science Education & Research (Mohali) Knowledge City, Sector 81, S.A.S. Nagar Mohali - 140 306 Punjab	27.62	36
740	Bioinspired copper & nickel complexes for activation & conversion of CO <sub>2</sub> into C <sub>1</sub> -feedstock	DST-SERB-CRG	Mayilmurugan,R., Dr. (M) Assistant Professor Madurai Kamaraj University Palkalai Nagar Madurai - 625 021 Tamil Nadu	51.81	36
741	Biomimetic total synthesis of complex diketopiperazines as unique leads to overcome drug resistance	DST-SERB-CRG	Viswanathan,R., Dr. (M) Associate Dean Indian Institute of Science Education & Research (Tirupati) Karakambadi Road, Rami Reddy Nagar, Mangalam Tirupati - 517 507 Andhra Pradesh	63.86	36
742	Can extended H-Bonding network due to protic ionic liquids facilitate the growth & stability of discrete water domains in hydrophobic environment?	DST-SERB-CRG	Senapati,S., Dr. (M) Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	42.83	36
743	C-H, C-O activation & C <sub>1</sub> -platform chemicals: Synthetic & mechanistic studies on two-metal synergy	DST-SERB-CRG	Roy,S., Prof. (M) Indian Institute of Technology (Bhubaneswar) Arugul, Jatni Bhubaneswar - 752 050 Odisha	56.79	36
744	Characterizing the effect of lbs & non-lbs of ice binding proteins on ice nucleation & growth	DST-SERB-CRG	Jana,B., Dr. (M) Associate Professor Indian Association for the Cultivation of Science 2a & 2b, Raja S.C. Mullick Road Kolkata - 700 032 West Bengal	26.46	36
745	Chemical proteomic approach to identify small molecule Superoxide dismutase (Sod) inhibitors for cancer therapeutics	DST-SERB-CRG	Venkatesh,V., Dr. (M) Assistant Professor Indian Institute of Technology (Roorkee ) Roorkee-Haridwar Highway Roorkee - 247 667 Uttarakhand	49.83	36

BROAD SUBJECT AREA : CHEMICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
746	Chemical synthesis of post-translationally modified amyloid beta peptides & their implications to Alzheimer's disease	DST-SERB-CRG	Govindaraju,T., Prof. (M) Associate Professor Jawaharlal Nehru Centre for Advanced Scientific Research Rachenahalli Lake Road, Jakkur Bengaluru - 560 064 Karnataka	77.70	36
747	Chemistry at solid-liquid interface: Thin films of semiconducting 2d coordination polymers	DST-SERB-CRG	Ballav,N., Dr. (M) Associate Professor Indian Institute of Science Education & Research (Pune) Dr. Homi Bhabha Road, Pashan Pune - 411 008 Maharashtra	52.91	36
748	Cobalt, nickel & palladium carbene complexes as molecular electrocatalysts for overall water splitting	DST-SERB-CRG	Budagumpi,S., Dr. (M) Associate Professor Jain University 209, Jakkasandra Post Bengaluru - 560 069 Karnataka	50.99	36
749	Combinatorial approach for enhancing surface oxidation & reduction kinetics for value added products from renewable sources	DST-SERB-CRG	Qureshi,M., Prof. (M) Indian Institute of Technology (Guwahati) Surjyamukhi Road, North Amingaon Guwahati - 781 039 Assam	36.38	36
750	Computational design of two-dimensional surfaces beyond graphene for electrochemical transformation of Co <sub>2</sub> to useful chemicals	DST-SERB-CRG	Datta,A., Dr. (M) Professor Indian Association for the Cultivation of Science 2a & 2b, Raja S.C. Mullick Road Kolkata - 700 032 West Bengal	39.35	36
751	Computational investigations towards designing of main group & transition metal based systems for Dinitrogen activation	DST-SERB-CRG	Phukan,A.K., Prof. (M) Tezpur University Napaam Tezpur - 784 028 Assam	40.96	36
752	Computational modeling of novel polyphenolic antioxidant molecules as potential drug	DST-SERB-CRG	Kar,R., Dr. (M) Assistant Professor Dibrugarh University National Highway Dibrugarh - 786 004 Assam	35.35	36
753	Contact charged surfaces for driving useful surface chemical reactions	DST-SERB-CRG	Pandey,R.K., Dr. (M) Associate Professor Mahatma Gandhi Central University East Champaran Motihari - 845 401 Bihar	39.59	36
754	Cooperative metal-catalyzed carboboration/carbosilylation of alkynes/alkenes via C-H activation	DST-SERB-CRG	Deb,I.B., Dr. (M) Associate Professor CSIR-Indian Institute of Chemical Biology 4, Raja S.C. Mullick Road, Jadavpur Kolkata - 700 032 West Bengal	41.72	36
755	Design & development of new cost effective carbazole based hole transporting materials for perovskite solar cells	DST-SERB-CRG	Ahipa,T.N., Dr. (M) Assistant Professor Jain University 209, Jakkasandra Post Bengaluru - 560 069 Karnataka	39.82	36
756	Design & synthesis of a novel class of sequence - defined macrocycles with modular post-synthetic modification for material & biomedical applications	DST-SERB-CRG	Porel,M., Dr. (F) Assistant Professor Indian Institute of Technology (Palakkad) Ahalia Integrated Campus, District Palakkad Kozhhippara - 678 557 Kerala	53.65	36
757	Design of biomimetic materials with strain-stiffening characteristics for implication in cellular response	DST-SERB-CRG	Pal,A., Prof. (M) Scientist E Institute of Nano Science & Technology Phase 10, Sector 64 Mohali - 140 306 Punjab	35.80	36
758	Design of photonic crystals of G-C <sub>3</sub> N <sub>4</sub> @ tantalum nitride/oxynitride nanohybrid photoelectrodes for high solar to hydrogen conversion efficiency	DST-SERB-CRG	Rao,R.G., Prof. (M) Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	42.49	36

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Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
759	Design of photosensitive molecular crystals by crystal engineering approach towards achieving smart actuator & photoswitchable devices	DST-SERB-CRG	Ghosh,S., Dr. (M) Research Assistant Professor S.R.M. Institute of Sciences & Technology Department of Research, S.R.M. Nagar, Potheri Kattankulathur - 603 203 Tamil Nadu	43.75	36
760	Design of stimuli-responsive photochemical molecular switches based on platinum metals	DST-SERB-CRG	Baitalik,S., Prof. (M) Jadavpur University 188, Raja S.C. Mullick Road, Jadavpur Kolkata - 700 032 West Bengal	29.10	36
761	Design strategies for the development of non-precious metal-based air electrode for rechargeable metal-air batteries: Unveiling the chemistry of active site	DST-SERB-CRG	Dey,R.S., Dr. (M) Scientist C Institute of Nano Science & Technology Phase 10, Sector 64 Mohali - 140 306 Punjab	38.99	36
762	Design, synthesis & biological evaluation of O-and-C-derivatives of phenylethanoid glycosides as a multi-targeting neuroprotective disease modifying agents for Alzheimer's disease	DST-SERB-CRG	Kandasamy,J., Dr. (M) Associate Professor Indian Institute of Technology (BHU) Banaras Hindu University Varanasi - 221 005 Uttar Pradesh	48.07	36
763	Designing of new heterogeneous recyclable catalysts & study of their kinetics & catalytic applications for the synthesis of value added chemicals via carbon dioxide fixation	DST-SERB-CRG	Islam,S.K.M., Dr. (M) Professor Kalyani University Block C Kalyani - 741 245 West Bengal	43.60	36
764	Designing the new potential catalysts using high throughput DfT & machine learning techniques	DST-SERB-CRG	Kumar,D., Dr. (M) Assistant Professor M.S. Ramaiah University of Applied Sciences New Bel Road, M.S.R. Nagar, Gnanagangothri Campus Bengaluru - 560 054 Karnataka	37.77	36
765	Development of adjuvants for potentiating & repurposing obsolete antibiotics against multidrug resistance gram-negative pathogens	DST-SERB-CRG	Haldar,J., Dr. (M) Associate Professor Jawaharlal Nehru Centre for Advanced Scientific Research Rachenahalli Lake Road, Jakkur Bengaluru - 500 064 Karnataka	55.97	36
766	Development of electrochemical strategies for carbon-chalcogen bond formations	DST-SERB-CRG	Badsara,S.S., Dr. (M) Assistant Professor Rajasthan University Jin Marg Jaipur - 302 004 Rajasthan	36.56	36
767	Development of enantioselective S-electrophilic cascade annulation reactions using iron Lewis-acid catalysis: Application to the synthesis of scaffolds related to bioactive natural products	DST-SERB-CRG	Kontham,R., Dr. (M) Senior Scientist CSIR-National Chemical Laboratory Dr. Homi Bhabha Road, Pashan Pune - 411 008 Maharashtra	38.71	36
768	Development of functionalized metal oxides & layered materials for environmental sensors	DST-SERB-CRG	Gupta,R., Dr. (F) Assistant Professor Indian Institute of Technology (Jodhpur) NH 65, Surapura Bypass Road, Karwar Jodhpur - 342 030 Rajasthan	73.45	36
769	Development of manganese & iron-based metal catalysts for asymmetric hydrogenation of imines & enamines	DST-SERB-CRG	Punji,B., Dr. (M) Principal Scientist CSIR-National Chemical Laboratory Dr. Homi Bhabha Road, Pashan Pune - 411 008 Maharashtra	46.59	36
770	Development of organic P-conjugated luminogens with tunable solid state emissions & evaluation of mechano-responsive properties	DST-SERB-CRG	Sarma,R.J., Dr. (M) Associate Professor Gauhati University Jalukbari Guwahati - 781 014 Assam	27.32	36



BROAD SUBJECT AREA : CHEMICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
771	Development of point-of-care assays for early detection of lifestyle disease linked biothiols & biogenic amine	DST-SERB-CRG	Chatterjee,P.B., Dr. (M) Principal Scientist CSIR-Central Salt & Marine Chemicals Research Institute Gijubhai Badheka Marg Bhavnagar - 364 002 Gujarat	31.90	36
772	Development of synthetic methodologies by electrochemical redox activation	DST-SERB-CRG	Desarkar,S., Dr. (M) Associate Professor Indian Institute of Science Education & Research (Kolkata) Mohanpur - 741 246 West Bengal	46.42	36
773	Dioxygen-triggered radical-based oxidative difunctionalization	DST-SERB-CRG	Hajra,A., Dr. (M) Assistant Professor Visva Bharati University Bolpur Santiniketan - 731 236 West Bengal	46.86	36
774	Dynamic & reconfigurable self-assembly of active microcompartments at oil-water interface	DST-SERB-CRG	Pavankumar,B.V.V.S., Dr. (M) Assistant Professor Indian Institute of Technology (Roorkee ) Roorkee-Haridwar Highway Roorkee - 247 667 Uttarakhand	46.75	36
775	Dynamical insights into fragmentations & ionizations of molecules under the influence of intense laser pulses	DST-SERB-CRG	Tiwari,A.K., Dr. (M) Professor Indian Institute of Science Education & Research (Kolkata) Mohanpur - 741 252 West Bengal	61.69	36
776	Effect of crosslinking agents on the conformational landscape of peptides & its impact on the efficiency of peptide therapeutic	DST-SERB-CRG	Chakrabarti,R., Prof. (M) Associate Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	43.43	36
777	Effects of ionic liquids on proteins in aqueous environment from computer simulation studies	DST-SERB-CRG	Bandyopadhyay,S., Prof. (M) Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	44.02	36
778	Electrocatalytic reduction of Co <sub>2</sub> on composite electrodes: Investigation of mechanistic & electrochemical aspects using Scanning electrochemical microscopy (Secm), in situ ftir spectroelectrochemistry & fast scan voltammetry technique	DST-SERB-CRG	Haram,S.K., Prof. (M) Savitribai Phule Pune University Ganeshkhind Pune - 411 007 Maharashtra	48.95	36
779	Electron transport at the nanoscale - a molecular electronics-based measurement approach	DST-SERB-CRG	Kalignedi,V., Dr. (M) Assistant Professor Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	71.61	36
780	Enzyme-inspired photosensitized H <sub>2</sub> production catalysts	DST-SERB-CRG	Dutta,A., Dr. (M) Assistant Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	43.46	36
781	Experimental & theoretical investigation on lead-free perovskites for optoelectronic applications	DST-SERB-CRG	Chakkooth,V., Dr. (M) Senior Scientist CSIR-National Institute for Interdisciplinary Science & Technology P.o. Industrial Estate, Pappanamcode Thiruvananthapuram - 695 019 Kerala	52.08	36
782	Explorations of radical cascade & multicomponent reactions, non-traditional reactivity of radicals & chirality relay	DST-SERB-CRG	Laha,J.K., Dr. (M) Assistant Professor National Institute of Pharmaceutical Education & Research S.A.S. Nagar, Sector 67 Mohali - 160 062 Punjab	44.92	36

BROAD SUBJECT AREA : CHEMICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
783	Fabrication of electrical actuators with special wettability surfaces for efficient handling of micro/nano droplets	DST-SERB-CRG	Raidongia,K., Dr. (M) Associate Professor Indian Institute of Technology (Guwahati) Surjyamukhi Road, North Amingaon Guwahati - 781 039 Assam	27.72	36
784	Formation & dissolution of iron mineral in Ferritin protein nanocage: Impact of oxoanions & intrinsic electron relay stations	DST-SERB-CRG	Behera,R.K., Prof. (M) Assistant Professor National Institute of Technology (Rourkela) Sector 1 Rourkela - 769 008 Odisha	50.31	36
785	Fret enabled fluorescent ratiometric temperature sensors on plasmonic nanoparticles: Self-limiting hyperthermic nanoparticles	DST-SERB-CRG	Palantavida,S., Dr. (M) Associate Professor Jain University 209, Post Jakkasandra Bengaluru - 560 041 Karnataka	59.51	36
786	Harvesting triplet excitons in organic fluorophores via reverse intersystem crossing for improving solid state fluorescence efficiency & device performance	DST-SERB-CRG	Anthony,S.P., Dr. (M) Associate Professor SASTRA University Thirumalaisamudram Thanjavur - 613 401 Tamil Nadu	31.28	36
787	Immiscible bimetallic nanostructures as multifunctional electrocatalysts	DST-SERB-CRG	Bhattacharyya,S., Prof. (M) Indian Institute of Science Education & Research (Kolkata) Mohanpur - 741 252 West Bengal	70.60	36
788	Interaction of metal-amyloid B peptide complexes relevant to Alzheimer's disease in micellar environment	DST-SERB-CRG	Dey,S.G., Dr. (F) Professor Indian Association for the Cultivation of Science 2a & 2b, Raja S.C. Mullick Road Kolkata - 700 032 West Bengal	32.51	36
789	Investigation of the nature & origin of intermolecular Se-H ---X (X=O,N,S,Se) hydrogen bonding interaction using matrix isolation infrared spectroscopy & theoretical calculations	DST-SERB-CRG	Chakraborty,S., Dr. (M) Associate Professor Birla Institute of Technology & Science (Pilani) Vidya Vihar Pilani - 333 031 Rajasthan	29.52	36
790	Investigation of transition metal catalyzed carbonylative transformations via functionalization of acylmetal species: Synthesis of potential building blocks & carbo (Hetero) cycles	DST-SERB-CRG	Anbarasan,P., Dr. (M) Associate Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	52.29	36
791	Investigation on metal-free approaches towards C-C & C-Heteroatom bond formation for the synthesis of carbocycles & heterocycles	DST-SERB-CRG	Malakar,C.C., Dr. (M) Assistant Professor National Institute of Technology (Manipur) Langol Road, Lamphelpat Imphal - 795 004 Manipur	35.77	36
792	Investigation on nanocellulose incorporated Liquid crystal elastomers (Lce) as soft actuators	DST-SERB-CRG	Umadevi,S., Dr. (F) Assistant Professor Alagappa University College Road, Alagappa Puram Karaikudi - 630 003 Tamil Nadu	43.05	36
793	Investigations on the expansion of application portfolio of oxyallyl cation & related species from complex molecular synthesis to site-selective protein modification	DST-SERB-CRG	Saha,J., Dr. (M) Assistant Professor Centre for Biomedical Research Raebareli Road Lucknow - 226 014 Uttar Pradesh	49.94	36
794	Isomerism directed molecular architectures for electrochemical energy storage & conversion devices	DST-SERB-CRG	Ottakamthotiyi,M.M., Dr. (M) Associate Professor Indian Institute of Science Education & Research (Pune) Dr. Homi Bhabha Road, Pashan Pune - 411 008 Maharashtra	48.49	36

BROAD SUBJECT AREA : CHEMICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
795	Isotope edited vibrational circular dichroism on Amyloid fibrils	DST-SERB-CRG	Shanmugam,G., Dr. (M) Principal Scientist CSIR-Central Leather Research Institute Sardar Patel Nagar, Adyar Chennai - 600 020 Tamil Nadu	38.29	36
796	Lead optimization of potent multistage antimalarials	DST-SERB-CRG	Rathi,B., Dr. (M) Assistant Professor Delhi University Hansraj College, Mahatma Hansraj Marg, Malkaganj Delhi - 110 007 Delhi	46.42	36
797	Ligand targeted protac conjugates: Chemically induced degradation of disease-causing kinases by a Proteolysis targeting chimera's (Protacs) coupled with tumor targeting ligands	DST-SERB-CRG	Rangasamy,L., Dr. (M) Associate Professor Vellore Institute of Technology University Tiruvalam Road, Katpadi Vellore - 632 014 Tamil Nadu	36.05	36
798	Localized therapeutic delivery systems based on water insoluble thixotropic hydrogels of small peptides for breast cancer treatment	DST-SERB-CRG	Das,D., Prof. (M) Associate Professor Indian Institute of Technology (Guwahati) Surjyamukhi Road, North Amingaon Guwahati - 781 039 Assam	52.36	36
799	Making sodium the new lithium: Stabilizing oxygen redox in high-energy sodium-ion batteries through accelerating materials discovery	DST-SERB-CRG	Dixit,M., Dr. (M) Assistant Professor Lovely Professional University Jalandhar-Delhi Grand Trunk Road Phagwara - 144 402 Punjab	24.90	36
800	Md simulation studies along with experimental verification of the action of polyphenols on the species in the aggregation pathway of folded & natively unfolded proteins	DST-SERB-CRG	Deep,S., Dr. (M) Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	45.85	36
801	Mechanistic & energetic aspects of fast heterogeneous atmospheric reactions on water & ice surfaces: A low temperature Ir spectroscopic investigation	DST-SERB-CRG	Bandyopadhyay,B., Dr. (M) Assistant Professor Malaviya National Institute of Technology (Jaipur) Jawaharlal Nehru Marg, Malviya Nagar Jaipur - 302 017 Rajasthan	49.23	36
802	Metal complexes of macrocyclic/arcyclic ligands as T1 & paracet-based contrast agents for Mri	DST-SERB-CRG	Singh,A.K., Dr. (M) Assistant Professor Indian Institute of Technology (Bhubaneswar) Arugul, Jatni Bhubaneswar - 752 050 Odisha	27.17	36
803	Modulation of intra-and- inter-molecular weak N -> $\pi^*$ non-covalent interaction using gas-phase laser spectroscopy	DST-SERB-CRG	Das,A., Prof. (M) Indian Institute of Science Education & Research (Pune) Dr. Homi Bhabha Road, Pashan Pune - 411 008 Maharashtra	68.30	36
804	Mofs@ graphene hybrid smart textured nanofibers for flexible energy storage devices	DST-SERB-CRG	Shaikh,M., Dr. (M) Associate Professor Indian Institute of Technology (Indore) Khandwa Road, Simrol Indore - 452 020 Madhya Pradesh	46.31	36
805	Molecular & supramolecular approaches to enhance the open-circuit potential (Voc) & short-circuit current (Jsc) of dye-sensitized solar cell device	DST-SERB-CRG	Nithyanandhan,J., Dr. (M) Principal Scientist CSIR-National Chemical Laboratory Dr. Homi Bhabha Road, Pashan Pune - 411 008 Maharashtra	39.66	36
806	Molecular recognition & stimuli-responsive nano-structured material for organelle specific imaging & drug release	DST-SERB-CRG	Das,A., Prof. (M) Indian Institute of Science Education & Research (Kolkata) Mohanpur - 741 246 West Bengal	61.75	36

BROAD SUBJECT AREA : CHEMICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
807	Multifunctional ylides yielding novel masked synthons in construction of privileged heterocyclic scaffolds: A rational integration with target-based anticancer drug discovery	DST-SERB-CRG	Guchhait,S.K., Dr. (M) Associate Professor National Institute of Pharmaceutical Education & Research S.A.S. Nagar, Sector 67 Mohali - 160 062 Punjab	41.40	36
808	Multiscale (Qm/Mm) modelling approach to understand the bacterial resistance towards beta-lactam based antibiotics	DST-SERB-CRG	Samanta,K., Dr. (M) Assistant Professor Indian Institute of Technology (Bhubaneswar) Arugul, Jatni Bhubaneswar - 752 050 Odisha	18.26	36
809	Nanomechanical response in organic crystals: Molecular basis of mechanically induced structural transformations	DST-SERB-CRG	Varughese,S., Dr. (M) Senior Scientist CSIR-National Institute for Interdisciplinary Science & Technology P.O. Industrial Estate, Pappanamcode Thiruvananthapuram - 695 019 Kerala	37.37	36
810	Natural clay-plasma catalyzed hydrogenation of carbon-dioxide for methanol production under ambient conditions	DST-SERB-CRG	Sharma,R.K., Dr. (M) Associate Professor & Dean Indian Institute of Technology (Jodhpur) NH 65, Supura Bypass Road, Karwar Jodhpur - 342 001 Rajasthan	28.73	36
811	New Pnp ligands & complexes from prebiotically relevant reactions: Bioinspired sequestration & activation of environmentally detrimental small molecules	DST-SERB-CRG	Angamuthu,R., Dr. (M) Associate Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	65.67	36
812	New synthetic methodologies & its applications for total synthesis of bioactive compounds	DST-SERB-CRG	Pandey,S.K., Dr. (M) Associate Professor Banaras Hindu University Pandit Madan Mohan Malviya Road Varanasi - 221 005 Uttar Pradesh	52.36	36
813	Non-aqueous bio-catalytic solvents & composites based on protein-polymer surfactant conjugates	DST-SERB-CRG	Sharma,K.P., Dr. (M) Associate Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	46.35	36
814	Optimizing plasmonic catalyst design for driving specific photocatalytic redox reactions	DST-SERB-CRG	Khatua,S., Dr. (M) Associate Professor Indian Institute of Technology (Gandhinagar) Palaj Gandhinagar - 382 355 Gujarat	41.51	36
815	Organo-photoredox catalysis for visible light-driven synthesis of natural/synthetic medicinal molecules	DST-SERB-CRG	Rastogi,N., Dr. (F) Senior Scientist CSIR-Central Drug Research Institute Sector 10, Jankipuram Extension, Sitapur Road Lucknow - 226 002 Uttar Pradesh	49.22	36
816	Photoinduced cascade process & remote functionalization for the synthesis of privileged heterocycles, natural products & late stage functionalization of drugs & bioactive molecules	DST-SERB-CRG	Banerjee,B., Dr. (M) Assistant Professor Central University of Punjab D-13, Civil Station Bhatinda - 151 401 Punjab	38.14	36
817	Phytochemical investigation of selected edible & non-edible crotonaria Spp plants for pterocarpanoids to tackle nonsocomial infections	DST-SERB-CRG	Sivasubramanian,A., Dr. (M) Sr. Assistant Professor SASTRA University Thirumalaisudram Thanjavur - 613 401 Tamil Nadu	22.81	36
818	Phytochemical investigation of Ziziphus mauritiana Lam. & Cassia auriculata L. in search of potent bioactive lead	DST-SERB-CRG	Yadav,D.K., Dr. (M) Assistant Professor Mohanlal Sukhadia University Ganeshpura Udaipur - 313 001 Rajasthan	42.54	36

BROAD SUBJECT AREA : CHEMICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
819	Prediction of Mexb efflux inhibitors: A combined molecular dynamics simulations & machine learning approach	DST-SERB-CRG	Patra,N., Dr. (M) Assistant Professor Indian Institute of Technology (Dhanbad) Sardar Patel Nagar Dhanbad - 826 004 Jharkhand	23.47	36
820	Preparation of Transition metal dichalcogenides (Tmd) based Qds & their photocatalytic applications	DST-SERB-CRG	De,M., Dr. (M) Assistant Professor Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	36.41	36
821	Probing interfacial device dynamics in highly efficient copper electrolyte based dye-sensitized solar cell for indoor photovoltaics	DST-SERB-CRG	Soman,S., Dr. (M) Scientist CSIR-National Institute for Interdisciplinary Science & Technology P.O. Industrial Estate< Pappanamcode Thiruvananthapuram - 695 019 Kerala	29.67	36
822	Probing the role of dual-membrane cell wall in gram-negative bacterial survival & drug-resistance development under stressful conditions using nonlinear spectroscopy	DST-SERB-CRG	Chandra,M., Dr. (M) Associate Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	54.16	36
823	Quest for mechanistic insights into plasmon enhanced photoluminescence & exciton dynamics in exotic nanoparticles & nanoconjugates	DST-SERB-CRG	Datta,A., Dr. (M) Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	60.83	36
824	Rational design, synthesis & characterization of optically active monomers & dimers capable of exhibiting technologically significant liquid crystal phases	DST-SERB-CRG	Yelamaggad,C.V., Dr. (M) Scientist Centre for Nano & Soft Matter Sciences P.B. No. 1329, Jalahalli Bengaluru - 560 013 Karnataka	30.28	36
825	Rechargeable zinc-ion batteries with specially designed cell configurations for long cycle life & good reversibility	DST-SERB-CRG	Melepurath,D., Dr. (F) Professor Indian Institute of Technology (Hyderabad) Kandi Village Sangareddy - 502 285 Telangana	40.73	36
826	Removal of lead toxicity from Halide perovskite nanocrystals in ambient condition	DST-SERB-CRG	Kar,P., Dr. (M) Associate Professor Indian Institute of Technology (Roorkee ) Roorkee-Haridwar Highway Roorkee - 247 667 Uttarakhand	31.02	36
827	Resolving the catalytic hotspots of synthesized hybrid nanocatalysts at single turn-over resolution	DST-SERB-CRG	Panda,D., Dr. (M) Assistant Professor Rajiv Gandhi Institute of Petroleum Technology Doorbhash Nagar, Ratapur Chowk Rae Bareilly - 229 001 Uttar Pradesh	32.27	36
828	Response of diverse protein states to thermodynamic extremes: Computational investigations of the pressure-temperature stability	DST-SERB-CRG	Sengupta,N., Dr. (F) Associate Professor Indian Institute of Science Education & Research (Kolkata) Mohanpur - 741 252 West Bengal	28.41	36
829	Reversible hydrogen storage using liquid organic-hydrogen carriers	DST-SERB-CRG	Jagirdar,B.R., Prof. (M) Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	40.59	36
830	Role of carrier-phonon dynamics in determining thermoelectric properties	DST-SERB-CRG	Mandal,P.K., Dr. (M) Associate Professor Indian Institute of Science Education & Research (Pune) Dr. Homi Bhabha Road, Pashan Pune - 411 008 Maharashtra	52.80	36

BROAD SUBJECT AREA : CHEMICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
831	Role of pore size, metal ions & kinetics investigation in metal oxide based nanomesh for water oxidation	DST-SERB-CRG	Paul,A., Dr. (M) Associate Professor Indian Institute of Science Education & Research (Bhopal) Bypass Road, Bhauri Bhopal - 462 066 Madhya Pradesh	31.34	36
832	Small molecular-mediated targeting of powerhouse in cancer for next-generation chemo-photo-therapy	DST-SERB-CRG	Basu,S., Dr. (M) Associate Professor Indian Institute of Technology (Gandhinagar) Palaj Gandhinagar - 382 355 Gujarat	52.51	36
833	Stereoelectronically tunable Nhc ligand supported base metal complexes: Catalytic applications in CO <sub>2</sub> reduction & C-X bond formations/functionalizations	DST-SERB-CRG	Rit,A., Dr. (M) Assistant Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	56.30	36
834	Stereoselective total synthesis of Atisan based diterpenoids "Antiquorpenes" & "Serofendic acids" using a biomimetic polyene cyclization	DST-SERB-CRG	Goreti,R., Dr. (M) Assistant Professor Indian Institute of Science Education & Research (Trivandrum) College of Engineering Campus, Computer Science Building Thiruvananthapuram - 695 551 Kerala	37.51	36
835	Studies on the chemical synthesis of peptidomimetics: Selenopeptidomimetics, selenoxopeptides, sulfamide peptidomimetics, sulfonyl guanidinopeptidomimetics, acylureidopeptidomimetics & imidazole tethered peptidomimetics using Mcr strategy	DST-SERB-CRG	Sureshababu,V.V., Dr. (M) Professor Bangalore University Mysore Road, Jnana Bharathi Bengaluru - 560 056 Karnataka	37.84	36
836	Super resolution probing of dynamic host guest interactions in live cell	DST-SERB-CRG	Agasti,S.S., Dr. (M) Fellow Jawaharlal Nehru Centre for Advanced Scientific Research Rachenahalli Lake Road, Jakkur Bengaluru - 560 064 Karnataka	50.85	36
837	Supramolecular polymers of Amobipolar n-systems for organic ferroelectrics	DST-SERB-CRG	Ghosh,S., Prof. (M) Indian Association for the Cultivation of Science 2a & 2b, Raja S.C. Millick Road Kolkata - 700 032 West Bengal	50.48	36
838	Synthesis & biological evaluation of Calothrixin A & B analogs	DST-SERB-CRG	Mohanakrishnan,A.K., Prof. (M) Head Madras University Chepauk Campus, Triplicane Chennai - 600 005 Tamil Nadu	47.22	36
839	Synthesis & C-H bond functionalization of N-heterocycles employing novel pincer-type complexes of late transition metals	DST-SERB-CRG	Kumar,A., Dr. (M) Professor Birla Institute of Technology & Science (Pilani ) Vidya Vihar Pilani - 333 031 Rajasthan	36.56	36
840	Synthesis & studies of novel polyaromatic hydrocarbons/heterocycles embedded porphyrinoids	DST-SERB-CRG	Mangalampalli,R., Prof. (M) Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	35.41	36
841	Synthesis of a novel lipid-linked Oligosaccharide & its evaluation as vaccine adjuvant	DST-SERB-CRG	Lankalapalli,R.S., Dr. (M) Senior Scientist CSIR-National Institute for Interdisciplinary Science & Technology Post Industrial Estate, Pappanamcode Thiruvananthapuram - 695 019 Kerala	48.52	36
842	Synthesis of Cobalt-nitrosyl complexes having (Cono) <sub>9</sub> configuration as a source of nitroxyl/Hno	DST-SERB-CRG	Mondal,B., Dr. (M) Associate Professor Indian Institute of Technology (Guwahati) Surjyamukhi Road, North Amingaon Guwahati - 781 039 Assam	43.56	36

BROAD SUBJECT AREA : CHEMICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
843	Synthesis of functional DNA comprising aminotropnyl 2'-Deoxyuridine analogues for cross-linking with peptides	DST-SERB-CRG	Sharma,N.K., Dr. (M) Associate Professor National Institute of Science Education & Research Tehsildar Officer, Khurda, Jatni Bhubaneswar - 752 050 Odisha	47.45	36
844	Synthesis of Homo, Di & Tri (Aba type) block co-polymers of less activated monomers by reversible deactivation radical polymerization	DST-SERB-CRG	Kari,V., Dr. (M) Associate Professor Indian Institute of Technology (Bhubaneswar) Arugul, Jatni Bhubaneswar - 752 050 Odisha	30.69	36
845	Synthesis of novel molecular scaffolds from Phthalides & conjugated alkenes via Hauser-Kraus & non-Hauser-Kraus pathways	DST-SERB-CRG	Namboothiri,I.N., Prof. (M) Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	57.76	36
846	Synthesis of P3ht based conjugated block copolymer or their organic/inorganic hybrid using simple methodology for low voltage ambipolar field effect transistor applications	DST-SERB-CRG	Kuila,B.K., Dr. (M) Associate Professor Banaras Hindu University Pandit Madan Mohan Malviya Road Varanasi - 221 005 Uttar Pradesh	46.97	36
847	Synthesis of $\Pi$ -extended corroles, chlorins & porphyrins for anion sensing, catalysis, nonlinear optical & solar cell applications	DST-SERB-CRG	Sankar,M., Dr. (M) Associate Professor Indian Institute of Technology (Roorkee ) Roorkee-Haridwar Highway Roorkee - 247 667 Uttarakhand	45.91	36
848	Synthesis, crystal structures, magnetic & transport properties of the ternary intermetallic phases in Mn-Zn-X (X=Ni,Co,Fe) system	DST-SERB-CRG	Jana,P.P., Dr. (M) Assistant Professor Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	26.61	36
849	Synthetic exploration of Aza-Oxyallyl cation for rapid access to bio-relevant fluorinated scaffolds & their biological evaluation	DST-SERB-CRG	Singh,R., Dr. (M) Assistant Professor Central University of Rajasthan NH 8, Bandar Sindri Ajmer - 305 817 Rajasthan	54.71	36
850	Tandem reactions utilizing nitrogen ylides: Unified approach for asymmetric synthesis of diverse heterocycles	DST-SERB-CRG	Rana,N.K., Dr. (M) Assistant Professor Indian Institute of Technology (Jodhpur) NH 65, Surpura Bypass Road, Karwar Jodhpur - 342 001 Rajasthan	58.49	36
851	Tethered Cp# ligands & their metalation studies, catalytic applications	DST-SERB-CRG	Sundararaju,B., Dr. (M) Associate Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	43.01	36
852	The fate of nitrous oxide in the atmosphere: A computational study	DST-SERB-CRG	Kumar,P., Dr. (M) Assistant Professor Malaviya National Institute of Technology (Jaipur) Jawaharlal Nehru Marg, Malviya Nagar Jaipur - 302 017 Rajasthan	35.98	36
853	Theoretical & experimental study of intermediate band solar cell having potential for alternative source of energy	DST-SERB-CRG	Chakraborty,T., Dr. (M) Associate Professor Sharda University Plot No. 32, 34, Knowledge Park III Greater Noida - 201 310 Uttar Pradesh	44.66	36
854	Transition metal catalyzed C-C bond forming reaction using Geminal Bis (Pinacolboronate)	DST-SERB-CRG	Panda,S., Dr. (M) Assistant Professor Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	48.07	36
855	Transition metal free one-pot tandem synthesis of medicinally relevant N-heterocycles using DmsO as carbon source	DST-SERB-CRG	Tiwari,D.K., Dr. (M) Assistant Professor Centre of Biomedical Research Raebareli Road Lucknow - 226 014 Uttar Pradesh	44.53	36

BROAD SUBJECT AREA : CHEMICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
856	Triazine-based janus nucleobase amino acids & peptides capable of bifacial recognition: Synthesis & structural investigations	DST-SERB-CRG	Sanjayan,G.J., Prof. (M) Sr. Principal Scientist CSIR-National Chemical Laboratory Department of Chemistry, Dr. Homi Bhabha Road, Pashan Pune - 411 008 Maharashtra	38.60	36
857	Tuning metal oxide clusters for selective catalytic hydrogenation of Co <sub>2</sub> to organic acids using quantum chemical methods	DST-SERB-CRG	Deka,R.C., Dr. (M) Professor Tezpur University Napaam Tangla - 784 028 Assam	29.48	36
858	Tuning the performance of Fe metal anode for energy storage applications	DST-SERB-CRG	Dixon,D., Dr. (M) Fellow CSIR-Central Electronics Engineering Research Institute College Road Karaikudi - 630 003 Tamil Nadu	22.79	36
859	Tuning the self-assembly of collagen via interplay of intermolecular forces: Implicating structural organization on functional performance	DST-SERB-CRG	Fathima,N.N., Dr. (F) Sr. Principal Scientist CSIR-Central Leather Research Institute Sardar Patel Road, Adyar Chennai - 600 020 Tamil Nadu	26.50	36
860	Ultracold molecules & controlled chemistry by machine learning	DST-SERB-CRG	Dhilipkumar,T., Dr. (M) Associate Professor Indian Institute of Technology (Ropar) Nangal Road, Hussainpur Rupnagar - 140 001 Punjab	27.80	36
861	Ultra-fast charge migration & photoinization times in molecules	DST-SERB-CRG	Harbola,U., Dr. (M) Associate Professor Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	39.59	36
862	Unique fluorescent nanodots as a marker to ease the method of correlative super resolution microscopy	DST-SERB-CRG	Nandi,C.K., Prof. (M) Associate Professor Indian Institute of Technology (Mandi) Kamand, Tehsil Saddar, Parashar Road Mandi - 175 005 Himachal Pradesh	66.92	36
863	Unique mild processes based on catalytic transfer hydrogenolysis/ hydrogenation & photocatalysis for lignin valorization: Eliminating the use of high temperatures & non-renewable H <sub>2</sub>	DST-SERB-CRG	Srivastava,R., Dr. (M) Associate Professor Indian Institute of Technology (Ropar) Nangal Road, Hussainpur Rupnagar - 140 001 Punjab	46.61	36
864	Unraveling the conformational changes during photocyclization of O-Arenes by femtosecond time-resolved circular dichroism	DST-SERB-CRG	Lakshmana,Y.A., Dr. (M) Assistant Professor Indian Institute of Science Education & Research (Bhopal) Indore By-Pass Road, Bhauri Bhopal - 462 066 Madhya Pradesh	76.01	36
865	Chemo-enzymatic synthesis of pharmaceutically important enantiopure aryloxypropanolamine molecules from single chiral intermediate	DST-SERB-EMEQ	Banoth,L., Dr. (M) Scientist CSIR-Indian Institute of Chemical Technology Uppal Road, Tarnaka Hyderabad - 500 007 Telangana	37.94	36
866	Design & synthesis of coordination driven smart functional molecules & their bio-mimetic & electrocatalytic aspects in Hydrogen evolution reaction (Her)	DST-SERB-EMEQ	Biswas,B., Dr. (M) Professor North Bengal University Raja Ram Mohanpur Darjeeling - 734 013 West Bengal	47.05	36
867	Design & synthesis of nitrogen-rich compounds with fine tuned properties for high energy material applications: Characterization & performance study	DST-SERB-EMEQ	Dharavath,S., Dr. (M) Assistant Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	49.60	36



BROAD SUBJECT AREA : CHEMICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
868	Design & synthesis of pincer type Nen (E=Se, Te) chalcogenaaza macrocycles & their complexes with transition metals (D7-D10)	DST-SERB-EMEQ	Prasad,P.R., Dr. (F) Assistant Professor Banaras Hindu University Pandit Madan Mohan Malaviya Road Varanasi - 221 005 Uttar Pradesh	46.26	36
869	Developing enantioselective carbon-heteroatom bond formations employing visible light	DST-SERB-EMEQ	Sarkar,D., Dr. (M) Associate Professor National Institute of Technology (Rourkela) Sector 1 Rourkela - 769 008 Odisha	43.73	36
870	Development of microporous materials as heterogeneous catalysts for photocatalytic & electrocatalytic conversion of CO <sup>2</sup>	DST-SERB-EMEQ	Bhunia,A., Dr. (M) Assistant Professor Jadavpur University 188, Raja S.C. Mullick Road, Jadavpur Kolkata - 700 032 West Bengal	33.66	36
871	Development of nanoporous carbon nitride aerogel electrocatalyst for production of solar fuel (H <sub>2</sub> ) from water	DST-SERB-EMEQ	Sarawade,P.B., Dr. (M) Assistant Professor Mumbai University Vidya Nagari, Kalina Mumbai - 400 098 Maharashtra	40.26	36
872	Development of new gold-catalyzed reactive intermediates for generation of privileged molecular scaffolds	DST-SERB-EMEQ	Karunakar,G.V., Dr. (M) Senior Scientist CSIR-Indian Institute of Chemical Technology Uppal Road, Tarnaka Hyderabad - 500 007 Telangana	44.58	36
873	Electro-spun 1d highly porous metal oxides/oxo-sulphides & their nanocomposites with polymer derived carbon embedded textile fabrics for flexible supercapacitor applications	DST-SERB-EMEQ	Ingole,P.P., Dr. (M) Associate Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	43.62	36
874	Fight to microbial drug resistance gram-positive staphylococcus aureus pathogen through antibiotic & inhibitor combined nano-therapy	DST-SERB-EMEQ	Rajan,M., Dr. (M) Assistant Professor Madurai Kamaraj University Palkalai Nagar Madurai - 625 021 Tamil Nadu	41.63	36
875	Human toll-like receptor 2-selective agonists: Design, synthesis & structure-activity relationship in diverse heterocyclic scaffolds	DST-SERB-EMEQ	Banothu,J., Dr. (M) Assistant Professor National Institute of Technology (Calicut) Mukkam Road, Kattangal Kozhikode - 673 601 Kerala	47.35	36
876	Magnetically retrievable polyoxometalate ionic salts for microplastic extraction & plastics chemical recycling	DST-SERB-EMEQ	Kamble,S.B., Dr. (M) Scientist CSIR-Central Salt & Marine Chemicals Research Institute Gijubhai Badheka Marg Bhavnagar - 364 002 Gujarat	41.77	36
877	Main-group organometallic complexes based molecular materials for applications in molecular electronics	DST-SERB-EMEQ	Metre,R.K., Dr. (M) Assistant Professor Indian Institute of Technology (Jodhpur) NH 65, Surpura Bypass Road, Karwar Jodhpur - 342 030 Rajasthan	36.83	36
878	New approaches to asymmetric formal homonazarov cyclization & application to the total synthesis of propolisbenzofuran B & Phytochemical natural products	DST-SERB-EMEQ	Subramanian,P., Dr. (M) Assistant Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	49.60	36
879	Organic high efficient biluminescent materials for data security applications	DST-SERB-EMEQ	Ray,D., Dr. (M) Associate Professor Shiv Nadar University Village Chithera, Tehsil Dadri Noida - 201 314 Uttar Pradesh	40.43	36
880	Rational self-assembly of nanoparticles on molecularly tailored substrate: Theory & experiments	DST-SERB-EMEQ	Meena,S.K., Dr. (M) Scientist CSIR-National Chemical Laboratory Dr. Homi Bhabha Road, Pashan Pune - 411 008 Maharashtra	38.65	36

BROAD SUBJECT AREA : CHEMICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
881	Role of soft interactions in protein association reactions in crowded environment	DST-SERB-EMEQ	Biswas,M., Dr. (M) Assistant Professor National Institute of Technology (Rourkela) Sector 1 Rourkela - 769 008 Odisha	25.92	36
882	Screening & formulation of commercially available Antiviral drugs (Avds) using choline-based ionic liquids against Sars-Cov2 infection	DST-SERB-EMEQ	Patel,R., Dr. (M) Associate Professor Jamia Millia Islamia Jamia Nagar New Delhi - 110 025 Delhi	38.53	36
883	Xanthene derivatives as chemosensors for organo-phosphates nitro-aromatics & their bio-imaging with plant species	DST-SERB-EMEQ	Bag,B., Dr. (M) Principal Scientist CSIR-Institute of Minerals & Materials Technology Sachivalaya Marg, RRL Campus, Acharya Vihar Bhubaneswar - 751 013 Odisha	29.37	36
884	A general synthetic entry to aspidofractinine alkaloids: Synthetic studies toward asymmetric total synthesis of paucidirinine, paucidirisine, paucidurisine, kopsinic acid, 5-oxokopsinic acid & N(4)-methylkopsininate	DST-SERB-SRG	Subramanian,P., Dr. (M) Assistant Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	32.00	24
885	Architectural development of homogeneous catalytic system for ammonia synthesis from dinitrogen & dihydrogen	DST-SERB-SRG	Daw,P., Dr. (M) Assistant Professor Indian Institute of Science Education & Research (Berhampur) Government ITI Building, Engineering School Junction Berhampur - 760 010 Odisha	28.74	24
886	Capturing & real-time monitoring of dynamic instability of Tcr-Pmhc bond for probing serial engagement using single-molecule fret & biomembrane force probe in Live T cell	DST-SERB-SRG	Sasmal,D.K., Dr. (M) Assistant Professor Indian Institute of Technology (Jodhpur) NH 65, Surpura Bypass Road, Karwar Jodhpur - 342 030 Rajasthan	28.05	24
887	Computational design of non-noble metal catalysts for photocatalytic N2 activation	DST-SERB-SRG	Mondal,B., Dr. (M) Assistant Professor Indian Institute of Technology (Mandi) VPO Kamand, Tehsil Sadar, Parashar Road Mandi - 175 001 Himachal Pradesh	19.91	24
888	Computational exploration of bonding & covalency in actinide molecular complexes	DST-SERB-SRG	Singh,S.K., Dr. (M) Assistant Professor Indian Institute of Technology (Hyderabad) Kandi Village Sangareddy - 502 285 Telangana	28.09	24
889	Design & applications of donor-acceptor Sulfoxonium ylide derived carbenoids	DST-SERB-SRG	Vaitla,J., Dr. (M) Assistant Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	33.10	24
890	Design & synthesis approach of covalent organic frameworks for electro-catalysis reaction in fuel cells	DST-SERB-SRG	Panda,T.K., Dr. (M) Assistant Professor Vellore Institute of Technology University Tiruvalam Road, Katpadi Vellore - 632 014 Tamil Nadu	20.24	24
891	Design & synthesis of novel single-atom catalysts for C-C bond cleavage & C-C bond formation reactions	DST-SERB-SRG	Dey,R., Dr. (M) Assistant Professor National Institute of Technology (Calicut) Mukkam Road, Kattangal Kozhikode - 673 601 Kerala	27.46	24
892	Design of chiral self-sorting & stimuli-responsive dynamic chiral cages & host-guest chemistry	DST-SERB-SRG	De,S., Dr. (M) Assistant Professor Indian Institute of Science Education & Research (Trivandrum) Computer Science Building, College of Engineering Thiruvananthapuram - 695 001 Kerala	22.92	24

BROAD SUBJECT AREA : CHEMICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
893	Design, synthesis & applications of photo-switchable soild-state optical materials	DST-SERB-SRG	Panda,M.K., Dr. (M) Assistant Professor Jadavpur University 188, Raja S.C. Mullick Road, Jadavpur Kolkata - 700 092 West Bengal	27.61	24
894	Designing functional microgels based agrochemical delivery systems with moisture preservation	DST-SERB-SRG	Agrawal,G., Dr. (F) Assistant Professor Indian Institute of Technology (Mandi) VPO Kamand, Tehsil Sadar, Parashar Road Mandi - 175 001 Himachal Pradesh	24.31	24
895	Designing of artificial photosynthesis catalyst for alternative future fuels	DST-SERB-SRG	Singh,W.M., Dr. (M) Assistant Professor G.P. Women's College Central Jail Road, Keishamthong Imphal - 795 001 Manipur	30.41	24
896	Development & implementation of vibrational coupled cluster method in reduced dimension	DST-SERB-SRG	Banik,S., Dr. (M) Assistant Professor SASTRA University Thirumalaisamudram Thanjavur - 613 401 Tamil Nadu	24.42	24
897	Development fo asymmetric Michael-Ene cyclization of 1,7-Dienes & total synthesis of llicicolin H & Hirsutine	DST-SERB-SRG	Pulukuri,K., Dr. (M) Assistant Professor Indian Institute of Science Education & Research (Tirupati) Karakambadi Road, Rami Reddy Nagar, Mangalam Tirupati - 517 507 Andhra Pradesh	25.00	24
898	Development of heterogeneous catalysts for indirect CO <sup>2</sup> hydrogenation into renewable Ch <sup>2</sup> Oh in a continuous cascade process	DST-SERB-SRG	Konwar,L.J., Dr. (M) Scientist CSIR-Central Salt & Marine Chemicals Research Institute Gijubhai Badheka Marg Bhavnagar - 364 002 Gujarat	29.34	24
899	Development of industrial catalyst for selective production of xylene from bio-derived glycerol	DST-SERB-SRG	Arumugam,S., Dr. (M) Scientist CSIR-Indian Institute of Petroleum Mohkampur Dehradun - 248 005 Uttarakhand	18.40	24
900	Development of Imine reductase based biocatalytic technology for the synthesis of chiral amines & amino acids for diverse industrial applications	DST-SERB-SRG	Srivastava,K.R., Dr. (M) Assistant Professor Regional Centre for Biotechnology 3rd Milestone, Faridabad-Gurgaon Expressway Faridabad - 121 001 Haryana	23.25	24
901	Development of mechano-responsive polymers & their usage for force-initiated polymerization reactions	DST-SERB-SRG	Mohapatra,H., Dr. (M) Assistant Professor Grade I Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	24.59	24
902	Development of next generation peptide nucleic acid nucleobases for enhanced antisense therapy	DST-SERB-SRG	Manna,A., Dr. (M) Assistant Professor Banaras Hindu University Pandit Madan Mohan Malaviya Road Varanasi - 221 005 Uttar Pradesh	30.11	24
903	Development of novel bifunctional iron catalysts for effective CO <sub>2</sub> valorisation techniques: By virtue of metal-ligand cooperation	DST-SERB-SRG	Ghatak,T., Dr. (M) Assistant Professor Vellore Institute of Technology University Tiruvalam Road, Katpadi Vellore - 632 014 Tamil Nadu	29.55	24
904	Development of palladium-catalyzed triple cascade for the synthesis of tetracyclic core of apocynaceae family of indole alkaloids: Combined experimental & computational based mechanistic study & structure activity relationship study	DST-SERB-SRG	Kapat,A., Dr. (M) Assistant Professor Shiv Nadar University Village Chithera, Tehsil Dadri Greater Noida - 201 314 Uttar Pradesh	26.43	24

BROAD SUBJECT AREA : CHEMICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
905	Development of theoretical descriptors for rational design of single-atom catalysts for CO <sub>2</sub> hydrogenation using first principle simulations	DST-SERB-SRG	Dar,M.A., Dr. (M) Assistant Professor Islamic University of Science & Technology Awantipora Pulwama - 192 122 Jammu & Kashmir	24.20	24
906	Development Polymers of intrinsic microporosity (Pims) as solid matrix for separations of hydrocarbons	DST-SERB-SRG	Seth,S., Dr. (F) Assistant Professor Tezpur University Department of Chemistry, Napaam Tezpur - 784 028 Assam	26.55	24
907	Dinitrogen fixation by heterobimetallic complexes under visible light for the access of organonitrogen compounds as potential biological targets	DST-SERB-SRG	Guru,M.M., Dr. (M) Assistant Professor National Institute of Pharmaceutical Education & Research 4, Raja S.C. Mullick Road, Jadavpur Kolkata - 700 054 West Bengal	24.86	24
908	Discovery of potent natural analogues to overcome off-target toxicity of RNA: An integrated machine learning & chemoinformatics approach	DST-SERB-SRG	Ramakrishnan,P., Dr. (M) Principal Scientist CSIR-Indian Institute of Toxicology Research Mahatma Gandhi Marg, Post Box No. 80 Lucknow - 226 001 Uttar Pradesh	14.54	24
909	Dual functional & band-gap tunable visible-active semiconductors as hosts for single atom catalysts: Co-production of solar fuels & value added chemicals with high selectivity	DST-SERB-SRG	Vankayala,K., Dr. (M) Assistant Professor Birla Institute of Technology & Science (Pilani ) K.K. Birla Campus, NH 17b, Bypass Road, Sancoale Zuarinagar - 403 001 Goa	29.19	24
910	Dual transition metal catalysis for C-C & C-heteroatom bond forming reactions: Sustainable approaches to the synthesis of biologically relevant heterocycles	DST-SERB-SRG	Adak,L., Dr. (M) Assistant Professor Indian Institute of Engineering Science & Technology Botanic Garden Howrah - 711 103 West Bengal	24.75	24
911	Efficient spin polarised capabilities & ultrafast carrier dynamics of chiral quantum dot doped biopolymer: Application towards the spintronic optoelectronic devices	DST-SERB-SRG	Mondal,S., Dr. (M) Assistant Professor Institute of Chemical Technology Nathalal Parekh Marg, Matunga Mumbai - 400 019 Maharashtra	30.14	24
912	Electricity induced C-H functionalization & C-C/C-X bond formations to access valuable heterocycles & natural products	DST-SERB-SRG	Sharma,S., Dr. (M) Assistant Professor Mohanlal Sukhadia University Ganeshpura Udaipur - 313 001 Rajasthan	30.80	24
913	Enantioselective desymmetrization of cyclopentendione via (4+2) cycloaddition: Synthesis of highly functionalized alkaloid & terpenoids' core structure	DST-SERB-SRG	Das,T., Dr. (M) Assistant Professor National Institute of Technology (Jamshedpur) Adityapur Jamshedpur - 831 014 Jharkhand	23.93	24
914	Exploring novel nucleoside analogues to probe the key protein-DNA interactions using spectroscopic tools	DST-SERB-SRG	Gavvala,K., Dr. (M) Assistant Professor Indian Institute of Technology (Hyderabad) Kandi Village Sangareddy - 502 285 Telangana	27.61	24
915	Exploring the explicit influence of chirality on non-covalent synthesis	DST-SERB-SRG	Kulkarni,C., Dr. (M) Assistant Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	21.01	24
916	High valent emissive Ni(III/IV) complexes for organic transformations & photoredox catalysis	DST-SERB-SRG	Pal,A.K., Dr. (M) Assistant Professor Grade I Indian Institute of Technology (Jammu) Nagrota Bypass Road Jammu - 181 221 Jammu & Kashmir	31.60	24
917	In silico inverse design methods for targeted self-assembly of nanoparticles	DST-SERB-SRG	Singh,R.S., Dr. (M) Assistant Professor Indian Institute of Science Education & Research (Tirupati) Karakambadi Road, Rami Reddy Nagar, Mangalam Tirupati - 517 507 Andhra Pradesh	27.60	24

BROAD SUBJECT AREA : CHEMICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
918	Investigating the role of Chelated Ion in RNA structure function	DST-SERB-SRG	Roy,S., Dr. (F) Assistant Professor Indian Institute of Science Education & Research (Kolkata) Mohanpur - 741 252 West Bengal	23.76	24
919	Investigation of two-photon absorption in nanoparticles with delayed fluorescence for nanoscale temperature measurement in biologically relevant samples	DST-SERB-SRG	Bhattacharjee,U., Dr. (M) Assistant Professor Indian Institute of Engineering Science & Technology Botanic Garden Howrah - 711 103 West Bengal	29.80	24
920	Lead-free chalcogenides & halide perovskites for optoelectronic applications	DST-SERB-SRG	Patra,B.K., Dr. (M) Scientist CSIR-Institute of Minerals & Materials Technology Bhubaneswar - 751 013 Odisha	22.92	24
921	Light induced spin-crossover in organometallic photoswitches: From first principles theory to application	DST-SERB-SRG	Mondal,P., Dr. (F) Assistant Professor Indian Institute of Science Education & Research (Tirupati) Karakambadi Road, Rami Reddy Nagar, Mangalam Tirupati - 517 507 Andhra Pradesh	18.80	24
922	Mapping of heterogeneity at sub- micrometer length-scale in organic-inorganic hybrid perovskite thin films	DST-SERB-SRG	Verma,S.D., Dr. (M) Assistant Professor Indian Institute of Science Education & Research (Bhopal) Indore By-pass Road, Bhauri Bhopal - 462 066 Madhya Pradesh	25.41	24
923	Mapping the folding/misfolding mechanism of Sod1 using single molecule fluorescence spectroscopy	DST-SERB-SRG	Senmojumdar,S., Dr. (M) Assistant Professor Indian Institute of Technology (Palakkad) Ahila Integrated Campus, District Palakkad Kozhippara - 678 557 Kerala	28.70	24
924	Mechano-switchable controlled organocatalysis in aqueous media	DST-SERB-SRG	Maity,C., Dr. (M) Assistant Professor Vellore Institute of Technology University Tiruvalam Road, Katpadi Vellore - 632 014 Tamil Nadu	25.28	24
925	Merging vinylic & allylic C-H bonds activation under single-component serial palladium catalysis: Development of Topoisomerase I (Top I)- Histone deacetylase (Hdac) dual inhibitors	DST-SERB-SRG	Kumar,D., Dr. (M) Assistant Professor National Institute of Pharmaceutical Education & Research C/o B.V. Patel Perd Centre, Someshwar Park-3, Thaltej Gandhinagar - 382 355 Gujarat	24.84	24
926	Metallaphotoredox catalysis for sustainable difluoromethylation	DST-SERB-SRG	Parthasarathy,G., Dr. (M) Assistant Professor Indian Institute of Technology (Tirupati) A Renigunta Road, Post Settipalli Tirupati - 517 506 Andhra Pradesh	28.53	24
927	Microemulsion mediated multifunction iron-oxide/ormosil nanoparticles for bioimaging & drug delivery	DST-SERB-SRG	Kumar,P., Dr. (M) Assistant Professor Central University of Himachal Pradesh P.O. Box No. 21, District Dharamashala Kangra - 176 206 Himachal Pradesh	21.16	24
928	Molecular mechanism of photo-induced channel opening of Na <sup>+</sup> pumping Rhodopsin	DST-SERB-SRG	Santra,M., Dr. (M) Assistant Professor Indian Institute of Technology (Goa) Farmagudi Ponda - 403 401 Goa	19.91	24
929	Native lipid membrane biosensor for detection of viruses at single particle level	DST-SERB-SRG	Parveen,N., Dr. (F) Assistant Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	32.01	24

BROAD SUBJECT AREA : CHEMICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
930	N-Heterocyclic carbenes supported anionic sila - & germanylidenes; synthesis & applications in homogeneous catalysis as new ancillary ligands	DST-SERB-SRG	Doddi,A., Dr. (M) Assistant Professor Indian Institute of Science Education & Research (Berhampur) Government ITI Building, Engineering School Junction Berhampur - 760 010 Odisha	25.45	24
931	Noninvasive electrochemical patch biosensor for point-of-care monitoring of skin infection	DST-SERB-SRG	Dutta,G., Dr. (M) Assistant Professor Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	22.10	24
932	Novel peptido-hyaluronates: Synthesis & evaluation as hydrogel for the treatment of head & neck cancer induced oral mucositis	DST-SERB-SRG	Sahu,B., Dr. (F) Associate Professor National Institute of Pharmaceutical Education & Research C/o B.V. Patel Perd Centre. Sarkhej, Someshwar Park-3, Thaltej Gandhinagar - 382 355 Gujarat	24.28	24
933	Organoantimony based Lewis acids: New class of stimuli responsive & phosphorescent materials	DST-SERB-SRG	George,R.K., Dr. (M) Assistant Professor Karunya Institute of Technology & Sciences Karunya Nagar Coimbatore - 641 114 Tamil Nadu	14.52	24
934	Photoinduced charge transfer & forster energy transfer dynamics in supported ionic liquid membranes	DST-SERB-SRG	Guchhait,B., Dr. (M) Assistant Professor Shiv Nadar University Village Chithera, Tehsil Dadri Greater Noida - 201 314 Uttar Pradesh	26.65	24
935	Plasmonically enhanced optical control & spectroscopic monitoring of protein functions	DST-SERB-SRG	Siddhanta,S., Dr. (M) Assistant Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	27.50	24
936	Quantitative methods for core electron spectroscopy of molecular liquids	DST-SERB-SRG	Voor,V.K., Dr. (M) Reader Tata Institute of Fundamental Research Dr. Homi Bhabha Road, Navy Nagar, Colaba Mumbai - 400 005 Maharashtra	25.11	24
937	Quantitative understanding of nano-bio interface for designing drug delivery systems for cancer in the era of artificial intelligence	DST-SERB-SRG	Mukhija,A., Dr. (F) Assistant Professor Banasthali Vidyapeeth Banasthali - 304 022 Rajasthan	29.29	24
938	Quantum chemical design of high efficiency sensitized semiconductor solar cells	DST-SERB-SRG	Agnihotri,N., Dr. (F) Assistant Professor National Institute of Technology (Jamshedpur) Adityapur Jamshedpur - 831 014 Jharkhand	19.27	24
939	S-Block metal aromatics & antiaromatics	DST-SERB-SRG	Roy,D.K., Dr. (M) Assistant Professor Indian Institute of Technology (Indore) Khandwa Road, Simrol Indore - 453 552 Madhya Pradesh	32.26	24
940	Solution processable low cost Quantum dot solar cells (Qdsc) using electronically coupled heavy metal free, non-toxic colloidal nanocrystal ink	DST-SERB-SRG	Hazarika,A., Dr. (M) Scientist CSIR-Indian Institute of Chemical Technology Uppal Road, Tarnaka Hyderabad - 500 007 Telangana	27.89	24
941	Strategy for the synthesis of indole fused Benzothiazepines & Benzothiazines & explore their biological activity	DST-SERB-SRG	Venkatachalam,R., Dr. (M) Assistant Professor National Institute of Technology (Warangal) Warangal - 506 004 Telangana	25.00	24
942	Studies on the synergistic effect of artificial metalloenzymes with photoredox catalysis for enantioselective C-C & C-N bond formation	DST-SERB-SRG	Yadav,M.R., Dr. (M) Assistant Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	32.00	24

BROAD SUBJECT AREA : CHEMICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
943	Study on structure, folding & membrane interaction of radially amphiphilic antimicrobial peptide using state-of-the-art computer simulation techniques	DST-SERB-SRG	Bhattacharjee,N., Dr. (M) Assistant Professor University of Science & Technology Techno City, Killing Road, Baridua, 9th Mile Ri-Bhoi - 793 101 Meghalaya	28.97	24
944	Sustainable non-noble transition metal based pincer catalytic design for high-value chemical transformations	DST-SERB-SRG	Chakraborty,S., Dr. (M) Assistant Professor Indian Institute of Technology (Jodhpur) NH 65, Surpura Bypass Road, Karwar Jodhpur - 342 030 Rajasthan	29.26	24
945	Synergistic transition metal based dual molecular catalysts tethered on nano-structured support for visible-light induced organic transformations	DST-SERB-SRG	Sheet,D., Dr. (M) Assistant Professor Presidency University 86/1, College Street Kolkata - 700 073 West Bengal	27.17	24
946	Synthesis & development of amyloid-targeting multifunctional copolymers	DST-SERB-SRG	Kumar,S., Dr. (M) Assistant Professor Punjab Engineering College Sector 12 Chandigarh - 160 012 Chandigarh	19.38	24
947	Synthesis & photophysical properties of multifunctional ruthenium(ii) & osmium(ii) complexes of bi- & tridentate ligands: Visible light-harvesting & sensory applications	DST-SERB-SRG	Maji,R.C., Dr. (M) Assistant Professor Bankura University State Highway 2, Bhagabandh, Pohabagan Bankura - 722 155 West Bengal	27.39	24
948	Synthesis of 4'-C-Aminomethyl-2'-O-Methoxyethyl pyrimidines modified siRNAs & study their duplex stability, nuclease resistance & RNAi activity for potential therapeutic applications	DST-SERB-SRG	Gore,K.R., Dr. (M) Assistant Professor Grade I Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	32.66	24
949	Synthesis of anticancer drug trabectedin & related analogues	DST-SERB-SRG	Samineni,R., Dr. (M) Principal Research Scientist Dr. Reddy Institute of Life Sciences Hyderabad University, Gachibowli Hyderabad - 500 046 Telangana	25.74	24
950	Synthesis of bio-derived cyclic carbonates & polymers therefrom for biomedical applications	DST-SERB-SRG	Kiran,S., Dr. (M) Senior Scientist CSIR-National Chemical Laboratory Dr. Homi Bhabha Road, Pashan Pune - 411 008 Maharashtra	20.17	24
951	Synthesis of capsular polysaccharide structures of antibiotic resistant actinobacter baumannii strains using a chemoenzymatic derived synthon	DST-SERB-SRG	Santra,A., Dr. (M) Scientist CSIR-Indian Institute of Chemical Technology Uppal Road, Tarnaka Hyderabad - 500 007 Telangana	29.36	24
952	Synthesis of nitrogen-rich compounds for gas generator, airbag & propellant applications	DST-SERB-SRG	Dharavath,S., Dr. (M) Assistant Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	27.60	24
953	Total synthesis of calyciphyllie A-type alkaloids: A scaffold diversity approach	DST-SERB-SRG	Dhandapani,G., Dr. (M) Assistant Professor Indian Institute of Technology (Bhilai) G.E.C. Campus, Sejbahar Bhilai - 492 015 Chhattisgarh	31.87	24
954	Total synthesis of indolizinone, quinolizinone & quinazolinone based natural products via Cp*Co(iii)-Catalyzed Cascade C-H functionalization	DST-SERB-SRG	Pawar,A.B., Dr. (M) Assistant Professor Indian Institute of Technology (Mandi) VPO Kamand, Tehsil Sadar, Parashar Road Mandi - 175 005 Himachal Pradesh	30.44	24
955	Two-dimensional Mxene hetero structures for efficient electrochemical CO <sub>2</sub> reduction	DST-SERB-SRG	Kolleboyina,J., Dr. (M) Assistant Professor Indian Institute of Technology (Jammu) Nagrota Bypass Road Jammu - 181 221 Jammu & Kashmir	26.56	24

BROAD SUBJECT AREA : CHEMICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
956	Uncovering multifaceted applications of phosphorous transfer reagent	DST-SERB-SRG	Kundu,S., Dr. (M) Assistant Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	33.10	24
957	Versatile excited state dynamics of 1,3,6,8-Tetrakis (Trimethylsilylethynyl) pyrene which exhibits pet on monomer state, fret in aggregated state & white light emission from a simple mixture of monomer & aggregates	DST-SERB-SRG	Soumya,S., Dr. (F) Assistant Professor SASTRA University Department of Research, Thirumalaisamudram Thanjavur - 613 401 Tamil Nadu	25.30	24
958	Applying mobile Modular solutions to Rejuvenate the Indian landscape by Treating plastic waste (AMRITA)	DST-WMT	Gosavi,S., Prof. (M) Savitribai Phule Pune University Department of Physics, Ganeshkhind Pune - 411 007 Maharashtra	49.71	24
959	Automation of nano hydroxyapatite production from eggshell waste using continuous flow microwave reactor suitable for industrial scale production for various biomedical & industrial applications	DST-WMT	Girija,E.K., Dr. (F) Periyar University Palkalai Nagar Salem - 636 011 Tamil Nadu	183.70	36
960	Biomass mediated value addition to fertilizer industries waste	DST-WMT	Kumar,M., Dr. (M) Senior Scientist CSIR-Institute of Minerals & Materials Technology Bhubaneswar - 751 013 Odisha	105.10	36
961	Co-digestion of STP secondary sludge with organic wastes in urban/peri-urban areas: Process optimization scale up & field demonstration	DST-WMT	Mutunri,S., Dr. (M) Professor Birla Institute of Technology & Science (Pilani ) NH 17B, Bypass Road, Sancoale Zuarinagar - 403 726 Goa	5.00	6
962	Conversion of fouled end-of-life Reverse Osmosis & ultrafiltration membranes into the membranes for zero liquid discharge plants & resource recovery applications	DST-WMT	Raval,H.D., Dr. (M) CSIR-Central Salt & Marine Chemicals Research Institute Bhavnagar - 364 002 Gujarat	182.65	36
963	Conversion of urban solid waste at distributed level into value added products	DST-WMT	Sharma,A., Dr. (M) Associate Professor Manipal University Jaipur-Ajmer Express Highway, Dehmi Kalan Jaipur - 303 007 Rajasthan	82.95	36
964	Design of 2 TPD Rotary kiln gasification pilot plant with high CV syngas production	DST-WMT	Ganesh,M., Dr. (M) Karunya Institute of Technology & Sciences Coimbatore - 641 114 Tamil Nadu	612.25	36
965	Development & optimization of performance & emission characteristics CI, SI & stirling engine using hydrogen enriched bio-CNG produced from anaerobic co-digestion with food waste, tannery waste stubble waste & STP sludge	DST-WMT	Proatham,E., Dr. (M) Professor Vellore Institute of Technology University Vellore - 632 014 Tamil Nadu	5.00	6
966	Development of remunerative organic waste management systems for colder regions of India with the intervention of psychrophilic aerobic & anaerobic microbial consortia	DST-WMT	Kumar,R., Dr. (M) CSIR-Institute of Himalayan Bioresource Technology Division of Basic Science & Humanity, Faculty of Agriculture Palampur - 176 061 Himachal Pradesh	475.34	36
967	Development of valuable products from stubble waste/agricultural straw by bio-refinery approach & field trials	DST-WMT	Satyavati,B., Dr. (F) Sr. Principal Scientist CSIR-Indian Institute of Chemical Technology Uppal Road, Tarnaka Hyderabad - 500 007 Telangana	6.00	6



BROAD SUBJECT AREA : CHEMICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
968	Environment friendly recycling technology & value addition of medical waste plastics obtained from PPE kit used during Covid-19 situation - A sustainable approach towards healthy environment	DST-WMT	Mohanty,S., Dr. (F) Central Institute of Plastics Engineering & Technology T.V.K. Industrial Estate, Guindy Chennai - 600 032 Tamil Nadu	191.37	24
969	Farm waste to feedstock chemical & polyfunctional reaction dyes	DST-WMT	Patil,V., Dr. (M) KBC-North Maharashtra University Umavi Nagar Jalgaon - 425 001 Maharashtra	76.75	36
970	Grinding waste from automobile industry as sustainable construction material	DST-WMT	Geetha,S., Dr. (F) Professor Rajalakshmi Engineering College Department of Civil Engineering, Thandalam Chennai - 602 105 Tamil Nadu	48.82	36
971	Hazardous/Municipal Solid Waste (MSW) land fill leachate treatment using Advanced Oxidation Process (AOP's) coupled with electrochemical-biological techniques	DST-WMT	Himabindu,V., Dr. (M) Professor & HOD Jawaharlal Nehru Technological University Centre for Environment, Institute of Science & Technology Hyderabad - 500 085 Telangana	89.28	36
972	Hot stage engineering of copper smelter slag for recovery of iron & subsequent use of resulting slag in blended cement	DST-WMT	Nath,S.K., Dr. (M) Senior Scientist CSIR-National Metallurgical Laboratory Burma Mines Market Jamshedpur - 831 007 Jharkhand	83.91	36
973	Pilot-Scale demonstration of ICT-Poly Urja technology on vehicle mounted mobile plant to convert plastic waste into fuel	DST-WMT	Pandit,A.B., Prof. (M) Institute of Chemical Technology Nathala Parekh Marg, Matunga Mumbai - 400 019 Maharashtra	431.58	24
974	Potential application of spent microalgal biomass for eco-friendly reclamation & reuse of chromium in tanning	DST-WMT	Shashirekha,V., Dr. (F) Scientist Shri A.M.M. Murugappa Chettiar Research Centre Taramani Chennai - 600 113 Tamil Nadu	63.74	24
975	Process development for sustainable production of chemicals from biomass	DST-WMT	Srinivasu,P., Dr. (M) CSIR-Indian Institute of Chemical Technology Uppal Road, Tarnaka Hyderabad - 500 007 Telangana	166.05	36
976	Processing & development of hybrid eco friendly raw material for manufacturing indoor lightweight wall panel	DST-WMT	Suji,D., Dr. (F) P.S.G. Institute of Technology & Applied Research Coimbatore - 641 062 Tamil Nadu	53.97	36
977	Processing of waste placement tissue from maternity wards into regenerative tissue grafts for non-healing wounds & other clinical applications	DST-WMT	Poundarik,A., Dr. (M) Assistant Professor Indian Institute of Technology (Ropar) Nangal Road, Hussainpur Rupnagar - 140 001 Punjab	39.75	24
978	Production of phenolic monomers & functional polymers from agricultural waste	DST-WMT	Patankar,S.C., Dr. (M) Institute of Chemical Technology - Indian Oil Bhubaneswar - 751 013 Odisha	15.73	36
979	Recovery of value added materials from non-hazardous wastes of silkworm industries	DST-WMT	Kumar,S.V., Dr. (M) Karunya Institute of Technology & Sciences Department of Chemistry Coimbatore - 641 114 Tamil Nadu	69.47	36
980	Recycling of sugar factory ash to ceramic filters for application in sewage treatment	DST-WMT	Balakrishnan,M., Dr. (F) The Energy & Resources Institute India Habitat Centre, Lodhi Road New Delhi - 110 003 Delhi	67.31	36

BROAD SUBJECT AREA : CHEMICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
981	Scale up of technology of laboratory waste with simultaneous generation of bioenergy	DST-WMT	Bhuktar,A.S., Dr. (M) Vivekanand Arts, Sardar Dalip Singh Commerce & Science College Aurangabad - 431 001 Maharashtra	19.75	12
982	Segregation & management of laboratory wastes for resources recovery & value addition	DST-WMT	Vaidya,V., Dr. (F) Assistant Professor Dr. D.Y. Patil Biotechnology & Bioinformatics Institute Tathawade Pune - 411 033 Maharashtra	50.19	36
983	Self-sustained single step activation in situ (s-Susstains) process for activated carbon synthesis from agro residues	DST-WMT	Varunkumar,S., Dr. (M) Assistant Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	73.10	29
984	Setting up a zero discharge pilot plant to process 100 kg of PCB to recover lead, tin & copper	DST-WMT	Subramaniam,P., Dr. (M) Indian Institute of Technology (Madras) Department of Chemical Engineering Chennai - 600 036 Tamil Nadu	479.50	36
985	Solarpre-heated thermochemical conversion of municipal mixed solid waste to high quality plasto-fuels for transportation & industrial heating applications	DST-WMT	Chintala,V., Dr. (M) National Rail & Transportation Institute Vadodara - 390 004 Gujarat	2618.86	36
986	Stubble management using decentralized torrefaction systems for biochar-based fertilizers	DST-WMT	Thengane,S.K., Prof. (F) Assistant Professor Indian Institute of Technology (Roorkee ) Roorkee - 247 667 Uttarakhand	35.18	36
987	Tractor mounted integrated retrofit (MOKSH 2.0) for on-field conversion of straw to value added powder	DST-WMT	Saluja,N.K., Dr. (M) Chitkara University Rajpura - 140 401 Punjab	39.98	36
988	Utilization of black powder generated during E-waste recycling at Moradabad in making radiation shielding materials	DST-WMT	Bharti,P.K., Dr. (M) Shri Ram Institute for Industrial Research 19, University Road Delhi - 110 007 Delhi	16.06	18
989	Utilization of paddy straw for making composites	DST-WMT	Murthi,S.S., Dr. (M) Professor & Head Easwari Engineering College Bharathi Salai Chennai - 600 089 Tamil Nadu	113.63	36
990	Utilization of sludge from common effluent treatment plant for extraction of Poly Hydroxyalk Anoates (PHA)	DST-WMT	Gautam,A., Dr. (M) Shroff S.R. Rotary Institute of Chemical Technology Department of Chemical Engineering, Vataria, Ankleshwar Bharuch - 393 135 Gujarat	56.34	24
991	Value addition to agricultural waste of wheat straw, rice straw & rice husk by biochar production using intermediate pyrolysis	DST-WMT	Patel,A.R., Dr. (M) Maharaja Sayajirao University of Baroda Vadodara - 390 002 Gujarat	35.35	36
992	Accelerated carbonation of municipal solid waste & industrial by products for CO2 sequestration - Scope for climate change mitigation	DST-WOS-A	Thenepalli,T., Dr. (F) Indian Institute of Technology (Tirupati) Tirupati - 517 506 Andhra Pradesh	31.18	36
993	Anti-Proliferative & 3-D molecular modeling studies of Isolated phytochemicals from apium grave lens & evolulus alsinoides as potential inhibitor against hormone dependent breast cancer with development of targeted release phytosomes formulation	DST-WOS-A	Iyer,D., Dr. (F) M.P. Council of Science & Technology Vigyan Bhawan, Nehru Nagar Bhopal - 462 003 Madhya Pradesh	30.87	36

BROAD SUBJECT AREA : CHEMICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
994	Chemical & electrochemical synthesis of metals, polymers, metal-polymer nanocomposites using liquid/liquid, electrode/electrolyte (aqu)/electrolyte(org) interfaces their electrochemical applications	DST-WOS-A	Velpula,D., Dr. (F) Jawaharlal Nehru Technological University Institute of Science & Technology Hyderabad - 500 085 Telangana	34.45	36
995	Computational & experimental method for the development of novel gliotziness for Alzheimer disease by activating PGC 1 Alpha Signaling via Ppar Gamma	DST-WOS-A	Durai,P., Ms. (F) J.S.S. College of Pharmacy S.S. Nagar Mysore - 570 015 Karnataka	26.06	36
996	Design & development of lanthanide - MOF using 2-D grapheme like sheets as ligand for simultaneous photocatalysis and sensing application	DST-WOS-A	Gogoi,M., Dr. (F) CSIR-North East Institute of Science & Technology Jorhat - 785 006 Assam	31.19	36
997	Design & investigation of sustainable extractive fermentation coupled affinity chromatography for production & purification of ultrapure thrombolytic protease	DST-WOS-A	Muniasamy,S.R., Ms. (F) SASTRA University Thanjavur - 613 401 Tamil Nadu	24.82	36
998	Design & synthesis of heparin sulphate mimetic to target Wnt signaling pathway via immunomodulation: An active anti-cancer therapy	DST-WOS-A	Bhoge,P.R., Dr. (F) Indian Institute of Science Education & Research (Pune) Dr. Homi Bhabha Road Pune - 411 008 Maharashtra	37.05	36
999	Design & synthesis of iminosugar-base seven membered fused deazapurine nucleosides & nucleotides	DST-WOS-A	Ghosh,K., Dr. (F) Indian Institute of Technology (Mandi) Mandi - 175 001 Himachal Pradesh	30.30	36
1000	Design & synthesis of novel pincer- & tripodal-type cyclic (alkyl) (amino) carbines & their applications	DST-WOS-A	Misra,S., Dr. (F) Indian Institute of Technology (Indore) Indore - 453 552 Madhya Pradesh	27.76	36
1001	Design, synthesis & antimicrobial & anticancer evaluation of $\beta$ -Caroline derivatives bearing oxazole moiety	DST-WOS-A	Pakhare,D.S., Dr. (F) Tuljaram Chaturchand College of Arts, Science & Commerce Baramati - 413 102 Maharashtra	30.91	36
1002	Design, synthesis & bio-assay of organo phosphorus compounds	DST-WOS-A	Sarva,S., Dr. (F) Sri Venkateswara University Tirupati - 517 502 Andhra Pradesh	30.62	36
1003	Design, synthesis & biological evaluation of new small drug like $\alpha$ -glycosidase inhibitors as potential anti-diabetic oral agents	DST-WOS-A	Padmaja,P., Dr. (F) CSIR-Indian Institute of Chemical Technology Hyderabad - 500 007 Telangana	37.32	36
1004	Development of affordable anticancer therapeutic agents based on colchicine & its analogues	DST-WOS-A	Dharmabalan,S.T., Dr. (F) Central University of Haryana Mahendragarh - 123 029 Haryana	33.72	36
1005	Development of pi-conjugated supramolecular motifs as organic radical precursors & panchromatic near infrared absorbers for application in organic electronics & multifunctional biomedical imaging	DST-WOS-A	Sahana,S., Dr. (F) Jawaharlal Nehru University Aruna Asaf Ali Marg New Delhi - 110 067 Delhi	35.02	36
1006	Directing group assisted remote C-H functionalization strategy on alpha-amino acids & its application to synthesis of drugs	DST-WOS-A	Parvathaneni,S.P., Dr. (F) CSIR-Indian Institute of Chemical Technology Hyderabad - 500 007 Telangana	30.90	36

BROAD SUBJECT AREA : CHEMICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
1007	Electroorganic synthesis of some fluoroorganic/organic molecules: Development of environmentally benign methods	DST-WOS-A	Prabhakar,N.S., Dr. (F) Banaras Hindu University Varanasi - 221 005 Uttar Pradesh	31.75	36
1008	Elucidating the interactions between lectins & sugar capped nanoparticles towards the development of nanoparticle based theranostic agents	DST-WOS-A	Kenoth,R., Dr. (F) Vellore Institute of Technology University Vellore - 632 014 Tamil Nadu	32.70	36
1009	Evaluation of bioprospecting potential of naturally occurring flavonoids their derivatives & inclusion complexes with biodegradable macromolecules	DST-WOS-A	Mishra,G., Dr. (F) Agharkar Research Institute Pune - 411 004 Maharashtra	37.32	36
1010	Exploration of iridoids & isoprenoids as chemotherapeutic agents from some	DST-WOS-A	Fariha,U.U., Ms. (F) CSIR-Indian Institute of Chemical Technology Hyderabad - 500 007 Telangana	23.92	36
1011	Fabrication of carbon nanotube-metal oxides based nano-architecture as a flexible anode for lithium ion batteries	DST-WOS-A	Sharma,A., Ms. (F) CSIR-Advanced Materials & Processes Research Institute Hoshangabad Road Bhopal - 462 026 Madhya Pradesh	18.49	36
1012	Fluorescent probes incorporating Rhodamine and/or bodipy dyes: Preparation, study of photophysical properties & application as ION sensors/triplet photosensitizers for photodynamic imaging material	DST-WOS-A	Majumdar,P., Dr. (F) CSIR-Indian Institute of Chemical Technology Uppal Road, Tarnaka Hyderabad - 500 007 Telangana	37.55	36
1013	Functionalized transition metal catalysts for cross coupling reactions	DST-WOS-A	Pandurang,S., Dr. (F) Padmabhushan Dr. Vasantrodada Patil Mahavidyalaya Sangli - 416 312 Maharashtra	21.18	36
1014	Goal directed synthetic engineering & detailed electrochemical investigation of transition metal phosphide electrocatalyst & photocatalyst for hydrogen generation from water splitting	DST-WOS-A	Kalamkar,R.B., Dr. (F) Savitribai Phule Pune University Ganeshkhind Road Pune - 411 007 Maharashtra	36.14	36
1015	Investigating the bulk versus edge electrocatalytic activity for water oxidation by single layer Transition Metal Dichalcogenide Sheets (TMDS) through operando Raman-spectro electrochemistry	DST-WOS-A	Hui,P., Dr. (F) Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	31.75	36
1016	Low energy electron induced chemistry in condensed phase	DST-WOS-A	Davis,D., Dr. (F) Bhabha Atomic Research Centre Trombay Mumbai - 400 085 Maharashtra	31.97	36
1017	Nanotechnological design of the non-precious metal electrocatalysts for oxygen & hydrogen- involving energy conversion reactions for clean energy applications	DST-WOS-A	Verma,S., Dr. (F) Indian Institute of Science Education & Research (Pune) Dr. Homi Bhabha Road Pune - 411 008 Maharashtra	36.24	36
1018	Pharmaceutical co-crystals of some anticancer agents: A step towards improved medicine	DST-WOS-A	Pandit,D., Ms. (F) Panjab University Chandigarh - 160 019 Chandigarh	26.97	36

BROAD SUBJECT AREA : CHEMICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
1019	Photoredox catalysis for intramolecular vicinal Thiosulfonylation of alkynes & alkenes	DST-WOS-A	Haritha,A., Ms. (F) Osmania University University College of Science, Tarnaka Hyderabad - 500 007 Telangana	23.80	36
1020	Phytochemical investigation of traditional medicinal plants in search of bioactive constituents	DST-WOS-A	Wadhvani,B.D., Ms. (F) Mohanlal Sukhadia University Udaipur - 313 001 Rajasthan	22.88	36
1021	Preclinical evaluation of combinational topotecan & thymoquinone polymeric nano-targeted therapeutic model for colorectal cancer	DST-WOS-A	Latha,N.S.C., Ms. (F) Director CSIR-National Chemical Laboratory Dr. Homi Bhabha Road Pune - 411 008 Maharashtra	27.07	36
1022	Remediation of contaminated sites containing hydrophobic organic compounds particularly PAHs by mixed micellar soft systems	DST-WOS-A	Masrat,R., Dr. (F) National Institute of Technology (Srinagar) Hazratbal Kashmir Srinagar - 190 006 Jammu & Kashmir	33.23	36
1023	Searching of new analogues for antimalarial & anticancer agents: Design, synthesis & biological evaluation	DST-WOS-A	Pachauri,G., Dr. (F) Banaras Hindu University Varanasi - 221 005 Uttar Pradesh	29.81	36
1024	Shape control & dynamics in self-aggregation geometries from polymer - ionic liquid interactions	DST-WOS-A	Prameela,G.K.S., Dr. (F) Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	29.48	36
1025	Studies on the content of radionuclides in the soil of hill regions of Manipur	DST-WOS-A	Devi,T.P., Dr. (F) Oriental College Imphal - 795 001 Manipur	33.05	36
1026	Studies on the metal catalyzed reactions of diazo compounds towards the synthesis of biologically important heterocycles & indole alkaloids	DST-WOS-A	Mangali,R., Ms. (F) Bharathidasan University Tiruchirappalli - 620 024 Tamil Nadu	19.85	36
1027	Synthesis & optoelectronic studies of metal chalcogenides nanostructures	DST-WOS-A	Chaturvedi,J., Dr. (F) Indian Institute of Science Bengaluru - 560 012 Karnataka	36.66	36
1028	Synthesis of biologically active natural products & their analogues: Exploring their potential for biological applications	DST-WOS-A	Mudiraj,A., Dr. (F) Hyderabad University Hyderabad - 500 046 Telangana	32.12	36
1029	Total synthesis of bengamide E & analogues towards the discovery of novel anti-cancer agents	DST-WOS-A	Gupta,A., Dr. (F) Hyderabad University Hyderabad - 500 046 Telangana	35.78	36
1030	Towards understanding packing in molecular solid. An approach to establish relationship between packing & properties	DST-WOS-A	Hassan,S., Ms. (F) Kashmir University Srinagar - 190 006 Jammu & Kashmir	23.35	36
1031	Velocity map imaging of HONO	DST-WOS-A	Kawade,M.N., Dr. (F) Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	31.07	36
1032	Visible light initiated photo redox catalyzed synthesis of heterocyclic scaffolds	DST-WOS-A	Kapoor,R., Dr. (F) Allahabad University Allahabad - 211 002 Uttar Pradesh	32.74	36

BROAD SUBJECT AREA : CHEMICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1033	Development of porous titania supported lithium hydroxide for efficient capture of carbon dioxide	ISRO-RESPOND	Sureshan,K.M., Dr. (M) Associate Professor Indian Institute of Science Education & Research (Trivandrum) School of Chemistry, P.O. Maruthamal, Vithura Thiruvananthapuram - 695 551 Kerala	30.12	24
1034	Feasibility study for development of process technology to recover valuable materials from end-of life silicon solar modules	MEITY-R&D	Prasad,D.S., Dr. (M) Scientist D Centre for Materials for Electronics Technology (C-MET) Hyderabad - 500 051 Telangana	110.43	36
Total Cost of 394 Projects Under: <b>Chemical Sciences</b>				19,741.72	

## BROAD SUBJECT AREA : EARTH SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
1035	Equatorial & subtropical ionosphere thermosphere studies over the Indian region- an assessment of contemporary space weather prognostic capability for applications to the users of operational systems	CSIR-ES	Kandula,N., Dr. (M) Andhra University Department of Physics Visakhapatnam - 530 003 Andhra Pradesh	10.20	36
1036	Integrated geoscientific knowledge in revisiting & rejuvenating groundwater systems under changing scenarios	CSIR-ES	Ahmed,S., Dr. (M) CSIR-National Geophysical Research Institute Electrical Geophysics Group Hyderabad - 500 007 Telangana	10.20	36
1037	Intrapersonal to interannual variability of circulation & its impact on the Oxygen Minimum Zone (OMZ) in the Andaman Sea	CSIR-ES	Vadlamani,M.S., Dr. (M) CSIR-National Institute of Oceanography Division of Physical Oceanography Goa - 403 004 Goa	10.20	36
1038	Spatio-temporal geochemical progression & mantle heterogeneity in the Dharwar craton: Its correlation to the geochemical pathways & mineralization	CSIR-ES	Charkravadhanula,M., Dr. (F) CSIR-National Geophysical Research Institute Department of Geochemistry Hyderabad - 500 007 Telangana	10.20	36
1039	Constraining the Paleoproterozoic convergent tectonic history of the eastern Dharwar-Bastar creatonic margin: SM-ND & LU-HF geochronology of the Bhopalpatnam & Kardnagar granulite-facies rocks	CSIR-GS	Vadlamani,R., Prof. (M) Indian Institute of Technology (Kharagpur) Department of Geology & Geophysics Kharagpur - 721 302 West Bengal	18.00	36
1040	Diversity & distribution of antibiotic resistance genes in the Sundarban Mangrove Estuary: Coordination of anthropogenic & evolutionary influences	CSIR-GS	Ghosh,A., Dr. (M) Bose Institute Department of Biochemistry Kolkata - 700 054 West Bengal	15.00	36
1041	Fault-core damage zone architecture in the great boundary fault, Rajasthan, India	CSIR-GS	Srivastava,D.C., Prof. (M) Indian Institute of Technology (Roorkee ) Department of Earth Science Roorkee - 247 667 Uttarakhand	16.00	36
1042	Formation of high pressure phases in Katol & Kamargaon meteorities from India	CSIR-GS	Ghosh,S.K., Dr. (M) Indian Institute of Technology (Kharagpur) Department of Geology & Geophysics Kharagpur - 721 302 West Bengal	12.75	36
1043	Improving crop productivity by monitoring pest, disease & meteorological disasters using IOTs	CSIR-GS	Rao,D.S., Dr. (M) JNTUA College of Engineering Department of Electronics Communication Engineering Hyderabad - 500 085 Telangana	8.54	36
1044	Integrated palaeontology, biostratigraphy & sedimentology of the Cambrian successions of the Nelang Valley (Garhwal Himalaya) & Kali Valley (Kumaun Himalayan) Uttarakhand: Its regional & global correlation	CSIR-GS	Singh,B.P., Dr. (M) Panjab University Department of Geology Chandigarh - 160 014 Chandigarh	9.00	36
1045	Restoration of P-T-T Path for high-grade metasedimentary rocks from Pranhita-Godavari basin: Implication for proterozoic crusal assembly of Indian shield	CSIR-GS	Nasipuri,P., Dr. (M) Indian Institute of Science Education & Research (Bhopal) Department of Earth & Environment Science Bhopal - 462 066 Madhya Pradesh	23.00	36
1046	Tectoxic evolution of the high-grade terrains around the archaean banded gneissic complex in southern Rajasthan & their relations to proterozoic supercontinent cycles: A Petrochronological study	CSIR-GS	Saha,L., Dr. (F) Indian Institute of Technology (Roorkee ) Department of Earth Science Roorkee - 247 667 Uttarakhand	15.00	36

## BROAD SUBJECT AREA : EARTH SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
1047	A unified land surface subsurface information system for water management of a tropical basin	DST-IBC	Dhanya,C.T., Dr. (M) Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	7.73	36
1048	Comprehensive experimental & simulation study on wildfire of BRICS countries: Fire occurrence, spread & suppression	DST-IBC	Kumar,A., Dr. (M) Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	46.57	36
1049	Detection & forecasting of extreme weather event in Egypt & India using deep learning	DST-IBC	Barma,S., Dr. (M) Indian Institute of Information Technology Guwahati - 781 015 Assam	9.10	36
1050	Development & pilot implementation of dynamic strain & displacement measurements system based on fiber optic distributed line to decipher the structure and dynamics of Andaman subduction zone	DST-IBC	Ojha,M., Dr. (M) CSIR-National Geophysical Research Institute Hyderabad - 500 007 Telangana	31.89	36
1051	Dynamics of glaciers degradation due to climate change & its impacts on river flow in the mountain systems of Uzbekistan	DST-IBC	Kumar,M., Prof. (M) Indian Institute of Technology (Roorkee ) Roorkee - 247 667 Uttarakhand	18.68	36
1052	Evaluation of effect of dams & climate change on water scarcity & drought in arid & semiarid river basins of India & Uzbekistan	DST-IBC	Remesan,R., Dr. (M) Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	17.15	36
1053	India-EU water projects	DST-IBC	Rao,R., Prof. (M) Andhra University Visakhapatnam - 530 003 Andhra Pradesh	47.52	36
1054	Indo-South Korea joint network Center for Environmental cyberphysical systems	DST-IBC	Vishvakarma,S.K., Dr. (M) Indian Institute of Technology (Indore) Indore - 453 552 Madhya Pradesh	117.85	36
1055	A framework for flood mapping & to prepare an early warning system in the occurrence of flood for the northern region of Kerala	DST-NGP	Chithra,K., Dr. (F) Assistant Professor National Institute of Technology (Calicut) Department of Architecture & Planning Kozhikode - 673 601 Kerala	32.11	24
1056	Assessment of aquatic weeds in northern Indian using Remote Sensing technology	DST-NGP	Pandey,P.C., Dr. (M) Assistant Professor Shiv Nadar University Centre for Environmental Science & Engineering, Gautam Budha Nagar, Dadri Noida - 201 314 Uttar Pradesh	27.65	36
1057	Assessment of ground water quality & potential exploration: Impact on health & agriculture for the SC/ST dominated areas of Bundelkhand region	DST-NGP	Singh,S.P., Prof. (M) Bundelkhand University Department of Geology, Institute of Earth Sciences Jhansi - 284 128 Uttar Pradesh	21.91	24
1058	City GML based 3D models for smart cities in India using LiDAR point cloud	DST-NGP	Ramiya,A.M., Dr. (M) Assistant Professor Indian Institute of Space Science & Technology Department of Earth & Space Science, P.O. Valiamal Thiruvananthapuram - 695 547 Kerala	33.30	24
1059	Coastal erosion & risk assessment along Kerala state Geo-spatial technologies	DST-NGP	Kumar,K.C.V.N., Dr. (M) Scientist B Centre for Water Resources Development & Management Kozhikode - 673 571 Kerala	16.88	24
1060	Community Health Index CHI measurement of a locality, based on inter-dependency modelling of healthcare establishments with relevant infrastructure setup	DST-NGP	Bhikkaji,B., Prof. (M) Associate Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	27.18	9



BROAD SUBJECT AREA : EARTH SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
1061	Covid-19 social vulnerability mapping impact assessment of healthcare infrastructure, co-morbidity, crop residue burning & air quality indicators	DST-NGP	Setia,R.K., Dr. (M) Scientist SE Punjab Remote Sensing Centre P.A.U. Campus Ludhiana - 141 004 Punjab	10.62	12
1062	Dependency assessment of healthcare infrastructure comparative study between West Bengal & Mizoram	DST-NGP	Biswas,B., Dr. (F) Associate Professor Mizoram University Aizawal - 796 004 Mizoram	5.74	12
1063	Dependency modelling of healthcare infrastructure with a spacial emphasis to pandemic induced health emergency management: Case study of west Medinipur district of West Bengal, India	DST-NGP	Banerjee,T., Dr. (F) Director National Atlas & Thematic Mapping Organisation Kolkata - 700 064 West Bengal	19.72	12
1064	Developing framework for indoor location based services with seamless indoor-outdoor navigation by expanding spatial data infrastructure	DST-NGP	Chowdhury,C., Prof. (F) Assistant Professor Jadavpur University Department of Computer Science & Engineering Kolkata - 700 032 West Bengal	24.35	24
1065	Development of Coastal water quality Information System (CEIS) for the coastal stage of India	DST-NGP	Kumar,G.S., Dr. (M) Associate Professor Indian Institute of Technology (Madras) Department of Engineering Chennai - 600 036 Tamil Nadu	26.84	24
1066	Development of geomagnetism based indoor navigation system	DST-NGP	Sasidhar,P.S.K., Dr. (M) Assistant Professor Dhirubhai Ambani Institute of Information Communication Technology Gandhinagar - 382 007 Gujarat	27.41	24
1067	Development of industrial indoor assets positioning & navigation system using Geospatial analysis & ultra-wide band technology	DST-NGP	Juliet,D.S., Dr. (F) Assistant Professor Karunya Institute of Technology & Sciences Department of Computer Science & Engineering, Karunya Nagar Coimbatore - 641 114 Tamil Nadu	27.90	24
1068	Development of low cost AI system for early detection of landslide	DST-NGP	James,N., Dr. (M) Assistant Professor Indian Institute of Technology (Ropar) Department of Civil Engineering Rupnagar - 140 001 Punjab	43.44	36
1069	Forewarning system for landslide prediction along Mangan & Chungthang road, Sikkim	DST-NGP	Verma,A.K., Dr. (M) Assistant Professor Indian Institute of Technology (BHU) Department of Mining Engineering, Banaras Hindu University Varanasi - 221 005 Uttar Pradesh	43.79	36
1070	Geological Geophysical investigation & design & development of cyber-physical-system for early detection of landslide vis-à-vis socio economic impact assessment	DST-NGP	Pradhan,S.P., Dr. (F) Assistant Professor Indian Institute of Technology (Roorkee ) Department of Earth Science Roorkee - 247 667 Uttarakhand	58.96	36
1071	Geospatial analysis & development of knowledge dissemination resources to combat Covid-19 & similar pandemics in the villages of Mylavaram & G. Konduru mandals of Krishna district, Andhra Pradesh	DST-NGP	Ramakrishna,V., Dr. (M) Professor Lakireddy Bali Reddy College of Engineering L.B. Reddy Nagar, District Krishna Mylavaram - 521 230 Andhra Pradesh	17.67	9
1072	Geospatial analytics for socio-economic interventions for promoting rural livelihoods in post-pandemic era: A study of Paschim Medinipur district of West Bengal	DST-NGP	Ghosh,S.K., Prof. (M) Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	18.51	12

## BROAD SUBJECT AREA : EARTH SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1073	Geospatial technology for identification of Tsunami vulnerable zone & risk assessment for emergency response system - Tamil Nadu coast	DST-NGP	Kumar,T.R., Dr. (M) Professor & Head Annamalai University Department of Earth Sciences Annamalainagar - 608 002 Tamil Nadu	32.96	24
1074	Geotechnical & Geology study of an active landslide in HP for vulnerability mapping & risk assesment	DST-NGP	Srivastava,A., Dr. (M) Professor Lovely Professional University Department of Civil Engineering, School of Civil Engineering, 56, Block, LPU Campus Jalandhar - 144 411 Punjab	24.09	24
1075	GIS mapping of microbial population for their geographical position, geological & geochemical habitats to explore oil & gas reservoirs in Jaisalmer sub-basins of Thar deseart	DST-NGP	Herwani,D., Dr. (M) Assistant Professor Maharaja Ganga Singh University The Desert Research Centre Bikaner - 334 004 Rajasthan	21.51	36
1076	GIS mapping of microbial population for their geographical position, Geological & Geochemical habitats to explore oil & gas reservoirs in Jaisalmer sub-basins of Thar desert	DST-NGP	Punia,M.P., Dr. (M) Head Birla Institute of Scientific Research Division of Remote Sensing, Statue Circle Jaipur - 302 001 Rajasthan	26.95	36
1077	GMS-GPS based intelligent safety & navigation aid for women security & smooth travel to unfamiliar destination	DST-NGP	Sevvel, Dr. (M) Professor S.A. Engineering College Department of Mechanical Engineering, Avadi-Ponamallee Road Chennai - 600 077 Tamil Nadu	14.95	18
1078	IOT enabled smart cities pollution, health & governance	DST-NGP	Chaudhari,S., Dr. (M) Assistant Professor Indian Institute of Information Technology Signal Processing & Communications Research Centre Hyderabad - 500 032 Telangana	42.29	24
1079	Modelling geographically varying relationships of Covid-19 outcomes with socioeconomic & environmental factors for predictive risk analysis	DST-NGP	Roy,S., Dr. (M) Professor Jadavpur University Department of Computer Science Engineering Kolkata - 700 032 West Bengal	8.56	12
1080	Pan-India networked institutional support for post Covid revival of socioeconomic activities in agriculture & construction sectors	DST-NGP	Tiwari,K.C., Dr. (M) Professor Delhi Technological University Department of Civil Engineering New Delhi - 110 042 Delhi	28.50	12
1081	Risk assessment by cable-powered unmanned aerial vehicle in Covid prone high-density areas	DST-NGP	Sahoo,S., Prof. (M) Assistant Professor Indian Institute of Technology (Dhanbad) Dhanbad - 826 004 Jharkhand	26.62	12
1082	Semantics-driven theory-guided analysis for understanding the development pattern & impact of Covid-19 pandemic	DST-NGP	Das,M., Dr. (F) Indian Statistical Institute Kolkata - 700 108 West Bengal	14.50	12
1083	SIME-Spatial data infrastructure for indoor navigation in multistorey edifices	DST-NGP	Jose,A.A., Dr. (M) Assistant Professor Muthoot Institute of Technology & Science Department of Electronics & Communication Engineering, Puthenkurish Varikoli - 682 308 Kerala	12.58	24
1084	SLR-coach-impact of projected sea level rise over the coastal region of Chennai, Tamil Nadu	DST-NGP	Saranavel,J., Dr. (M) Assistant Professor Bharathidasan University Centre of Remote Sensing Tiruchirappalli - 620 023 Tamil Nadu	39.80	36

## BROAD SUBJECT AREA : EARTH SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1085	Socio-economic impact of migration during Covid-19 crisis in the Sundarbans region: A study of sustainable solutions using Geospatial analytcis	DST-NGP	Chowdhury,S.R., Dr. (M) Assistant Professor Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	16.40	12
1086	Study of Shear zone kinematics in the Shillong plateau tectono-seismic implications & its bearing upon landslide hazards in the northeast region	DST-NGP	Sarkar,S., Dr. (F) Assistant Professor Mukesh Patel School of Technology Management & Engineering Department of Civil Engineering Mumbai - 400 056 Maharashtra	20.35	36
1087	3-D shear velocity & attenuation structure of northeast India	DST-SERB-CRG	Borah,K., Dr. (M) Assistant Professor Indian Institute of Science Education & Research (Kolkata) Mohanpur - 741 252 West Bengal	23.12	36
1088	A critical insight into water-rock interaction in a highly acidic environment: A case study from Matanomadh, Gujarat, India	DST-SERB-CRG	Acharya,S.S., Dr. (M) Assistant Professor Presidency University 86/1, College Street Kolkata - 700 073 West Bengal	39.52	36
1089	Assessment of the trophic status & economic evaluation of a Ramsar site, Wular Lake, in Kashmir Himalaya	DST-SERB-CRG	Subhan,S., Dr. (M) Sr. Assistant Professor Government Degree College for Women Sopore, Tehsil Road, Baramulla Srinagar - 190 001 Jammu & Kashmir	33.27	36
1090	Biomass & carbone mapping across altitudinal gradient of major Darjeeling & Sikkim Himalayan land uses: Implications for carbon sink management & mitigation	DST-SERB-CRG	Chakravarty,S., Dr. (M) Professor Uttar Banga Krishi Vishwavidyalaya Pundibari Cooch Behar - 736 165 West Bengal	42.50	36
1091	Characterization & monitoring of contaminant plume migration from waste dump sites in shallow aquifers using time-lapse Geophysical studies coupled with Geochemical analyses & associated hydrogeological modelling	DST-SERB-CRG	Mandal,A., Dr. (M) Assistant Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	66.73	36
1092	Deformation mechanism & lattice preferred orientation of Olivine from peridotites of Indus ophiolites (Eastern Ladakh): Implications for deformation & seismic anistropy of mantle in a collisional zone	DST-SERB-CRG	Sen,K., Dr. (M) Scientist D Wadia Institute of Himalayan Geology 33, Gen. Mahadeo Singh Road Dehradun - 248 001 Uttarakhand	30.88	36
1093	Detection of landslide prone slip planes in the Darjeeling-Sikkim Himalayas by Fracture induced electromagnetic radiation (Femr) techniques: A proof of concept	DST-SERB-CRG	Mallik,J., Dr. (M) Assistant Professor Indian Institute of Science Education & Research (Bhopal) Indore By-Pass Road, Bhauri Bhopal - 462 066 Madhya Pradesh	20.13	36
1094	Dynamics of soil CO <sub>2</sub> & Nox effluxes by invasive plant species: Implications for accelerated climate change in tropical deciduous forests of central India	DST-SERB-CRG	Sahu,N., Dr. (M) Assistant Professor Indira Gandhi National Tribal University Kapil Dhara Road, Mekal Sadan, District Anuppur Amarkantak - 484 886 Madhya Pradesh	46.35	36
1095	Effect of bridge construction on the Himalayan foot hill rivers: Hydro-morphology & hazards, Darjeeling-Jalpaiguri, District, West Bengal	DST-SERB-CRG	Biswas,M., Dr. (F) Assistant Professor Presidency University 86/1, College Street Kolkata - 700 073 West Bengal	26.36	36
1096	Equatorial plasma bubble & zonal irregularity drift characteristics of ionospheric scientillations & mitigations of loss-of-lock through dynamic kalman filter carrier tracking for high performance Gnss navigation & positioning solutions	DST-SERB-CRG	Panda,S.K., Dr. (M) Associate Professor K.L. University Green Fields, Vaddeswaram, Post Kunchanapalli Guntur - 520 002 Andhra Pradesh	37.09	36

## BROAD SUBJECT AREA : EARTH SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
1097	Fluid-P-T evolution of ultramafic-mafic rocks from spong tang ophiolite, Ladakh, India: Implications for geodynamic of Himalayan mountain chain	DST-SERB-CRG	Sachan,H.K., Dr. (M) Scientist G Wadia Institute of Himalayan Geology 33, Gen. Mahadeo Singh Road Dehradun - 248 001 Uttarakhand	47.14	36
1098	Geomorphic analysis of fluvial & sedimentary response to active tectonics & its seismogenic outcome in the western part of the Bengal basin	DST-SERB-CRG	Ghosh,S., Dr. (M) Assistant Professor Chandrapur College Burdwan - 713 143 West Bengal	20.18	36
1099	Human response to climate change during the Indus valley civilisation: An integrated archaeomalacological & stable isotopes study from select Harappan sites in India	DST-SERB-CRG	Mukherjee,A.D., Dr. (F) Assistant Professor Deccan College of Post-Graduate & Research Institute Yerwada Pune - 411 006 Maharashtra	35.21	36
1100	Integrating hydrology & agriculture with livelihood issues: Development of climate change adaptation approaches for sustainable water management in humid tropical Kerala	DST-SERB-CRG	Sudheer,K.P., Dr. (M) Director Institute for Climate Change Study Deepthi Nagar, Kanjikuzhi Kottayam - 686 004 Kerala	53.36	36
1101	Investigating the long-term stability of cratons using numerical models of mantle convection	DST-SERB-CRG	Ghosh,A., Dr. (F) Associate Professor Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	36.26	36
1102	Investigation on exchange between the atmospheric boundary layer & the free troposphere	DST-SERB-CRG	Mehta,S.K., Dr. (M) Assistant Professor S.R.M. Institute of Sciences & Technology S.R.M. Nagar Kattankulathur - 603 203 Tamil Nadu	39.12	36
1103	IoT-Lora enabled detection & prediction of pollutants in groundwater in an open dumping yard & modelling the fate & transport of the pollutant	DST-SERB-CRG	Umashankar,M., Dr. (M) Associate Professor & HOD Vellore Institute of Technology University Tiruvalam Road, Katpadi Vellore - 632 014 Tamil Nadu	34.79	36
1104	Joint inversion of gravity & magnetotelluric data with variable density & conductivity for enhancement of subsurface imaging of the sedimentary environments using global optimization technique	DST-SERB-CRG	Singh,U.K., Dr. (M) Associate Professor Indian Institute of Technology (Dhanbad) Sardar Patel Nagar Dhanbad - 826 004 Jharkhand	29.40	36
1105	Joint inversion of shear coupled-PI waveforms, receiver functions & dispersion curves	DST-SERB-CRG	Agrawal,M., Dr. (M) Assistant Professor Indian Institute of Technology (Dhanbad) Sardar Patel Nagar Dhanbad - 826 004 Jharkhand	20.02	36
1106	Mass balance & dynamics investigations on Drang Drung glacier in Zaskar Himalaya	DST-SERB-CRG	Azam,M.F., Dr. (M) Assistant Professor Indian Institute of Technology (Indore) Khandwa Road, Simrol Indore - 453 552 Madhya Pradesh	40.95	36
1107	Mercury: Constraints on the thermochemical evolution & internal differentiation from meteorites, experiments & Geochemical modelling	DST-SERB-CRG	Rai,N., Dr. (M) Assistant Professor Indian Institute of Technology (Roorkee ) Roorkee-Haaridwar Highway Roorkee - 247 667 Uttarakhand	54.33	36
1108	Middle pleistocene to holocene dynamics of antarctic circumpolar current & its implications to global climate: Evidence from Southern Pacific	DST-SERB-CRG	Singh,R.K., Dr. (M) Assistant Professor Indian Institute of Technology (Bhubaneswar) Arugul, Jatni Bhubaneswar - 752 050 Odisha	40.72	36
1109	Modelling the effects of landuse changes on soil organic carbon dynamics using Geospatial technology	DST-SERB-CRG	Setia,R.K., Dr. (M) Scientist SD Punjab Remote Sensing Centre PAU Campus, Block F End Ludhiana - 141 004 Punjab	25.15	36

BROAD SUBJECT AREA : EARTH SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1110	On the origin of Rhyolites & associated granites & dolerites in the proterozoic Shillong basin	DST-SERB-CRG	Gogoi,B., Dr. (M) Assistant Professor Cotton University Pan Bazar Guwahati - 781 001 Assam	23.87	36
1111	Palynological study of Deccan volcanic associated intertrappean beds of southeastern part of main Deccan province & northeastern part of Mandla Lobe to understand volcanism induced climate change & its impact on flora across Deccan transition	DST-SERB-CRG	Samant,B., Dr. (F) Assistant Professor Rashtrasant Tukadoji Maharaj Nagpur University Civil Lines Nagpur - 440 033 Maharashtra	30.58	36
1112	Permafrost distribution & dynamics over Jammu & Kashmir Himalaya from Remote Sensing, in-situ measurements & machine learning	DST-SERB-CRG	Rashid,I., Dr. (M) Assistant Professor Kashmir University Hazratbal Srinagar - 190 006 Jammu & Kashmir	58.17	36
1113	Petrological control on enrichment of Rare earth elements (Ree), uranium & apatite in alkaline rocks-carbonatite complex along South Purulia Shear zone, eastern India & their economic potential	DST-SERB-CRG	Ray,A., Dr. (M) Professor Presidency University 86/1, College Street Kolkata - 700 007 West Bengal	31.49	36
1114	Study of spatio-temporal geomorphic & land use dynamics of The Cauvery delta for landscape & environment management	DST-SERB-CRG	Balasubramani,K., Dr. (M) Assistant Professor Central University of Tamil Nadu C/o Collectorate Annexe Tiruvapur - 610 005 Tamil Nadu	34.28	36
1115	Tectono-stratigraphic evolution of the siliciclastic succession of the Bonai-Darjng basin, Singhbhum craton, Odisha	DST-SERB-CRG	Mukhopadhyay,J., Prof. (M) Presidency University 86/1, College Street Kolkata - 700 073 West Bengal	30.85	36
1116	Understanding the changing dynamics of Arabian sea monsoon Eddy systems in an ocean warming environment	DST-SERB-CRG	Deshpande,A., Dr. (F) Assistant Professor Savitribai Phule Pune University Ganeshkhind Pune - 411 007 Maharashtra	24.67	36
1117	Vegetation history, climate & monsoon signature of Himachal Pradesh during Siwalik sedimentation: Evidence from plant megafossils	DST-SERB-CRG	Khan,M.A., Dr. (M) Assistant Professor Sidho Kanho Birsha University Paribesh Bhawan, 10a, Block La, Sector III, Salt Lake Kolkata - 700 098 West Bengal	23.72	36
1118	What portion of Mesosphere lower thermosphere (Mlt) dynamics are wave driven?	DST-SERB-CRG	Grandhi,K.K., Dr. (M) Assistant Professor Savitribai Phule Pune University Ganeshkhind Pune - 411 007 Maharashtra	22.30	36
1119	Ocean acidification & its impact on benthic calcareous organisms: Implications from palk strait, Bay of Bengal	DST-SERB-EMEQ	Velmurugan,P.M., Dr. (M) Scientist C & Asst. Professor Sathyabama University Sathyabama Institute of Science & Technology, Jeppiaar Nagar, Rajiv Gandhi Salai Chennai - 600 119 Tamil Nadu	37.26	36
1120	Significance of microplastics in surface & ground water: Comprehensive study from south Chennai city	DST-SERB-EMEQ	Jayaprakash,M., Dr. (M) Professor Madras University Chepauk Campus, Triplicane Chennai - 600 005 Tamil Nadu	36.60	36
1121	Soil organic carbon & crop productivity as influenced by tillage operations in India	DST-SERB-EMEQ	Mondal,S., Dr. (M) Scientist ICAR-Research Complex for Eastern Region Patna - 800 014 Bihar	43.63	36

BROAD SUBJECT AREA : EARTH SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1122	Study of shifting cultivation & associated environmental problems in Meghalaya: Physicochemical & geospatial approach	DST-SERB-EMEQ	Deka,P., Dr. (F) Assistant Professor Tezpur University Napaam Tezpur - 784 028 Assam	35.50	36
1123	Analysis of winter seasonal means & extreme rainfall events over northern India using observations & high resolution modelling framework	DST-SERB-SRG	Attada,R., Dr. (M) Assistant Professor Indian Institute of Science Education & Research (Mohali) Knowledge City, Sector 81, S.A.S. Nagar Mohali - 140 306 Punjab	32.15	24
1124	Delineation of uranium mineralization in Samarkiya region, in the central part of the Aravalli-Delhi fold belt, using joint inversion of electrical & electromagnetic data	DST-SERB-SRG	Singh,A., Dr. (M) Assistant Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	25.19	24
1125	Extension of spectral scale energetics to study nonlinear scale interactions in nonhydrostatic regime	DST-SERB-SRG	Dubey,S.K., Dr. (M) Assistant Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	14.39	24
1126	High resolution seismic imaging to decipher the genesis of swarm sequences in Palghar District, Maharashtra, using low cost seismographs	DST-SERB-SRG	Maurya,S., Dr. (M) Assistant Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	28.15	24
1127	Investigation of natural & anthropogenic hydrocarbons over arid & semi-arid regions in western India: Implications to atmospheric oxidation, agriculture & climate	DST-SERB-SRG	Mallik,C., Dr. (M) Assistant Professor Central University of Rajasthan NH 8, Bandar Sindri Ajmer - 305 001 Rajasthan	30.25	24
1128	Investigation on the propagation characteristic of thermo-elastic wave in piezothermoelastic media	DST-SERB-SRG	Lakshman,A., Dr. (M) Assistant Professor Indian Institute of Information Technology Phase 3, Block A Kalyani - 741 235 West Bengal	15.87	24
1129	Linking core-mantle coupling to the recent time variations in geomagnetic field	DST-SERB-SRG	Sahoo,S., Dr. (M) Assistant Professor Indian Institute of Technology (Dhanbad) Sardar Patel Nagar Dhanbad - 826 004 Jharkhand	26.00	24
1130	Linking microstructures, magnetic fabrics & magnetic anomaly at impact structures	DST-SERB-SRG	Agarwal,A., Dr. (M) Assistant Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	29.19	24
1131	Measurement & characterization of radiative effects & vertical distribution of ambient aerosols in Andhra Pradesh based on comprehensive observations & model simulations	DST-SERB-SRG	Kanike,R.K., Dr. (M) Associate Professor K.L. University Green Fields, Vaddeswaram, Kunchanapa III Post Guntur - 522 502 Andhra Pradesh	27.42	24
1132	Monitoring of transient luminous events associated with lightning/thunderstorms as well as their effects on the upper atmosphere using optical cameras & radio	DST-SERB-SRG	Pal,S., Dr. (M) Assistant Professor Sri Krishna College Bagula Nadia - 741 502 West Bengal	7.63	24
1133	Origin of the Thar Desert dune fields & the associated Palaeo-fluvial channels: Insight from sediment provenance & Palaeo-climate studies using trace element & isotope Geochemistry	DST-SERB-SRG	Chatterjee,A., Dr. (M) Assistant Professor Presidency University 86/1 College Street Kolkata - 700 073 West Bengal	29.94	24
1134	Process level understanding of aerosol-fog-urbanization coupling over Igp	DST-SERB-SRG	Sarangi,C., Dr. (M) Assistant Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	32.92	24

BROAD SUBJECT AREA : EARTH SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1135	Size segregated Organic aerosols (Oa) characteristics & chemistry	DST-SERB-SRG	Chakraborty,A., Dr. (M) Assistant Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	19.80	24
1136	The Physics of extreme wet-bulb temperatures (Pewter)	DST-SERB-SRG	Monteiro,J.M., Dr. (M) Assistant Professor Indian Institute of Science Education & Research (Pune) Dr. Homi Bhabha Road, Pashan Pune - 411 008 Maharashtra	27.42	24
1137	Theoretical & computational investigations on the physical origins of rate-state friction - insights from a diverse set of normal stress step laboratory friction experiments	DST-SERB-SRG	Bhattacharya,P., Dr. (M) Assistant Professor National Institute of Science Education & Research Tehsildar Office, Khurda, Pipli, Jatni Bhubaneswar - 752 050 Odisha	30.82	24
1138	Assessment of impact of climate change on the geo diversity in the Uttarakhand Himalaya for five most disaster prone districts of Uttarakhand including vulnerability and risk assessment: Implication for sustainable development & policy making	DST-SPLICE-CCP	Sundriyal,Y.P., Dr. (M) Hemwati Nandan Bahuguna Garhwal University Srinagar - 246 174 Uttarakhand	206.34	36
1139	Climate change impacts & adaptation for a climate resilient north east India	DST-SPLICE-CCP	Devi,A., Dr. (F) Tezpur University Department of Environmental Science Tezpur - 784 028 Assam	635.66	60
1140	Establishment/strengthening of state climate change cells (Phase II)	DST-SPLICE-CCP	Das,A., Mr. (M) Department of Science, Technology & Environment Vigyan Prajukti O Paribesh Bhawan, P. N. Complex, Gorkhabasti Agartala - 799 006 Tripura	149.24	60
1141	Impact of Climate Change on Water Resources of Arunachal Pradesh	DST-SPLICE-CCP	Yadav,H.S., Dr. (M) North Eastern Regional Institute of Sciences & Technology Nirjoui - 791 109 Arunachal Pradesh	246.52	36
1142	Long-term ecological monitoring of forest plots in Mizoram, northeast India	DST-SPLICE-CCP	Tripathi,S.K., Prof. (M) Mizoram University Aizawal - 796 004 Mizoram	244.68	36
1143	Punjab state climate change knowledge centre (Phase -II)	DST-SPLICE-CCP	Singh,P., Mr. (M) Punjab State Council for Science & Technology MGSIPA Complex, Sector 26 Chandigarh - 160 019 Chandigarh	273.10	60
1144	Strengthening of state climate change cell of Manipur - 2nd phase	DST-SPLICE-CCP	Singh,T.B., Mr. (M) Directorate of Environment & Climate Change Porompat Imphal - 795 005 Manipur	214.46	36
1145	2D stochastic thermal modeling in southern Indian shield	DST-WOS-A	Guruhappa,H., Ms. (F) CSIR-National Geophysical Research Institute Uppal Road Hyderabad - 500 007 Telangana	5.52	36
1146	Air-sea coupling of Indian Ocean & its climatic responses	DST-WOS-A	Nisha,P.G., Ms. (F) B.M.S. College of Engineering Bengaluru - 560 019 Karnataka	21.36	36

## BROAD SUBJECT AREA : EARTH SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
1147	Application of wetland macrophytes as a biosorbent/biodegradates for removal of petroleum hydrocarbons present in formation water	DST-WOS-A	Goswami,M., Ms. (F) Institute of Advanced Study in Science & Technology Guwahati - 781 035 Assam	20.35	36
1148	Assessment of tectonic deformation in Satluj river basin, Kinnaur using morphometric & geomorphic analysis	DST-WOS-A	Joshi,M., Dr. (F) Kumaun University Nainital - 263 002 Uttarakhand	30.48	36
1149	Biogeochemical data & data products for northern Indian Ocean for studying the phytoplankton dynamics: Synthesizing in-situ from Bio- Argo & Remote Sensing observations	DST-WOS-A	Gidugu,H., Ms. (F) Indian National Center for Ocean Information Services Hyderabad - 500 090 Telangana	18.61	36
1150	Depositional history & biostratigraphy of ordoevician silurian succession of the Spiti basin, Tethys Himalaya: Its correlation & paleoenvironmental significance	DST-WOS-A	Pandey,S., Dr. (F) Wadia Institute of Himalayan Geology Dehradun - 248 001 Uttarakhand	30.31	36
1151	Ecomorphological variation in the recent bivalves along the Indian coasts	DST-WOS-A	Sharma,N., Ms. (F) Calcutta University Kolkata - 700 019 West Bengal	19.97	36
1152	Estimation & analysis of offshore wind generated wave energy potential along Indian coastline	DST-WOS-A	Petapati,S., Dr. (F) Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	37.35	36
1153	Gravity, magnetic & resistivity surveys for delineating basement configuration & structural features of listric fault morphologies in Goka region, Kaldagi basin, India: Aid to mineral exploration	DST-WOS-A	Batta,R., Dr. (F) Hyderabad University Hyderabad - 500 046 Telangana	33.94	36
1154	Ice volume estimation of Himalayan glaciers using novel method	DST-WOS-A	Aggarwal,A., Dr. (F) Delhi Technological University New Delhi - 110 042 Delhi	30.73	36
1155	Impact of climate change on ocean productivity in Indian waters covering Arabian Sea, Bay of Bengal & Indian Ocean	DST-WOS-A	Raju,R., Dr. (F) Anna University Chennai - 600 025 Tamil Nadu	33.76	36
1156	Influence of upper ocean physical processes on the oxygen & nutrient variability in the north Indian Ocean using eddy permitting coupled ecosystem model of the global ocean	DST-WOS-A	Devasena,C.K., Dr. (F) CSIR-Fourth Paradigm Institute NAL Belur Campus, Windtunnel Road Bengaluru - 560 037 Karnataka	27.49	36
1157	Landslide susceptibility investigation in western ghats using an integrated approach	DST-WOS-A	Chandan,R., Ms. (F) Central University of Kerala Tejaswini Hills, P.O. Periyar Kasaragod - 671 316 Kerala	22.04	36
1158	Petrological studies of Precambrian alkaline suite of rocks from parts of North Purulia Shear Zone, Eastern Indian shield: Implication for tectonomagmatic evolution	DST-WOS-A	Basak,A., Ms. (F) Calcutta University Kolkata - 700 019 West Bengal	20.99	36
1159	Relative geo-effectiveness of inter planetary coronal mass ejections associated with different features	DST-WOS-A	Mustajab,F., Dr. (F) Jamia Millia Islamia New Delhi - 110 025 Delhi	10.28	36



## BROAD SUBJECT AREA : EARTH SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
1160	Tectonometamorphic investigation of Lesser Himalayan metapelites around Mangan, eastern Himalaya: Constraints from textural relationship, phase equilibria modeling & U-Th-Pb geochronology	DST-WOS-A	Tewari,S., Dr. (F) Wadia Institute of Himalayan Geology Dehradun - 248 001 Uttarakhand	32.64	36
1161	Weather induced agricultural risk assessment using space based earth observation data	DST-WOS-A	Singh,I.C., Dr. (F) Indian Space Research Organization Ahmedabad - 380 015 Gujarat	23.68	36
1162	Accuracy estimation of INSAT-3D/-3DR ozone, temperature & water vapour measurements: Application of air-sea interaction studies	ISRO-RESPOND	Kuttiipurath,J., Prof. (M) Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	24.47	36
1163	Edge-aware interpolation for terrestrial 3-D maps	ISRO-RESPOND	Seelamantula,C.S., Prof. (M) EE Indian Institute of Science Bengaluru - 560 012 Karnataka	10.36	36
1164	Estimation & tracking of Subsurface Groundwater Discharge (SGD) along coastal stretches of Andhra Pradesh & Tamil Nadu, based on understanding & modeling of coastal aquifer dynamics	ISRO-RESPOND	Das,A., Dr. (M) Professor & Director PRIST University Centre for Environmental Engineering Thanjavur - 613 403 Tamil Nadu	33.84	36
1165	Improvement of temporal resolution (~weekly to daily) of Sentinel-1 based high spatial resolution surface soil moisture estimates	ISRO-RESPOND	Maity,R., Dr. (M) Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	34.00	36
1166	Characterization of groundwater in seismically active regions of Uttarakhand, India: Implications for earthquake induced variations	MOES-REACHOUT	Syed,T.H., Dr. (M) Associate Professor Indian Institute of Technology (Dhanbad) Department of Applied Geology Dhanbad - 828 201 Jharkhand	96.41	36
Total Cost of 132 Projects Under: <b>Earth Sciences</b>				5,509.83	

BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1167	5G transeceiver design, fabrication & characterization using GaN-based HEMT technology	AICTE-RP	Panda,A., Dr. (M) National Institute of Science & Technology Ganjam Berhampur - 761 008 Odisha	20.90	36
1168	A comparative study of performance of solid lubricants in WC cutting tools	AICTE-RP	Borah,A., Mr. (M) Assam Engineering College Kamrup Guwahati - 781 013 Assam	20.39	36
1169	A novel approach - design & development of wearable textile sensors & antennas for breast cancer detection	AICTE-RP	Arun,S., Dr. (M) Prathyusha Engineering College Poonamalle - Tiruvallur High Road, Aranvoyalkuppam Thiruvallur - 602 025 Tamil Nadu	9.83	36
1170	A novel EMI-resistant ICD for heart patients	AICTE-RP	Sivasubramaniam,S., Dr. (F) Sri Krishna College of Engineering & Technology Coimbatore - 641 008 Tamil Nadu	11.51	36
1171	A study of groundwater with special reference to Arsenic concentration in Kamrup district, Assam, India & development of a low cost paper based analytical platform for detection of Arsenic	AICTE-RP	Bora,A., Dr. (F) Girijananda Chowdhury Institute of Management & Technology Hatkhowapara, Azara Guwahati - 781 017 Assam	5.00	36
1172	A total concrete solution for sustainable development & environmental protection	AICTE-RP	Sayyad,A., Dr. (M) Sanjivani College of Engineering Sanivani Rural Education Society's, Kopargaon Ahmednagar - 423 603 Maharashtra	11.92	36
1173	A vision based dynamic gesture recognition of Indian sign language using kinect	AICTE-RP	Patel,N., Dr. (M) Birla Vishvakarma Mahavidyalaya Vallabh Vidyanagar Anand - 388 120 Gujarat	11.06	36
1174	An analytical algorithm to generate high current from solar PV module even in partial shading condition	AICTE-RP	Changmai,P., Mr. (M) Don Bosco College of Engineering & Technology Airport Road, Azara Guwahati - 781 017 Assam	12.91	36
1175	An integrated approach for Diabetic Retinopathy classification based on image processing & machine learning	AICTE-RP	Biswas,A., Mr. (M) Tripura Institute of Technology P.O. Narsingath Aerodrome Agartala - 799 009 Tripura	3.68	36
1176	An integrated approach for the sustainable electro thermal machining of aerospace composites	AICTE-RP	Mishra,S., Dr. (M) Madan Mohan Malaviya University of Technology Gorakhpur - 273 010 Uttar Pradesh	21.96	36
1177	An investigation into the maneuvering performance of Proton Exchange Membrane (PEM) fuel cell for its recoverable degradation of electrical behavior under extreme humidification & membrane hydration conditions	AICTE-RP	Murugesan,K., Dr. (M) Kongu Engineering College Perundurai Erode - 636 060 Tamil Nadu	18.67	36
1178	An investigation of micro-structural & mechanical properties of diffusion bonded Al 2219-TI-6Al-4V alloys joints	AICTE-RP	Auradi,V., Dr. (M) Siddaganga Institute of Technology Tumkur - 572 103 Karnataka	22.24	36
1179	Analysis of reduced switch count multilevel inverter for renewable power application	AICTE-RP	Palwalia,D., Dr. (M) Rajasthan Technical University Akelgarh, Rawatbhata Road Kota - 324 010 Rajasthan	9.60	36

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1180	Assessment of indoor air pollution & its impact on human health	AICTE-RP	Chikkamadaiah,N., Dr. (F) Dr. Ambedkar Institute of Technology Outer Ring Road, Mallathahalli Bengaluru - 560 056 Karnataka	9.41	36
1181	Characteristics of pulsating heat pipe	AICTE-RP	Pachghare,P., Dr. (M) Government College of Engineering Amravati - 444 604 Maharashtra	17.98	36
1182	Chikitsalay - an artificial intelligence powered healthcare mobile application that supports local languages of north-east India	AICTE-RP	Baruah,A., Mr. (M) Don Bosco College of Engineering & Technology Airport Road, Azara Guwahati - 781 017 Assam	2.30	36
1183	Child identification software for recognizing missing children using machine learning based speech clarification technique	AICTE-RP	Dixit,A., Dr. (M) J.C. Bose University of Science & Technology 6, Mathura Road, Sector 6 Faridabad - 121 006 Haryana	6.56	36
1184	Computational analysis & experimental investigations on formability of sheets processed through powder metallurgy routes	AICTE-RP	Jaya,K., Dr. (F) Maturi Venkata Subba Rao Engineering College Rangareddy Hyderabad - 501 510 Telangana	17.27	36
1185	Covid-19 likelihood prediction using deep features of CNN & meta-heuristic-based feature selection on X-ray images with preprocessing algorithms	AICTE-RP	Mitra,S., Mr. (M) Tripura Institute of Technology P.O. Narsingath Aerodrome Agartala - 799 009 Tripura	3.53	36
1186	Creating virtual university environment	AICTE-RP	Reddy,C.P., Dr. (M) JNTUA College of Engineering Anantapur - 515 002 Andhra Pradesh	11.43	36
1187	Crop identification by satellite image analysis for Marathwada region	AICTE-RP	Holambe,R., Dr. (M) Shri Guru Gobind Singhji Institute of Engineering & Technology Vishnupuri Nanded - 431 606 Maharashtra	10.00	36
1188	Design & develop an energy-aware agriculture monitoring & irrigation system by utilizing NBloT in hilly areas	AICTE-RP	Jha,R., Dr. (M) Shri Mata Vaishno Devi University Reasi Katra - 182 320 Jammu & Kashmir	8.20	36
1189	Design & development of 3D object manufacturing system: Waste paper as raw material	AICTE-RP	Deshmukh,S., Dr. (M) Government College of Engineering Satara Karad - 415 124 Maharashtra	19.98	36
1190	Design & development of MIMO antenna for massive MIMO array in shared spectrum scenario	AICTE-RP	Joshi,S., Dr. (M) College of Technology & Engineering Udaipur - 313 001 Rajasthan	10.98	36
1191	Design & development of universal desiccant grain dryer with rotating bed	AICTE-RP	Sakhale,C., Dr. (M) Priyadarshini College of Engineering Nagpur - 440 019 Maharashtra	6.79	36
1192	Design & development of wirelessly powered electronic assistive system for visually impaired persons with voice supported dynamic obstacle ranging	AICTE-RP	Upadhyaya,B., Dr. (M) Tripura Institute of Technology P.O. Narsingath Aerodrome Agartala - 799 009 Tripura	2.90	36

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1193	Design & fabrication of high efficiency solar energy harvester using graphene based nano materials	AICTE-RP	Nallasamy,V., Dr. (M) Mahendra Engineering College Mahendhirapuri, West Mallasamudram, Post Vadugapalayam Namakkal - 637 503 Tamil Nadu	6.50	36
1194	Design & fabrication of hydrogen gas sensor using metal-carbon nanoparticles	AICTE-RP	Singh,V., Dr. (M) Delhi Technological University Shahbad Daulatpur Bawana Road Delhi - 110 042 Delhi	14.08	36
1195	Design & implementation of cyber physical controller for optimal dispatch of virtual power plant	AICTE-RP	Parvathysankar,D., Dr. (F) K.C.G. College of Technology Rajiv Gandhi Salai, Karapakkam Chennai - 600 097 Tamil Nadu	8.00	36
1196	Design & implementation of Sign Language translator (SignXter) using hierarchical Long Short Term Memory (LSTMs)	AICTE-RP	Sheela,K., Dr. (F) JNTUH College of Engineering Rangareddy Hyderabad - 500 085 Telangana	12.54	36
1197	Design & implementation of VLSI chip for security against side channel attack by IoT/cyber physical systems	AICTE-RP	Jose,D.J., Dr. (F) K.C.G. College of Technology Chennai - 600 097 Tamil Nadu	15.57	36
1198	Design of dental imaging analysis system	AICTE-RP	Kapoor,R., Dr. (M) Delhi Technological University Shahbad Daulatpur Bawana Road Delhi - 110 042 Delhi	10.88	36
1199	Design of healthcare management system for chronic diseases in rural areas of Odisha	AICTE-RP	Majhi,S., Dr. (M) Veer Surendra Sai University of Technology Sambalpur Burla - 768 018 Odisha	7.12	36
1200	Design of smart breast carcinoma detecting system using microwave sensors	AICTE-RP	Hakeem,M.J.A., Dr. (M) R.M.K. Engineering College Tiruvallur Kavaraipettai - 601 206 Tamil Nadu	8.75	36
1201	Design optimization & commercial development of Ram pump (HYDRAM)	AICTE-RP	Handa,C., Dr. (M) K.D.K. College of Engineering Nagpur - 440 009 Maharashtra	6.67	36
1202	Design, development & analysis of anatomical models for rehabilitation using MIMIC & 3 matic software	AICTE-RP	Jaju,S., Dr. (M) G.H. Raisonni College of Engineering Nagpur - 440 016 Maharashtra	18.07	36
1203	Design, development & functional evaluation of non-invasive prosthetic hand	AICTE-RP	Bhatlawande,S., Dr. (M) Vishwakarma Institute of Technology Pune - 411 037 Maharashtra	18.45	36
1204	Design, development & testing of four-finger robotic hand	AICTE-RP	Mohd,S., Dr. (M) Jamia Millia Islamia A Central University New Delhi - 110 025 Delhi	8.17	36
1205	Detection of tea leaf pest attack in Assam Tea Gardens	AICTE-RP	Ahmed,S., Mr. (M) Don Bosco College of Engineering & Technology Airport Road, Azara Guwahati - 781 017 Assam	2.95	36

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
1206	Development & characterization of advanced fiber glass composites having secondary interlaminar nanofiber reinforcement for improvement in Mode 1 fracture toughness	AICTE-RP	Hole,J., Dr. (M) J.S.M's Rajarshi Shahu College of Engineering S.No.80, Pune-Mumbai Highway Road, Tathawade Pune - 411 033 Maharashtra	10.00	36
1207	Development & characterization of novel WNbMoTaTiSix (x=0, 0.3, 0.6 & 0.9 atomic ratio) refractory high entropy alloys for high temperature applications by vacuum Arc melting route	AICTE-RP	Kumar,A., Mr. (M) Bhilai Institute of Technology Durg - 491 001 Chhattisgarh	23.14	36
1208	Development & characterization of waste glass fiber filled bamboo mat reinforced polymer composites to structural applications	AICTE-RP	Haseebuddin,M.R., Dr. (M) Dayananda Sagar College of Engineering Bengaluru - 560 078 Karnataka	15.22	36
1209	Development & experimental modal analysis based artificial intelligence method for structural health analysis & estimation of remaining useful life of composite structures	AICTE-RP	Shinagam,R., Dr. (M) Gayatri Vidya Parishad College of Engineering Visakhapatnam - 530 048 Andhra Pradesh	14.31	36
1210	Development of a downdraft gasifier for enhancement of efficiency in use of moist agriculture waste	AICTE-RP	Jain,P., Dr. (M) School of Energy & Environment Management Hujoor Bhopal - 462 033 Madhya Pradesh	18.57	36
1211	Development of a semi online based android based application for tourism in Tripura	AICTE-RP	Majumder,A., Dr. (M) Tripura University NH 8, Suryamani Nagar Agartala - 799 022 Tripura	2.86	36
1212	Development of a wireless peer-to-peer network base for managing IoT edge devices off gateway range	AICTE-RP	Yellasiri,R., Dr. (F) Chaitanya Bharathi Institute of Technology Rangareddy Hyderabad - 500 075 Telangana	4.40	36
1213	Development of advance SLAM 3D LIDAR navigation based light mobile robot for application in ground-vegetable field environment	AICTE-RP	Rai,B., Mr. (M) Sikkim Manipal Institute of Technology Majitar Rangpo - 737 136 Sikkim	7.13	36
1214	Development of CO2 capture distinct technique by CO2 adsorbents materials in a sound assisted fluidized bed to reduce CO2 contents	AICTE-RP	Langde,A., Dr. (M) Anjuman College of Engineering & Technology Nagpur - 440 001 Maharashtra	10.53	36
1215	Development of effective prediction techniques for condition assessment of concrete structures	AICTE-RP	Patil,A., Dr. (M) Yeshwantrao Chavan College of Engineering Nagpur - 441 110 Maharashtra	12.89	36
1216	Development of high strength prosthetic sockets through additive manufacturing	AICTE-RP	Sahai,A., Dr. (M) Dayalbagh Educational Institute Agra - 282 110 Uttar Pradesh	18.00	36
1217	Development of intelligent portable wide field ROP screening device with telemedical applications	AICTE-RP	Porkumaran,K., Dr. (M) Dr. N.G.P. Institute of Technology Coimbatore - 641 014 Tamil Nadu	16.82	36
1218	Development of novel materials by duplex electroless nickel coating methodology	AICTE-RP	Ghosh,S., Dr. (M) J.I.S. College of Engineering Kalyani Nadia - 741 235 West Bengal	12.84	36
1219	Development of nurse assist humanoid robot for various tasks in a hospital	AICTE-RP	Bera,T., Dr. (M) Thapar Institute of Engineering & Technology Patiala - 147 004 Punjab	9.57	36

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1220	Development of photopolymer-metal composites based on metallization of Digital Light Procesed (DLP) parts	AICTE-RP	Thippeswamy,M.C., Dr. (M) Siddaganga Institute of Technology B.H. Road Tumkur - 572 103 Karnataka	6.00	36
1221	Development of smart campus power distribution system for energy conservation & protection	AICTE-RP	Malarvizhi,K., Dr. (M) Kumaraguru College of Technology Chinnavedampatti Coimbatore - 641 049 Tamil Nadu	8.49	36
1222	Development of smart solar powered irrigation using artificial intelligence	AICTE-RP	Rajkumar,S.S.U., Dr. (F) Mahendra Engineering College Mahendhirapuri, Mallasamudram West, Post Vadugapalayam Namakkal - 637 503 Tamil Nadu	17.02	36
1223	Effect of meditation on physiological signals	AICTE-RP	Gajre,S., Dr. (M) Shri Guru Gobind Singhji Institute of Engineering & Technology Nanded - 431 606 Maharashtra	15.92	36
1224	Embedded network control between heterogeneous nonlinear systems for agricultural applications	AICTE-RP	Sundaramoorthy,S., Dr. (M) Syed Ammal Engineering College Ramanathapuram - 623 502 Tamil Nadu	14.52	36
1225	Enhancement of heat transfer inside a single horizontal tube during evaporation of refrigerants with turbulent promoters	AICTE-RP	Shrivastava,R., Dr. (M) Government College of Engineering Vidyanagar, Satara Karad - 415 124 Maharashtra	8.00	36
1226	Experimental & analytical performance analysis of hydrostatic/hybrid conical fluid film journal bearing	AICTE-RP	Phalle,V., Dr. (M) Veermata Jijabai Technological Institute Mumbai - 400 019 Maharashtra	20.77	36
1227	Experimental & numerical investigation of thermal behavior on Rotating Packed Bed (RPB) - feasibility analysis of process intensification	AICTE-RP	Duggaraju,S., Dr. (M) College of Technology Udham Singh Nagar Pantnagar - 263 145 Uttarakhand	18.97	36
1228	Experimental investigation & analysis of automotive & aerospace components for NVH characteristics	AICTE-RP	Suresh,P.M., Dr. (M) A.C.S. College of Engineering Bengaluru - 560 074 Karnataka	21.00	36
1229	Experimental investigation of anchorage zone stresses & development of equation to calculate bursting tensile force in post-tension concrete member	AICTE-RP	Khapre,R., Dr. (M) Shri Ramdeobaba College of Engineering & Management Nagpur - 440 013 Maharashtra	19.08	36
1230	Experimental investigation of low velocity impact & damage studies of hybrid composite inter/intra layered with glass carbon kevlar fibers for aerospace application	AICTE-RP	Babu,S., Dr. (M) M.S. Ramaiah Institute of Technology Bengaluru - 560 054 Karnataka	21.65	36
1231	Experimental investigation on performance of VFPI	AICTE-RP	Murnal,P.B., Dr. (M) Government College of Engineering Aurangabad - 431 005 Maharashtra	16.67	36
1232	Experimental investigation on role of hybrid tool pin profile on microstructure & mechanical properties of friction stir welded dissimilar AA6082-AA5083 aluminium alloy	AICTE-RP	Boggavarapu,V.R., Dr. (M) V.N.R. Vignana Jyothi Institute of Engineering & Technology Rangareddy Hyderabad - 500 090 Telangana	7.84	36

BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1233	Fabrication & characterization of bio hybrid natural fiber reinforced composites using experimental & numerical methods	AICTE-RP	Gangipamula,P., Dr. (M) P.V.P Siddhartha Institute of Technology Krishna Vijayawada - 520 007 Andhra Pradesh	11.57	36
1234	Fabrication & joining of insitu aluminium based hybrid metal matrix composites by friction processes	AICTE-RP	Umanath,K., Dr. (F) Academy of Maritime Education & Training No. 135, East Coast Road, Kanathur, Reddykuppam, Kanchipuram Chennai - 603 112 Tamil Nadu	13.33	36
1235	Generative Adversarial Network(GANs) for unmasking blurred & covered faces	AICTE-RP	Akashdeep, Dr. (M) University Institute of Engineering & Technology Chandigarh - 160 014 Chandigarh	10.62	36
1236	Health monitoring system for Indian railway track & wheel using fiber bragg grating sensor	AICTE-RP	Sharan,P., Dr. (F) The Oxford College of Engineering Bengaluru - 560 068 Karnataka	15.53	36
1237	High temperature wear study of high entropy alloys	AICTE-RP	Dhokey,N., Dr. (M) College of Engineering Pune - 411 005 Maharashtra	12.53	36
1238	Hybrid nanostructures based chemoresistive gas sensing as a biomarker for human exhaled breath	AICTE-RP	Kalagadda,V., Dr. (F) JNTUH Institute of Science & Technology Kukatpally Hyderabad - 500 085 Telangana	22.26	36
1239	Impetus for IOT smart distribution grid development	AICTE-RP	Perianayagam,A.D.V.R., Mr. (M) Pondicherry Engineering College Puducherry - 605 014 Puducherry	14.37	36
1240	Implementation of MIMO-ofDM receiver for 5G real time wireless video streaming	AICTE-RP	Nagarajan,S.K., Dr. (M) Sri Ramakrishna Engineering College Coimbatore - 641 022 Tamil Nadu	13.51	36
1241	In-situ development & investigation the shape memory assisted biodegradable electronic devices substrates using 3-D printing	AICTE-RP	Japes,J.T.W., Dr. (M) Kalasalingam Academy of Research & Education Srivilliputtur Virudhunagar - 626 126 Tamil Nadu	20.63	36
1242	Investigation & identification of machinability challenges of hadfield steel through novel sustainable machining approach	AICTE-RP	Selvam,B., Dr. (M) Madanapalle Institute of Technology & Science Madanapalle Chittoor - 517 325 Andhra Pradesh	18.94	36
1243	Investigation of damage & fiber content in CFRP composites using ultrasonic test method	AICTE-RP	Sharma,R., Dr. (M) R.V. College of Engineering Bengaluru - 560 059 Karnataka	13.16	36
1244	Investigation of microgrid operational challenges for rural areas due to renewable energy resources	AICTE-RP	Srivastava,L., Dr. (F) Madhav Institute of Technology & Science P.O. Residency, Gola Ka Mandir Gwalior - 474 005 Madhya Pradesh	4.00	36
1245	Investigation of the impact of cutting & tool Geometry parameters on surface integrity aspects & cutting force under dry & near dry machining of nickel based super alloys	AICTE-RP	Panicker,H., Dr. (M) SVPK Mandal's Dwarkadas J. Sanghvi College of Engineering Mumbai - 400 056 Maharashtra	18.08	36
1246	Investigation on methods to reduce Smut formation in wire-arc-additive manufacturing of aluminum alloys	AICTE-RP	Vijesh,V., Dr. (M) Nitte University Nmam Institute of Technology Udupi - 574 110 Karnataka	6.76	36

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
1247	Investigation the strength of snail shell powder reinforced PMC additive manufacturing components	AICTE-RP	Podaralla,N.K., Dr. (M) N.B.K.R. Institute of Science & Technology Vidanagar Nellore - 524 413 Andhra Pradesh	8.88	36
1248	Investigations on non-linear, fatigue & fracture behaviour of elastomers & composite materials	AICTE-RP	Tinnavelli,R.M., Dr. (M) Vasavi College of Engineering Hyderabad - 500 031 Telangana	21.29	36
1249	Lattice-Boltzmann methods for single phase & multiphase flow in supersonic condition	AICTE-RP	Tripathi,B., Dr. (M) Rajasthan Technical University Kota - 324 010 Rajasthan	18.16	36
1250	Low cost housing construction using quick build panels for cyclone & earthquake prone regions	AICTE-RP	Chava,S., Dr. (M) Velagapudi Ramakrishna Siddhartha Engineering College Krishna Vijayawada - 520 007 Andhra Pradesh	6.89	36
1251	Machinability assessment of graphene oxide & zirconium oxide enriched nano-cutting fluids assisted multi-nozzle injection MQL machining of hardened AISI-D2 steel	AICTE-RP	Sahoo,A., Dr. (M) Kalinga Institute of Industrial Technology University Khordha Bhubaneswar - 751 024 Odisha	16.66	36
1252	Mechanical-property evaluation of nickel based alloys fabricated using wire-and-arc based additive manufacturing & optimization of WAAM process parameters	AICTE-RP	Pitchandi,K., Dr. (M) Sri Venkateswara College of Engineering Kanchipuram Chennai - 602 105 Tamil Nadu	17.29	36
1253	Navigation of precision guided munition & design of millimeter-wave radar & infrared sensor for ground targets	AICTE-RP	Sreeja,S., Dr. (F) College of Engineering Thiruvananthapuram - 695 016 Kerala	5.45	36
1254	Novel nanostructured materials for energy storage & waste water remediation	AICTE-RP	Sharma,A., Dr. (M) Deenbandhu Chhotu Ram University of Science & Technology Sonapat - 131 039 Haryana	18.67	36
1255	Novel suspended nodes-communication network using WiFi for disaster prone areas	AICTE-RP	Arunachalaperumal,C., Dr. (M) S.A. Engineering College Tiruvallur Chennai - 600 077 Tamil Nadu	7.61	36
1256	Performance & vibration characterization of Rubber Seed oil Methyl Ester (RSME) bio-diesel based VCR engine mounted on A/6061-SiC-rubber mounts	AICTE-RP	Thulasiram,R., Mr. (M) Malla Reddy Engineering College Rangareddy Secunderabad - 500 014 Telangana	11.90	36
1257	Performance analysis of thermal comfort & sustainability analysis of heritage buildings	AICTE-RP	Pandit,R., Dr. (M) Madhav Institute of Technology & Science P.O. Residency, Gola Ka Mandir Gwalior - 474 005 Madhya Pradesh	5.00	36
1258	Performance investigation of solar thermal systems for sustainable built environment	AICTE-RP	Gaur,M., Mr. (M) Madhav Institute of Technology & Science Gwalior - 474 005 Madhya Pradesh	16.00	36
1259	Plant leaves disease classification using computational intelligence techniques	AICTE-RP	Singh,U., Dr. (M) Shri Mata Vaishno Devi University Reasi Katra - 182 320 Jammu & Kashmir	4.97	36



## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
1260	Polymer composite PEEK/PTFE as indigenous material for self-lubricating compressor piston rings	AICTE-RP	Abhang,L., Dr. (M) Pravara Rural Engineering College Loni Ahmednagar - 413 736 Maharashtra	21.96	36
1261	Power generation utilizing product gas of co-gastification of mixed feedstock in a downdraft gastifier	AICTE-RP	Mallick,D., Dr. (M) Girijananda Chowdhury Institute of Management & Technology Hatkhawapara, Azara Guwahati - 781 017 Assam	16.70	36
1262	Predictive maintenance for process control system using data analytics	AICTE-RP	Jayabalan,A., Dr. (M) P.S.G. College of Technology Coimbatore - 641 004 Tamil Nadu	16.53	36
1263	Preparation of nano zirconia & nano silica reinforced epoxy resin & poly urethane blend composite as an alternative for aluminum & steel	AICTE-RP	Shantharaja,M., Dr. (M) University Visvesvaraya College of Engineering Bengaluru - 560 001 Karnataka	16.73	36
1264	Prognosis & prediction of breast cancer using optical imaging sensor & deep learning method	AICTE-RP	Surendranath,S., Dr. (F) Saveetha Engineering College Sriperumbudur Kanchipuram - 602 105 Tamil Nadu	7.13	36
1265	Real-time sensor-less control of BLDC motor drives	AICTE-RP	Navuri,P., Dr. (F) Andhra University Andhra College of Engineering, Waltair Visakhapatnam - 530 003 Andhra Pradesh	15.98	36
1266	Recurrence based modelling & analysis of weather data	AICTE-RP	Elias,J., Dr. (M) Cochin University of Science & Technology Ernakulam Kozhikode - 682 022 Kerala	13.22	36
1267	Research laboratory for power quality analysis & enrichment	AICTE-RP	Maheswari,M., Dr. (F) Malla Reddy Engineering College Maisammguda, Gundlapochampally Village, Medchal Mandal Secunderabad - 500 014 Telangana	9.11	36
1268	Retrofitting of RCC structures using new generation fibres	AICTE-RP	Chitawadagi,M., Dr. (M) K.L.E. Technological University Hubli Dharwad - 580 031 Karnataka	7.80	36
1269	Seismic performance of light weight concrete filled FRP tubular columns	AICTE-RP	Jayaseelan,R., Dr. (F) B.S. Abdur Rahman Crecent Institute of Science & Technology GST Road, Vandalur, Kanchipuram Chennai - 600 048 Tamil Nadu	2.00	36
1270	Skill development program in unmanned systems & its application	AICTE-RP	Prasad,V., Mr. (M) Don Bosco College of Engineering & Technology Airport Road, Azara Guwahati - 781 017 Assam	4.77	36
1271	Smart autonomous actuator based solar tracking system with automatic dust removal system	AICTE-RP	Pandit,M., Dr. (M) Sikkim Manipal Institute of Technology Majitar Rangpo - 737 136 Sikkim	1.40	36
1272	Smart border security system	AICTE-RP	Sharma,B., Dr. (M) Don Bosco College of Engineering & Technology Airport Road, Azara Guwahati - 781 017 Assam	6.12	36

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
1273	Smart crime management for smart cities	AICTE-RP	Chauhan,H., Dr. (M) Birla Vishvakarma Mahavidyalaya P.B. No. 20, Vallabh Vidyanagar Anand - 388 120 Gujarat	16.86	36
1274	Smart electric vehicle charging station	AICTE-RP	Chenniappan,S., Dr. (F) Anna University Chennai - 600 025 Tamil Nadu	17.22	36
1275	Spectrally tunable LED luminaire for improving system energy efficiency, comfort & health of occupants	AICTE-RP	Kurian,C., Dr. (M) Manipal Institute of Technology Udupi Manipal - 576 104 Karnataka	18.24	36
1276	Study of interlayer in FSW of aluminium & steel	AICTE-RP	Gadakh,V., Dr. (M) Amrutvahini College of Engineering Sangamner Ahmednagar - 422 608 Maharashtra	21.57	36
1277	Study on influential factors of design of reinforced embankments over soft clays	AICTE-RP	Chirla,S.R., Dr. (M) Andhra University College of Engineering Visakhapatnam - 530 003 Andhra Pradesh	11.05	36
1278	Super finishing of laser powder fused parts for bio medical applications	AICTE-RP	Prasad,V.J., Mr. (M) University College of Engineering Pithapuram Road, JNTUK Kakinada East Godavari - 533 003 Andhra Pradesh	21.18	36
1279	Synthesis of proteins & its effect on the performance of nano membranes	AICTE-RP	Rao,S., Dr. (F) Nitte Meenakshi Institute of Technology Bengaluru - 560 064 Karnataka	21.20	36
1280	Thermal performance analysis of parabolic trough solar collector using experimental & computational approach for coastal region	AICTE-RP	Sahoo,S., Dr. (M) College of Engineering & Technology Khordha Bhubaneswar - 751 003 Odisha	19.97	36
1281	Vibration exposure & health effect among workers of agro-industry	AICTE-RP	Singh,H., Dr. (M) Guru Nanak Dev Engineering College Ludhiana - 141 006 Punjab	17.90	36
1282	Rare earth based electro-ceramics for low temperature SDFC technology	CSIR-ES	Kuttanellore,M., Dr. (M) Ministry of Electronics & Information Technology Electronics Niekta New Delhi - 110 003 Delhi	10.20	36
1283	Uncertainty handling in guided wave propagation for SHM of critical infrastructure-pipelines	CSIR-ES	Rao,K.B., Dr. (M) CSIR-Structural Engineering Research Centre Department of Civil Engineering Chennai - 600 113 Tamil Nadu	10.20	36
1284	A novel integrated scalable system for protein sequence & SNP data analysis using clustering & classification	CSIR-GS	Tiwari,A., Dr. (F) Indian Institute of Technology (Indore) Department of Electrical Engineering Indore - 453 552 Madhya Pradesh	8.00	36
1285	Automated classification system for human emotions based on physiological signals	CSIR-GS	Pachori,R.B., Prof. (M) Indian Institute of Technology (Indore) Department of Electrical Engineering Indore - 453 552 Madhya Pradesh	6.00	36
1286	Computer aided design for development of hardware prototype for diagnosis of Diabetes using ECG signals	CSIR-GS	Bajaj,V., Dr. (M) Indian Institute of Information Technology, Design & Manufacturing Jabalpur - 482 005 Madhya Pradesh	8.00	36

BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
1287	Continuum finite element models for the mechanical behaviour of the nanostructures considering surface energy effects	CSIR-GS	Singh,S., Dr. (M) Birla Institute of Technology & Science (Pilani ) Department of Mechanical Engineering Zuarinagar - 403 726 Goa	5.60	36
1288	Cost minimization-based multi stage PMU installation strategy considering energy industries perspective	CSIR-GS	Acharjee,P., Prof. (M) National Institute of Technology (Durgapur) Department of Electrical Engineering Durgapur - 713 209 West Bengal	2.80	36
1289	Design & fabrication of electrically tunable silicon photonic waveguide for active photonic devices	CSIR-GS	Kumar,M., Dr. (M) Indian Institute of Technology (Indore) Department of Electrical Engineering Indore - 453 552 Madhya Pradesh	13.25	36
1290	Development of BS-VI compliant air filter media for engine intake air filtration	CSIR-GS	Das,D., Dr. (M) Indian Institute of Technology (Delhi) Department of Textile Technology New Delhi - 110 016 Delhi	8.00	36
1291	Development of content based image filtering approach to prevent objectionable image retrieval from the internet	CSIR-GS	Pal,A.K., Dr. (M) Indian Institute of Technology (Dhanbad) Department of Computer Science & Engineering Dhanbad - 826 004 Jharkhand	6.50	36
1292	Development of Oxide Dispersion Strengthened-Tungsten Heavy Alloys (ODS-WHAs) for defense application	CSIR-GS	Maurya,R.S., Dr. (M) Indian Institute of Technology (Indore) Indore - 453 552 Madhya Pradesh	15.00	36
1293	Development of piezoelectric ceramic-polymer flexible composite based harvester for smart automobiles	CSIR-GS	Roy,A., Dr. (M) Indian Institute of Technology (Bhubaneswar) School of Minerals, Metal Mat Bhubaneswar - 752 050 Odisha	12.00	36
1294	Development of smart functional coatings loaded with stimuli responsive nanocontainers for corrosion sensing & protection	CSIR-GS	Mobin,M., Prof. (M) Aligarh Muslim University Department of Applied Chemistry Aligarh - 202 002 Uttar Pradesh	10.00	36
1295	Experimental & numerical analysis for development of an erosion friendly Francis turbine	CSIR-GS	Gandhi,B.K., Dr. (M) Indian Institute of Technology (Roorkee ) Department of Mechanical & Industrial Engineering Roorkee - 247 667 Uttarakhand	9.50	36
1296	Fluconazole functionalized zinc oxide nanobiocomposite: Processing & bioengineering applications	CSIR-GS	Pramanik,N., Dr. (M) National Institute of Technology (Andhra Pradesh) Department of Basic & Applied Science, Yupia Papum Pare - 791 110 Arunachal Pradesh	3.90	36
1297	Hydrophilic modification of polyurethane nanofibers using inkjet printing of Titanium Dioxide (TiO <sub>2</sub> ) Nanoparticles (NPS): Novel strategy towards bone tissue-engineering	CSIR-GS	Sheikh,F.A., Dr. (M) Kashmir University Department of Nanotech Srinagar - 190 006 Jammu & Kashmir	12.50	36
1298	Imparting solid lubrication & hardness in multi-component electroless composite coatings for tribological applications	CSIR-GS	Chatterjee,S., Dr. (M) Indian Institute of Technology (Indore) Department of Electrical Engineering Indore - 453 552 Madhya Pradesh	19.00	36
1299	Mass transfer in AC electro spraying	CSIR-GS	Bandopadhyay,A., Dr. (M) Indian Institute of Technology (Kharagpur) Department of Mechanical Engineering Kharagpur - 721 302 West Bengal	6.00	36

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1300	Memristive devices & systems for neuromorphic computation	CSIR-GS	Mukherjee,S., Dr. (M) Indian Institute of Technology (Indore) Department of Electrical Engineering Indore - 453 552 Madhya Pradesh	15.87	36
1301	Optimizing the fermentative production of dextran using fruit-waste & its food application	CSIR-GS	Chakraborty,S., Dr. (M) CSIR-Indian Institute of Chemical Technology Department of Food Engineeering & Technology Mumbai - 400 019 Maharashtra	4.50	36
1302	Perosvskite based functional materials for oxygen permeation application-synthesis & its characterization	CSIR-GS	Jaiswal,S.K., Dr. (M) National Institute of Technology (Patna) Department of Physics Patna - 800 005 Bihar	5.35	36
1303	Response of pre-stressed concrete under high rate of loading at varying temperature of Indian subcontinent	CSIR-GS	Rajput,A., Dr. (M) Indian Institute of Technology (Indore) Department of Civil Engineering Bhopal - 453 552 Madhya Pradesh	11.00	36
1304	Synthesis of nano-composites based on biopolymers & graphene oxide derived from waste materials: A cost effective adsorbent for the removal of textile dyes & metals from water	CSIR-GS	Chattopadhyay,D., Prof. (M) Calcutta University Department of Polymer Science & Technology Kolkata - 700 009 West Bengal	0.30	36
1305	Texture weakening magnesium alloys	CSIR-GS	Sahoo,S.K., Dr. (M) National Institute of Technology (Rourkela) Department of Metal & Material Engineering Rourkela - 769 008 Odisha	7.00	36
1306	Textured surfaces with imbibed lubricants for drag reduction applications	CSIR-GS	Datta,S., Dr. (M) Indian Institute of Technology (Delhi) Department of Electrical Engineering New Delhi - 110 016 Delhi	3.50	24
1307	Experimental & computational analysis of concentration polarization induced fouling in Reverse Osmosis (RO) feed channel	CSIR-SS	Kumar,A., Dr. (M) Indian Institute of Technology (Kanpur) Department of Mechanical Engineering Kanpur - 208 016 Uttar Pradesh	15.00	36
1308	Application of CRISPR technology for therapeutic induction of translational read through across stop codons	DBT-R&D	Eswarappa,S.M., Dr. (M) Indian Institute of Science Bengaluru - 560 012 Karnataka	53.30	36
1309	ASE-Assistive sight enabler (an assistive technology for visually impaired)	DBT-R&D	Verma,M., Dr. (F) Assistant Professor Bennett University Greater Noida - 201 310 Uttar Pradesh	14.32	24
1310	Detection of pcos using artificial intelligence based algorithms tentative	DBT-R&D	Manickam,S., Dr. (F) Professor Sathyabama University Chennai - 600 119 Tamil Nadu	21.99	24
1311	Development of an artificial intelligence based system for comprehensive cerebral arterial stroke imaging & prognostication	DBT-R&D	Mathew,J., Dr. (M) Associate Professor Indian Institute of Technology (Patna) Patna - 800 013 Bihar	57.82	24
1312	Development of disinfection systems for the prevention & spread of Covid-19 through indoor air	DBT-R&D	Murthy,G.S., Prof. (M) Indian Institute of Technology (Indore) Indore - 453 552 Madhya Pradesh	29.66	6
1313	Development of novel nano carrier based oral formulation of Amphotericin B (AmB) as a therapeutic alternative	DBT-R&D	Dinda,A.K., Dr. (M) Professor All India Institute of Medical Sciences New Delhi - 110 029 Delhi	315.03	24

BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
1314	Exosome encapsulated protein hydrogels targeting osteoclast activity in osteoporosis	DBT-R&D	Dash,M., Dr. (F) Scientist C Institute of Life Sciences Bhubaneswar - 751 023 Odisha	48.17	36
1315	Functional characterization of novel plasmodium falciparum blood-stage genes by genome editing technologies for the identification of new drug/vaccine interventions for malaria	DBT-R&D	Bansal,A., Dr. (M) Assistant Professor Jawaharlal Nehru University New Delhi - 110 067 Delhi	129.33	36
1316	Predictive detection of osteoporotic fractures in Indian population based on artificial intelligence implementation	DBT-R&D	Sharma,V., Dr. (M) Professor All India Institute of Medical Sciences New Delhi - 110 029 Delhi	86.54	36
1317	Repurposing endogenous CRISPR-Cas type-I machinery for efficient markerless genome editing tool in Leptospira interrogans	DBT-R&D	Kumar,M., Dr. (M) Associate Professor Indian Institute of Technology (Guwahati) Guwahati - 781 039 Assam	23.75	30
1318	Spiral Dx: Tremor diagnosis & quantification using artificial intelligence	DBT-R&D	Rajan,R., Dr. (F) Associate Professor All India Institute of Medical Sciences New Delhi - 110 029 Delhi	106.50	36
1319	Structural assembly of functional transmembrane peptide nano pores: From synthesis to single-molecule sensing	DBT-R&D	Mahendran,K.R., Dr. (M) Scientist E1 Rajiv Gandhi Centre for Biotechnology Thiruvananthapuram - 695 014 Kerala	41.78	36
1320	Visualization of signaling-induced enhancer: Promoter interactions in live cells	DBT-R&D	Notani,D., Dr. (F) National Centre for Biological Sciences Bengaluru - 560 065 Karnataka	55.42	24
1321	Assessment of Rare Earth Elements (REE) & other economic resources in coal & non-coal strata & characterization of acid mine drainage & its pollution control from the North Eastern Region (NER) Coalfield	DOC-S&T	Das,D., Dr. (M) Assistant Professor Panjab University Sector 14 Chandigarh - 160 014 Chandigarh	361.38	24
1322	Development of coal quality exploration technique based on convolutional neural network & hyperspectral images	DOC-S&T	Sakhare,D.K., Dr. (M) Sr. Principal Scientist CSIR-Central Institute of Mining & Fuel Research Nagpur - 440 001 Maharashtra	103.59	18
1323	Indigenous development of IoT enabled technology for monitoring analysis & interpretation of longwall shield pressures for improving safety & productivity	DOC-S&T	Deb,D., Prof. (M) Indian Institute of Technology (Kharagpur) Department of Mining Engineering Kharagpur - 721 301 West Bengal	471.00	36
1324	Study of hazards due to mining induced sub-surface cavities & waterlogged areas in inaccessible old workings in underground coal mines using Geophysical technique	DOC-S&T	Pal,S.K., Dr. (M) Associate Professor Indian Institute of Technology (Dhanbad) Department of Applied Geophysics Dhanbad - 826 004 Jharkhand	199.96	24
1325	Bayesian model updating approach for systematic damage detection	DRDO-AR&DB	Bansal,S., Dr. (M) Assistant Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	44.69	36
1326	Cross flow flapping jets for supersonic mixing enhancement	DRDO-AR&DB	Kumar,A.R., Prof. (M) Assistant Professor Indian Institute of Technology (Jodhpur) Jodhpur - 342 037 Rajasthan	24.89	36
1327	Development & application of a meshfree adjoint approach for aerodynamic shape optimisation	DRDO-AR&DB	Anil,N., Dr. (M) Assistant Professor Birla Institute of Technology & Science (Pilani ) Pilani - 333 031 Rajasthan	17.82	24

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1328	Development of artificial intelligence based model for understanding fatigue behavior of Ti-6Al-4V alloy (GTMAP)	DRDO-AR&DB	Alankar,A., Dr. (M) Associate Professor Indian Institute of Technology (Bombay) Mumbai - 400 076 Maharashtra	87.26	36
1329	Development of Pd diffused transition metal (Mo,Co,W) based chalcogenic heterostructures support on carbon nanostructures/Ni form for electrochemical water splitting	DRDO-AR&DB	Aruna,K.K., Dr. (F) Assistant Professor Rathinam Technical Campus Pollachi Road, Eachanari Coimbatore - 641 008 Tamil Nadu	35.89	36
1330	Establishment of hypervelocity expansion tunnel test facility & heat flux measurements over payload configurations	DRDO-AR&DB	Ibrahim,M.S., Prof. (M) Assistant Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	56.84	36
1331	Experimental investigations on nitriding of M50 nil steel for aerospace bearings applications	DRDO-AR&DB	Venkatesh,B., Prof. (M) Vardhaman College of Engineering Kacharam, Shamshabad Ranga Reddy - 501 218 Telangana	24.19	36
1332	Highly transparent & conducting flexible film for aircraft canopy applications	DRDO-AR&DB	Parthiban,S., Dr. (M) Assistant Professor P.S.G. Institute of Advanced Studies Coimbatore - 641 004 Tamil Nadu	18.16	24
1333	Investigation of creep & high temperature fatigue behavior of additively manufactured Ti-6Al-4V alloys	DRDO-AR&DB	Gaur,V., Prof. (M) Indian Institute of Technology (Roorkee ) Roorkee - 247 667 Uttarakhand	46.97	36
1334	Investigations into ternary interdiffusion in bond coat systems of $\gamma$ (Ni, Pt) Al & (Ni, Ru) Al (GTMAP)	DRDO-AR&DB	Kulkarni,K.N., Prof. (M) Associate Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	88.58	36
1335	Laser shock peening of inconel-718 aero engine alloys (GTMAP)	DRDO-AR&DB	Kiran,P.P., Prof. (M) Associate Professor Hyderabad University School of Physics, Gachibowli Hyderabad - 500 046 Telangana	94.89	36
1336	Manufacturing of micro components in hard metals by WEDG process: Investigation into adding chemical solutions	DRDO-AR&DB	Parthiban,M., Dr. (M) Assistant Professor P.S.G. College of Technology Coimbatore - 641 001 Tamil Nadu	21.52	24
1337	Measurement of forces and moments on generic models in a hypersonic shock tunnel	DRDO-AR&DB	Saravanan,S., Dr. (M) Principal Research Scientist Indian Institute of Science Bengaluru - 560 012 Karnataka	31.56	24
1338	Mechanical & tribological characterizations of Al-Si product developed by wire arc additive manufacturing	DRDO-AR&DB	Shivraman, Dr. (M) Assistant Professor National Institute of Technology (Warangal) Warangal - 506 004 Telangana	23.74	36
1339	Noise suppression in supersonic nozzles	DRDO-AR&DB	Das,R., Dr. (M) Sr. Assistant Professor SASTRA University School of Mechanical Engineering, Triumalaisamudram Thanjavur - 613 001 Tamil Nadu	8.33	36
1340	Non-linear dynamic characterization of multi-functional CNT reinforced honeycomb hybrid tapered composite sandwich plates under thermal environment	DRDO-AR&DB	Vasudevan,R., Dr. (M) Professor Vellore Institute of Technology University Vellore - 632 014 Tamil Nadu	15.61	24
1341	Numerical investigations of nonlinear aeroelastic response of a deployable supersonic missile fin	DRDO-AR&DB	Chandy,A.J., Prof. (M) Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	29.95	36

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
1342	Partial slip fretting studies on AL 7075-T6 alloy at sub-zero temperature	DRDO-AR&DB	Kaliveeran,V., Dr. (M) Assistant Professor National Institute of Technology (Karnataka) Mangalore - 575 025 Karnataka	17.89	36
1343	Process sequence & metallurgical assessment of electron beam weld joints of martensitic stainless steel for gear applications	DRDO-AR&DB	Vijayalakshmi,M., Dr. (M) Assistant Professor Mahatma Gandhi Institute of Technology Hyderabad - 500 075 Telangana	38.31	36
1344	Rolling element bearing health assessment algorithm development using online oil debris monitoring system data	DRDO-AR&DB	Kulkarni,S.S., Dr. (M) Senior Scientist CSIR-National Aerospace Laboratories Bengaluru - 560 017 Karnataka	63.35	24
1345	Structural & electrical-transport relations in La(1-x)AxTi0.5B0/5O3-δ(A= Mg, K, Na, Li, Y, B=Zr, Co) complex perovskites for solid oxide fuel cell applications	DRDO-AR&DB	Madhavan,B., Dr. (M) Assistant Professor Sri Krishna College of Engineering & Technology Kuniamuthur Coimbatore - 641 008 Tamil Nadu	22.47	36
1346	Studies on creep behavior of welded gas turbine grade Su-718 super alloy	DRDO-AR&DB	Venkateswarlu,K., Dr. (M) Sr. Principal Scientist CSIR-National Aerospace Laboratories Bengaluru - 560 017 Karnataka	176.90	48
1347	Supersonic flow studies over spiked blunt body with different nose bluntness ratios	DRDO-AR&DB	Das,S., Prof. (M) Birla Institute of Technology (Mesra) Ranchi - 835 215 Jharkhand	23.73	24
1348	Theoretical & simulation based approaches to determine the forming limit diagrams of Ti-6Al-4V at elevated temperatures	DRDO-AR&DB	Singh,S.K., Prof. (M) Gokaraju Rangaraju Institute of Engineering & Technology BITS Pilani, Bachupally, Kukatpally Hyderabad - 500 090 Telangana	26.51	36
1349	Thermally sprayed CNT reinforced WC-Co coating for aero engine stage III & IV compressor disc (GTMAP)	DRDO-AR&DB	Bandyopadhyay,P.P., Dr. (M) Professor Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	324.97	36
1350	Critical weapon system technologies, sensors & platforms for national security	DRDO-ER & IPR	Pullat,S., Prof. (M) Visiting Professor National Institute of Advanced Studies Department of International Strategic & Security Studies Programme Bengaluru - 560 012 Karnataka	203.31	24
1351	Design & development of broadband circularly polarized conformal antenna array for airborne application	DRDO-ER & IPR	Gangwar,R.K., Dr. (M) Assistant Professor Indian Institute of Technology (Dhanbad) Department of Electronics Engineering Dhanbad - 826 004 Jharkhand	61.06	36
1352	Design & implementation of an intelligent security framework for providing confidentiality & authentication to defence voice communications using polynomials with the FPGA implementations	DRDO-ER & IPR	Ramachandran,R.K., Dr. (M) Associate Professor Chitkara University Department of Computer Science & Engineering, Institute of Engineering & Technology Chandigarh - 140 401 Chandigarh	57.49	36
1353	Reconfigurable machine learning accelerator design & development for avionics application	DRDO-ER & IPR	Acharyya,A., Dr. (M) Associate Professor Indian Institute of Technology (Hyderabad) Department of Electrical Engineering Sangareddy - 502 285 Telangana	360.91	36
1354	Study of weapon system cyber security vulnerabilities	DRDO-ER & IPR	Rajan,P.M.S., Prof. (M) National Institute of Advanced Studies International Strategic & Security Studies Programme Bengaluru - 560 012 Karnataka	41.49	18

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1355	Development of a standard method for identification of dope dyed & exhaust dyed polyster fibers/fabrics	DRDO-LSRB	Panda,P.K., Dr. (M) Senior Scientist The Bombay Textile LBS Marg, Ghatkopar (W) Mumbai - 400 086 Maharashtra	34.08	24
1356	Development of AI based predictive algorithms for bionic hand action recognitions	DRDO-LSRB	Kadambi,G.R., Dr. (M) Vice Chancellor/ Professor M.S. Ramaiah University of Applied Sciences Bengaluru - 560 054 Karnataka	48.49	24
1357	Development of optoelectronic biochemical sensor based on calyx systems for the rapid detection of warfare agents	DRDO-LSRB	Jain,V.K., Dr. (M) Professor Gujarat University Ahmedabad - 380 009 Gujarat	54.76	36
1358	Nano fabric conditioner to impart antimicrobial property to nomex or high performance fabrics	DRDO-LSRB	Hikku,G.S., Dr. (M) Assistant Professor Chettinad Hospital & Research Institute Kanchipuram - 603 103 Tamil Nadu	30.24	24
1359	Algorithms for fast computation of principal components for self-noise cancellation in underwater acoustics	DRDO-NRB	Nathwani,K., Dr. (M) Assistant Professor Indian Institute of Technology (Jammu) Department of Electrical Engineering Jammu - 181 221 Jammu & Kashmir	49.96	36
1360	Computational prediction of acoustic emissions from collapsing bubbles using interface capturing multiphase flow simulations	DRDO-NRB	Shukla,R.K., Dr. (M) Associate Professor Indian Institute of Science Department of Mechanical Engineering Bengaluru - 560 012 Karnataka	46.00	36
1361	Design & development of an intelligent underwater vehicle with a manipulator for offshore oil/gas & other marine applications	DRDO-NRB	Mohan,S., Dr. (M) Associate Professor Indian Institute of Technology (Palakkad) Department of Mechanical Engineering Palakkad - 678 557 Kerala	45.27	36
1362	Design & development of MEMS gyroscope for naval applications	DRDO-NRB	Rao,V.K.P., Dr. (M) Assistant Professor Birla Institute of Technology & Science (Pilani ) Department of Mechanical Engineering Pilani - 333 031 Rajasthan	46.69	36
1363	Design of efficient material based radar absorbing materials for stealth applications using 3D printing	DRDO-NRB	Ghosh,B., Dr. (M) Professor Indian Institute of Technology (Kharagpur) Department of Electronics & Communication Engineering Kharagpur - 721 302 West Bengal	19.16	18
1364	Fatigue behavior of Al alloy for marine application	DRDO-NRB	Mishra,B.K., Dr. (M) Indian Institute of Technology (Roorkee ) Department of Mechanical & Industrial Engineering Roorkee - 247 667 Uttarakhand	37.40	36
1365	Grain boundary & magnetic domain interaction in oriented bulk magnetostrictive RA-GA alloy	DRDO-NRB	Mandal,S., Dr. (M) Indian Institute of Technology (Kharagpur) Department of Metallurgical & Materials Engineering Kharagpur - 721 302 West Bengal	34.61	36
1366	Hydro elasticity of a large and high speed ships considering the slamming & green water impact on regular & Ir-regular waves	DRDO-NRB	Datta,R., Dr. (M) Assistant Professor Indian Institute of Technology (Kharagpur) Department of Ocean Engineering & Naval Architecture Kharagpur - 721 302 West Bengal	46.35	36
1367	Investigating of the factors leading to large enhancement of the electromechanical response in rare-earth doped relator ferroelectric based plozoceramics	DRDO-NRB	Ranjan,R., Dr. (M) Professor Indian Institute of Science Department of Metallurgical Engineering Bengaluru - 560 012 Karnataka	41.88	24



BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1368	Machine learning models for underwater image enhancement & content analysis	DRDO-NRB	Supriya,M.H., Dr. (F) Professor Cochin University of Science & Technology Department of Electronics Kochi - 682 022 Kerala	48.05	24
1369	Propeller shaft instabilities & mode localization in propeller blades	DRDO-NRB	Vijayan,K., Dr. (M) Assistant Professor Indian Institute of Technology (Kharagpur) Department of Ocean Engineering & Naval Architecture Kharagpur - 721 302 West Bengal	40.48	36
1370	Stability of nanostructure & residual stress developed through ultrasonic shot peening in super ally IN 718 at elevated temperatures	DRDO-NRB	Chattopadhyay,K., Dr. (M) Indian Institute of Technology (BHU) Department of Metallurgical Engineering Varanasi - 221 005 Uttar Pradesh	28.87	24
1371	Theoretical studies on synthetic aperture rader based ocean surface exploration for submarine detection	DRDO-NRB	Arivazhagan,S., Dr. (M) Professor Mepco Schlenk Engineering College Department of Electronics & Communication Engineering Sivakasi - 626 005 Tamil Nadu	34.77	36
1372	Design & development of low-cost concentrated photovoltaic power plant with energy efficient dry cooling system & low cost tracking system	DSIR-PRISM	Raju,D.K.M., Dr. (M) H.No. 6/840, Bramhana Street, Saraswathipuram, Rajampet Kadapa - 516 115 Andhra Pradesh	11.50	12
1373	Development of vertical quadripilator lathe	DSIR-PRISM	Kumar,D., Mr. (M) S/O Kalila Prasad, Gram Maksudaabad, Post Tikra Kanpur - 208 001 Uttar Pradesh	10.70	18
1374	Home-made bending machine	DSIR-PRISM	Das,D.M., Mr. (M) Dihing Satra, Near Sankardev L.P. School, District Kamrup Guwahati - 781 030 Assam	1.21	6
1375	Sani-Preneur e-multi-modal sanitary sludge handling system for livelihoods	DSIR-PRISM	Kasba,R., Mr. (M) #403, Block D-2, South City, Arekere Mico Layout Bengaluru - 560 076 Karnataka	7.00	9
1376	Design & development of manufacturing equipment & technology development for production of special metal/alloy powder for additive manufacturing	DST-AMT	Ramachandran,K., Dr. (M) Bharathiar University Department of Physics Coimbatore - 641 046 Tamil Nadu	46.56	24
1377	Development of manufacturing technology for microfluidic devices & field testing of on-chip blood plasma separation microdevice	DST-AMT	Agrawal,A., Dr. (M) Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	49.05	36
1378	Development of prototype of metal 3D suitable for orthopedic & knee implants	DST-AMT	Thayagrajan,R., Dr. (M) Sr. Project Engineer Non-Ferrous Materials Technology Development Centre (NFTDC) P.O. Kanchanbagh Hyderabad - 500 058 Telangana	473.84	36
1379	HFCVD diamond coating for wear resistance & tribiological applications	DST-AMT	Arunachalam,N., Dr. (M) Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	49.05	24
1380	Self-aligned double poly silicon emitter bipolar technology for RF application	DST-AMT	Mohapatra,N.R., Dr. (M) Associate Professor Indian Institute of Technology (Gandhinagar) Palaj Gandhinagar - 382 355 Gujarat	50.54	36

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1381	Improving the quality & yield of salt produced by the marginal agarias of Kutch, Gujarat (Halwad Region) through scientific intervention & improving their income through value addition of bitters..	DST-ASACODER	Kumar,A., Dr. (M) CSIR-Central Salt & Marine Chemicals Research Institute G.B.Marg Bhavnagar - 364 002 Gujarat	122.44	36
1382	A wearable system for quantitative assessment & recovery predication during gait restoration in Parkinson's & Cerebral Ataxia patients	DST-BDTD	Joshi,D., Dr. (M) Assistant Professor Indian Institute of Technology (Delhi) Department of Biomedical Engineering, Hauz Khas New Delhi - 110 016 Delhi	54.07	24
1383	An IoT enabled portable device for OND/ONSD based automated detection of Intracranial Pressure (ICP) through ocular USG imaging	DST-BDTD	Kumar,B., Dr. (M) Associate Professor Motilal Nehru National Institute of Technology Department of Electronic & Communication Engineering, Prayagraj Allahabad - 211 004 Uttar Pradesh	44.95	36
1384	Ankle rehabilitation device	DST-BDTD	Kamatchi,T., Dr. (M) Associate Professor Velammal College of Engineering & Technology Department of Mechanical Engineering, Viraganoor Madurai - 625 009 Tamil Nadu	16.29	24
1385	Bimodal intra-operative probe for brain tumor delineation	DST-BDTD	Shekhar,K.P.M., Dr. (M) Assistant Professor Indian Institute of Technology (Gandhinagar) Palaj Gandhinagar - 382 355 Gujarat	41.98	18
1386	Cervi Tester: A smart & portable screening device for AI assisted automated diagnosis of Cervical Cancer in low resource settings	DST-BDTD	Shinde,S.V., Dr. (F) Professor Pimpri Chinchwad College of Engineering Department of Computer Engineering Pune - 411 044 Maharashtra	39.01	12
1387	Commercialization of indigenus hemodialysis cartridges for veterinary application & testing for human hemodialysis	DST-BDTD	Sankaran,K., Dr. (M) Anna University National Networking Consultant Chennai - 600 025 Tamil Nadu	84.13	24
1388	Design & development of 16 channel functional near infrared spectroscopy system for measuring hemodynamic in brain prefrontal cortex	DST-BDTD	Karthick,S.A., Dr. (M) Associate Professor Sri Sivasubramaniya Nadar College of Engineering Department of Biomedical Engineering Chennai - 603 110 Tamil Nadu	25.34	24
1389	Design & development of a micro dialysis set up for cerebral application	DST-BDTD	Gupta,C., Dr. (F) Sree Chitra Tirunal Institute for Medical Sciences & Technology Thiruvananthapuram - 695 011 Kerala	47.92	24
1390	Design & development of nanoscale integrated system along with conformal antenna as capsule prototype for wireless capsule endoscopy	DST-BDTD	Kanaujia,B.K., Prof. (M) Jawaharlal Nehru University School of Computational & Integrative Science New Delhi - 110 067 Delhi	73.84	36
1391	Design & development of wearable biofeedback device for postnatal Diastasis Recti Abdominis patients	DST-BDTD	Menaka,R., Dr. (F) Professor & Director Vellore Institute of Technology University Centre for Cyber Physical System Chennai - 600 127 Tamil Nadu	39.22	24
1392	Design & development of wearable electro-larynx with minimal human intervention & speech enhancer	DST-BDTD	Madhushankaran,M., Dr. (M) Associate Professor Manipal School of Information Sciences AB-05 LG 02, MIT Campus Manipal - 576 104 Karnataka	11.90	12
1393	Development & testing of a wearable device for the early detection of a cartilage damage in a knee stepping towards as Osteoarthritis condition using acoustic emission	DST-BDTD	Kumari,P., Ms. (F) Associate Professor Indian Institute of Technology (Guwahati) Department of Mechanical Engineering Guwahati - 781 039 Assam	29.77	24

BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
1394	Development of a device for the detection of the Mycobacterium Tuberculosis causal agent of Extra Pulmonary Tuberculosis	DST-BDTD	Sumana,K., Dr. (F) J.S.S. Academy of Higher Education & Research Mysore - 570 004 Karnataka	30.28	24
1395	Development of a miniaturized affordable single detector based multiple fluorescence analyzer for clinical diagnostic including monitoring	DST-BDTD	Saiyed,T., Dr. (M) CEO & Director Centre for Cellular & Molecular Platforms GKVK, Bellary Road Bengaluru - 560 065 Karnataka	48.32	24
1396	Development of a multi-parametric device for detection of sepsis in patients with Cirrhosis	DST-BDTD	Kaur,S., Dr. (F) Assistant Professor Institute of Liver & Biliary Sciences D-1, Vasant Kunj New Delhi - 110 070 Delhi	51.31	12
1397	Development of device for non invasive continuous measurement of Jugular venous saturation	DST-BDTD	Manoj,G.S., Mr. (M) Engineer C Sree Chitra Tirunal Institute for Medical Sciences & Technology Thiruvananthapuram - 695 011 Kerala	17.90	24
1398	Development of early breast cancer detection system with microwave imaging technique	DST-BDTD	Singh,D., Prof. (M) Head Indian Institute of Technology (Roorkee ) Department of Computer Science Roorkee - 247 667 Uttarakhand	135.76	36
1399	Development of force plate sensor cum kinematic sensor node comprehensive gait profiling for early detection of locomotive syndrome	DST-BDTD	Thirugnaman,A., Prof. (M) National Institute of Technology (Rourkela) Sundargarh Rourkela - 769 008 Odisha	44.70	36
1400	Development of immuno-fluorescent nanodiagnostic assay as a point of care detection of Dengue virus	DST-BDTD	Rai,P., Dr. (M) Associate Professor Nitte University Centre for Science Education & Research Paneer Campus, Deralakatte Mangalore - 575 018 Karnataka	21.87	24
1401	Development of low-cost indigenous High Flow Nasal Canula (HFNC) device for non-invasive ventilation amid Covid-19 pandemic	DST-BDTD	Puri,G.D., Dr. (M) P.G. Institute of Medical Education & Research Sector 12, Madhya Marg Chandigarh - 160 012 Chandigarh	58.44	24
1402	Development of portable dental smart phone pulse oximeter	DST-BDTD	Kiran,K.V.S., Dr. (F) Sri Venkateshwara Institute of Dental Science Mahabubnagar Hyderabad - 500 008 Telangana	24.75	24
1403	Fabrication & characterization of a compact prototype Ion detector as a non invasive device for early detection of respiratory diseases	DST-BDTD	Sureka,C.S., Dr. (F) Assistant Professor & Head Bharathiar University Department of Medical Physics Coimbatore - 641 046 Tamil Nadu	40.04	24
1404	Fabrication of a wash free electrochemical lab on a chip for point of care early diagnostics simultaneous detection of multiple protein markers in women with Rheumatoid Arthritis	DST-BDTD	Dutta,G., Dr. (M) Assistant Professor Indian Institute of Technology (Kharagpur) School of Science & Technology Kharagpur - 721 302 West Bengal	34.52	24
1405	Identification & characterization of genetic biomarkers in Circulating Tumor Cells (CTCs) to develop new device for early detection of primary & metastatic Breast Cancer patients	DST-BDTD	Saxena,A.K., Dr. (M) Professor & Head All India Institute of Medical Sciences Department of Surgery Patna - 801 507 Bihar	97.76	36
1406	Implantable closed - loop Diabetes management system	DST-BDTD	Baig,M.K., Dr. (M) Assistant Professor National Institute of Technology (Rourkela) Department of Biotechnology & Medical Engineering Rourkela - 769 008 Odisha	32.44	24

BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1407	Indigenous cost effective noninvasive device for patient specific respiratory motion management in high precision image guided radiotherapy treatment	DST-BDTD	Das,S., Dr. (M) Associate Professor All India Institute of Medical Sciences Department of Radiation Oncology Bhopal - 462 020 Madhya Pradesh	48.94	30
1408	Iota enabled wearable nasal cap for air filter, viral guard & sensors for early detection of Covid-19 symptoms	DST-BDTD	Dubey,S.K., Dr. (M) Assistant Professor Birla Institute of Technology & Science (Pilani ) Department of Mechanical Engineering, Jawahar Nagar, Shameerpet Hyderabad - 500 078 Telangana	20.15	12
1409	Non invasive diagnosis of breast cancer using ultrasound based liquid biopsy in a point of care setting	DST-BDTD	Eranki,A., Dr. (M) Assistant Professor Indian Institute of Technology (Hyderabad) Department of Biomedical Engineering Sangareddy - 502 285 Telangana	37.58	12
1410	Non invasive sonometer along with clinically practiced DEXA images for estimating bone mineral density for Osteoporosis detection in elderly human	DST-BDTD	Rajasankaral,P.M., Dr. (M) Professor Kalasalingam Academy of Research & Education Department of Electronics & Communication Engineering Krishnankoil - 626 128 Tamil Nadu	29.06	24
1411	Paper based colorimetric device to detect pathogen for the diagnosis of Urinary Tract Infection UTI	DST-BDTD	Bhuvana,K.P., Dr. (M) Central Institute of Plastics Engineering & Technology Chennai - 600 032 Tamil Nadu	39.18	24
1412	Pilot scale testing of smartphone based fluorescence spectrascopic device for point of care diagnosis of early Cervical Cancer	DST-BDTD	Pradhan,A., Prof. (F) Indian Institute of Technology (Kanpur) Department of Physics, SL-111, Academic Area Kanpur - 208 016 Uttar Pradesh	72.34	24
1413	Pnoi-phone-a device for diagnosis & monitoring of obstructive lung diseases using simultaneous vocal & lung breath sounds	DST-BDTD	Ghosh,P.K., Prof. (M) Associate Professor Indian Institute of Science Department of Electrical Engineering Bengaluru - 560 012 Karnataka	50.42	30
1414	Point of care AI technology based X-ray imaging device for automated early diagnosis of viral respiratory diseases	DST-BDTD	Shukla,M., Prof. (M) Motilal Nehru National Institute of Technology Department of Mechanical Engineering Allahabad - 211 004 Uttar Pradesh	51.60	30
1415	Portable device for preliminary diagnosis of preeclampsia	DST-BDTD	Warrier,T.S., Dr. (F) Assistant Professor Cochin University of Science & Technology Department of Electronics Kochi - 682 022 Kerala	24.41	12
1416	Postoperative noninvasive monitoring device for micro vascular free flaps in microsurgical reconstruction in head & neck tumors	DST-BDTD	Nagarkar,N.M., Dr. (M) Director All India Institute of Medical Sciences Tatibandh, GE Road Raipur - 492 099 Chhattisgarh	54.96	24
1417	Smart TVNS: A device that uses closed loop technology & machine learning to optimize non invasive Transcutaneous Vagal Nerve Stimulation (TVNS) for refractory Epilepsy monitoring & treatment	DST-BDTD	Mundlamuri,R.C., Dr. (M) Associate Professor National Institute of Mental Health & Neuro Sciences Department of Neurology Bengaluru - 560 029 Karnataka	27.85	24
1418	Smart wear for monitoring & treatment of gait disorder in Parkinsonism	DST-BDTD	Lahari,U., Dr. (M) Associate Professor Indian Institute of Technology (Gandhinagar) Department of Electrical Engineering Gandhinagar - 382 355 Gujarat	50.06	24
1419	SWASTHYA - Development cost effective affordable cervical cancer screening unit based on smart phone technology for rural population	DST-BDTD	Raimond,K., Dr. (F) Professor Karunya Institute of Technology & Sciences Department of Computer Science & Engineering Coimbatore - 641 114 Tamil Nadu	18.53	12

BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1420	Technology development for a novel combination of neuro feedback & closed-loop auditory neuro-modulation (closed loop assisted brain training) & its pilot scale testing as an add-on therapy patients with chronic pain	DST-BDTD	Sasidharan,A., Dr. (M) Scientist C National Institute of Mental Health & Neuro Sciences Department of Neurophysiology, Centre for Consciousness Studies Bengaluru - 560 029 Karnataka	20.98	24
1421	To develop diagnostic tool for the most common uro-genital infection in women	DST-BDTD	Tatu,U., Prof. (M) Indian Institute of Science Department of Biochemistry Bengaluru - 560 012 Karnataka	45.83	24
1422	Design, development & demonstration of decentralized ETP model for treatment of traditional handloom/weaving cluster wastewater	DST-CERI	Mohan,S.V., Dr. (M) Sr. Principal Scientist CSIR-Indian Institute of Chemical Technology Department of Energy & Environmental Engineering, Uppal Road, Tarnaka Hyderabad - 500 007 Telangana	214.03	36
1423	Different Energy Vector Integration for Storage of Energy (DEVISE)	DST-CERI	Kumar,V., Dr. (M) Associate Professor Indian Institute of Technology (Roorkee ) Department of Electrical Engineering, Roorkee- Haridwar Highway Roorkee - 247 667 Uttarakhand	360.70	36
1424	Implementation of Green technology for integraed & sustainable development & capacity building of a low-income village in Uttar Pradesh	DST-CERI	Singh,H.P., Dr. (M) Professor Raj Kumar Goel Insitute of Technology Department of Civil Engineering, SE 436 Ghaziabad - 201 001 Uttar Pradesh	102.29	36
1425	A smart weather monitoring system	DST-DDP	Saluja,N.K., Dr. (M) Chitkara University School of Electronics & Electrical Engineering, Jhansia Patiala - 140 417 Punjab	49.35	36
1426	An intelligent IoT based system for sensing hazardous gases in manhole	DST-DDP	Sakuntala, Prof. (F) Trident Academy of Technology Bhubaneswar - 751 024 Odisha	15.97	24
1427	Design & development of a multi purpose taste instrument by analyzing performance of thermal protective clothing & determining second degree burn time for skin at different orientations	DST-DDP	Das,A., Prof. (F) Indian Institute of Technology (Delhi) Department of Textile & Fiber Engineering, Hauz Khas New Delhi - 110 016 Delhi	45.67	36
1428	Design & development of an efficient biomad cook-stove for simultaneous production of clean fuel & its utilization in cook-stove	DST-DDP	Kaushal,P., Dr. (F) Professor Indian Institute of Technology (Delhi) Centre for Rural Development & Technology, Hauz Khas New Delhi - 110 016 Delhi	76.78	24
1429	Design & development of an intelligent extrusion device for 3D printing of concrete structures	DST-DDP	Panda,B.N., Dr. (M) Assistant Professor Indian Institute of Technology (Guwahati) Guwahati - 781 039 Assam	43.44	36
1430	Design & development of compact semi-automatic parboiling machine with dryer for marginal	DST-DDP	Mandal,A.K., Dr. (M) Assistant Professor National Institute of Technology (Jamshedpur) Jamshedpur - 832 109 Jharkhand	12.98	24
1431	Design & development of MEMS- based Capacitive Micromachined Ultrasonic Tansducer (CMUT) for milk quality analyzer	DST-DDP	Mukhiya,R., Dr. (M) CSIR-Central Electronics Engineering Research Institute Pilani - 333 031 Rajasthan	86.02	36

BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
1432	Design & development of standalone aeroponic chamber with high light-quality factor & climate control	DST-DDP	Sreenivas,K.R., Prof. (M) Chairman Jawaharlal Nehru Centre for Advanced Scientific Research Engineering Mechanics Unit, Post Jakkur Bengaluru - 560 064 Karnataka	25.95	24
1433	Designing of AC & DC net meter for electric vehicle application	DST-DDP	Singh,M., Dr. (M) Associate Professor Thapar Institute of Engineering & Technology Department of Electrical & Instrumentation, Adarsh Nagar, Prem Nagar Patiala - 147 004 Punjab	55.31	30
1434	Designing of portable device for determination of heavy metals in water	DST-DDP	Nagaswarupa,H.P., Dr. (M) Associate Professor East West Institute of Technology Bengaluru - 560 091 Karnataka	35.58	24
1435	Development & testing of mechanical harvester for mehandi	DST-DDP	Darmora,D.P., Prof. (M) Dean Vivekanand Global University Department of Agriculture Jaipur - 303 012 Rajasthan	14.20	24
1436	Development of a sliding bearing for earthquake protection of structures	DST-DDP	Kumar,M., Dr. (M) Assistant Professor Indian Institute of Technology (Gandhinagar) Department of Civil Engineering Gandhinagar - 382 355 Gujarat	63.78	36
1437	Development of low cost indigenous diagnostic device for testing new generation monostable/bistable magnetic actuated medium voltage vacuum circuit breakers for railway & substations applications	DST-DDP	Chandrasekar,S., Dr. (M) Sona College of Technology Salem - 636 005 Tamil Nadu	48.84	24
1438	Development of reflection fiber based interferometer for residual stress measurement	DST-DDP	Mahapatra,M.M., Dr. (M) Indian Institute of Technology (Bhubaneswar) Arugul, Jatni Road, Kansapada Bhubaneswar - 752 050 Odisha	50.20	36
1439	Development of wearable electronic skin patch for real time monitoring of human health parameters & tactile sensing	DST-DDP	Chandran,A., Dr. (M) Scientist CSIR-National Institute for Interdisciplinary Science & Technology Department of Materials Science & Technology Thiruvananthapuram - 695 019 Kerala	70.50	36
1440	IC engine driven quadrotor biplane trailsitter	DST-DDP	Krishnan,P.A.R., Prof. (M) Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	261.95	36
1441	Indigenous development of controlled interferometry based high temperature industrial flow measurement device	DST-DDP	Jha,R., Prof. (M) Associate Professor Indian Institute of Technology (Bhubaneswar) Department of Physics, School of Basic Sciences Bhubaneswar - 752 050 Odisha	77.47	36
1442	Low cost extensometer based landslide monitoring & early warning device	DST-DDP	Uday,K.V., Dr. (F) Assistant Professor Indian Institute of Technology (Mandi) Kamandi Himachal Prasad Parashar Road, Kamandi Mandi - 175 005 Himachal Pradesh	44.87	36
1443	Mercury free for UV-C (222nm) excimer radiation source for in activation of pathogens	DST-DDP	Pal,U.N., Dr. (M) CSIR-Central Electronics Engineering Research Institute Pilani - 333 031 Rajasthan	69.05	36
1444	Mxene graphene nanocomposite sensor embedded warm clothing/apparel for soldiers, design & development fabrication & proto fabrication	DST-DDP	Sen,P., Prof. (M) Indian Institute of Science Bengaluru - 560 012 Karnataka	74.05	36

BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
1445	Smart neonatal incubator for rural India	DST-DDP	Bhagat,P.V., Ms. (F) Assistant Professor Datta Meghe Institute of Engineering Technology & Research Sawangi Wardha - 442 001 Maharashtra	19.01	24
1446	To study the progress impact & challenges faced by project beneficiaries of Device Development Program (DDP) in deploying innovative solutions & way foreword	DST-DDP	Pandit,U.P., Prof. (M) Jawaharlal Nehru University Atalbihari Bajpayee School of Mangement Entrepreneurship New Delhi - 110 067 Delhi	39.03	18
1447	Tribological devices by ultrashot laser pulse texturing high through put & precision	DST-DDP	Krishnan,S.R., Prof. (M) Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	89.15	36
1448	A simple method of control microdrop generation of various liquids for bio-printing & heat management	DST-IBC	Sen,P., Prof. (M) Indian Institute of Science Bengaluru - 560 012 Karnataka	42.73	36
1449	Applied industrial research for the thermolytic recovery of sludge wastes for the circular economy & biogeochemical cycle	DST-IBC	Ghosh,S.K., Prof. (M) Jadavpur University Department of Mechanical Engineering Kolkata - 700 032 West Bengal	34.59	36
1450	Applied research & development for industrial realization of lignin recycling & conversion to value added international market products	DST-IBC	Deka,D., Dr. (M) Tezpur University Department of Energy Tezpur - 784 028 Assam	48.39	36
1451	Autonomous driving enabling fog computing platform with edge cloud orchestration & edge analytics	DST-IBC	Franklin,A., Dr. (M) Indian Institute of Technology (Hyderabad) Department of Computer Science & Engineering, Kandi Village Sangareddy - 502 285 Telangana	37.30	36
1452	Building resilient economies through technology & innovation development partnerships in the new world order	DST-IBC	Saxena,N., Mr. (M) Federation of Indian Chambers of Commerce & Industry New Delhi - 110 001 Delhi	2.60	36
1453	Carbon-conjugated 2D covalent organic frameworks based on alternative D-A-A/A-D-A systems with exceptional optoelectronic properties	DST-IBC	Bhattacharya,S., Dr. (M) Indian Association for the Cultivation of Science Kolkata - 700 032 West Bengal	46.43	36
1454	CCAFRITPOA - Detect & predict the impacts of Climate Change on Flow regimes of the Rivers Originated from Plateaus in Asia	DST-IBC	Indu,J., Dr. (F) Indian Institute of Technology (Bombay) Department of Civil Engineering, Powai Mumbai - 400 076 Maharashtra	41.21	36
1455	Design & development of ultra-low power CMOS IC for wireless neural monitoring system	DST-IBC	Kumar,S., Dr. (M) National Institute of Technology (Karnataka) Mangalore - 575 025 Karnataka	42.76	36
1456	Design of performance based concrete using sand reclaimed from construction & demolition wastes	DST-IBC	Tripathi,B., Dr. (F) Manipal University Jaipur - 303 007 Rajasthan	36.49	36
1457	Design of performance based concrete using sand reclaimed from construction & demolition wastes	DST-IBC	Chandhra,T., Dr. (M) Malaviya National Institute of Technology (Jaipur) Jaipur - 302 017 Rajasthan	12.58	36

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
1458	Designing & investigation of piezoresistive based electro-textile sensor matrix for pressure monitoring	DST-IBC	Kumar,B., Dr. (M) Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	8.84	36
1459	Designing 3D printable smart composite hydrogel-inks for tissue engineering applications	DST-IBC	Agrawal,G., Dr. (F) Indian Institute of Technology (Mandi) Mandi - 175 005 Himachal Pradesh	37.97	36
1460	Development of advanced computational Algorithms for evaluating post-surgery rehabilitation	DST-IBC	Kumar,S., Dr. (M) Indian Institute of Technology (Roorkee ) Roorkee - 247 667 Uttarakhand	32.02	36
1461	Development of E-mode III-nitride devices for energy devices tride devices for energy optimized agile power electronics	DST-IBC	Chaturvedi,N., Dr. (F) CSIR-Central Electronics Engineering Research Institute Pilani - 333 031 Rajasthan	26.75	36
1462	Development of E-mode III-nitride devices for energy devices tride devices for energy optimized agile power electronics	DST-IBC	Majumdar,S., Dr. (M) National Institute of Technology (Meghalaya) Shillong - 793 003 Meghalaya	27.77	36
1463	Development of energy efficient twin-fludatomizer for effective post combustion CO <sub>2</sub> & Nox removal	DST-IBC	Avulapati,M.M., Dr. (M) Indian Institute of Technology (Chittoor) Department of Mechanical Engineering Chittoor - 517 001 Andhra Pradesh	39.08	36
1464	Development of primary alcohols fueled engine prototype	DST-IBC	Agarwal,A.K., Prof. (M) Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	43.26	36
1465	Development of single source 3-phase high-power-density switched- capacitor multilevel boost inverter	DST-IBC	Gupta,K.K., Dr. (M) Thapar Institute of Engineering & Technology Patiala - 147 004 Punjab	5.50	36
1466	Energy efficient communication & data flow in smart city using CRN based IoT framework	DST-IBC	Das,D., Dr. (M) Indian Institute of Technology (Jodhpur) Jodhpur - 342 037 Rajasthan	17.80	36
1467	Felicitation programme	DST-IBC	Kundu,D., Prof. (M) Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	2.49	36
1468	Ga <sub>2</sub> O <sub>3</sub> - based nanomaterial with controlled defect and impurity composition for advanced electronic devices	DST-IBC	Kumar,M., Dr. (M) Indian Institute of Technology (Jodhpur) Jodhpur - 342 037 Rajasthan	41.99	36
1469	High Efficiency micro-Electromagnetic energy harvesting system for self-Powered smart environment - EMPOWER	DST-IBC	Mallick,D., Dr. (M) Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	39.07	36
1470	Hybrid deep learning for Indo-Russian sign language recognition	DST-IBC	Elakkiya,R., Dr. (M) SASTRA University Thanjavur - 613 401 Tamil Nadu	22.64	36
1471	Hybridization of flexible thermoelectric & piezoelectric devices for energy harvesting	DST-IBC	Veluswamy,P., Dr. (M) Indian Institute of Information Technology, Design & Manufacturing Chennai - 600 127 Tamil Nadu	9.10	36



BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1472	India-Portugal technology summit 2020	DST-IBC	Director, The Confederation of Indian Industry Lodi Road New Delhi - 110 003 Delhi	24.64	36
1473	Indo-US S&T Forum	DST-IBC	Director, The Indo-US Science & Technology Forum Fulbright House, 12 Hailey Road New Delhi - 110 001 Delhi	260.00	36
1474	Large deviations, rare-event simulation & machine learning: Importance sampling using neural networks	DST-IBC	Juneja,S., Prof. (M) Tata Institute of Fundamental Research School of Technology & Computer Science Mumbai - 400 005 Maharashtra	24.72	36
1475	Learning with limited labeled data: Solving the next generation of machine learning problems	DST-IBC	Balasubramanian,V.N., Dr. (M) Indian Institute of Technology (Hyderabad) Department of Computer Science & Engineering Sangareddy - 502 285 Telangana	8.18	36
1476	Low-altitude UAV Communication & Tracking (LUCAT)	DST-IBC	Kumar,A., Prof. (M) Indian Institute of Technology (Hyderabad) Sangareddy - 502 285 Telangana	31.87	36
1477	Magnetic Organic Framework (MOF) loaded functionalized cellulose sponge as an ecological & versatile tool for environmental applications: A step towards biomass valorization	DST-IBC	Sharma,A., Prof. (F) Dr. S.S. Bhatnagar University Institute of Chemical Engineering & Technology Chandigarh - 160 014 Chandigarh	7.01	36
1478	Metaheuristics framework for Multi-Objective Combinatorial Optimization Problems (META MO-COP)	DST-IBC	Pant,M., Dr. (F) Indian Institute of Technology (Roorkee ) Roorkee - 247 667 Uttarakhand	29.59	36
1479	Metawall metamaterial based lightweight panel wall for enhanced building acoustic & seismic resistance	DST-IBC	Banerjee,A., Dr. (M) Indian Institute of Technology (Delhi) New Delhi - 110 016 Delhi	34.42	36
1480	Metmaterial walls for improved acoustic performance in green building	DST-IBC	Gupta,A., Dr. (M) Indian Institute of Technology (Mandi) Mandi - 175 005 Himachal Pradesh	31.35	36
1481	Miniature antenna development for communication between airborne drones in swarm	DST-IBC	Gupta,B., Prof. (M) Jadavpur University Kolkata - 700 032 West Bengal	30.44	36
1482	Multi-linguality in speech technologies	DST-IBC	Umesh,S., Dr. (M) Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	38.44	36
1483	Photo-switchable & magnetic photo-switchable ionic liquids theory & experiments	DST-IBC	Venkataramani,S., Dr. (M) Indian Institute of Science Education & Research (Mohali) Mohali - 140 036 Punjab	11.77	36
1484	Physical layer secrecy for IoT networks with heterogeneous traffic	DST-IBC	Mohapatra,P., Prof. (M) Indian Institute of Technology (Tirupati) Tirupati - 517 506 Andhra Pradesh	18.33	36
1485	Plasma sprayed CNT reinforced graphene coated electrode for the super capacitor applications towards industrialization	DST-IBC	Keshri,A.K., Dr. (M) Indian Institute of Technology (Patna) Patna - 801 106 Bihar	28.20	36

BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1486	Prototype development & experimental investigations of CNG fueled direct injection spark ignition engine	DST-IBC	Park,S., Dr. (M) Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	52.04	36
1487	Robust topological methods for analysis of dynamic large-scale data for modern material design	DST-IBC	Natarajan,V., Prof. (M) Indian Institute of Science Department of Computer Science & Automation Bengaluru - 560 012 Karnataka	23.42	36
1488	Smart contactless technology development for smart fencing	DST-IBC	Trivedi,G., Prof. (M) Indian Institute of Technology (Guwahati) Guwahati - 781 039 Assam	31.41	36
1489	Smart contactless technology development for smart fencing	DST-IBC	Manhas,S., Dr. (M) Indian Institute of Technology (Roorkee ) Roorkee - 247 667 Uttarakhand	22.47	36
1490	Surface groups & geometric structures	DST-IBC	Gongopadhyay,K., Dr. (M) Indian Institute of Science Education & Research (Mohali) Sector 81, S.A.S. Nagar Mohali - 140 306 Punjab	6.16	36
1491	Synthesis & characterization of new emerging nanomaterial & tools for evaluating impacts on human health & environmental risks	DST-IBC	Naoghare,P.K., Dr. (M) CSIR-National Environmental Engineering Research Institute Nagpur - 440 020 Maharashtra	54.04	36
1492	Theory & practice of fine system monitoring usage to enhance supercomputer applications	DST-IBC	Wandhekar,S., Dr. (M) Centre for Development of Advanced Computing (C-DAC) Pune - 411 008 Maharashtra	35.08	36
1493	Verification of multi-core real-time embedded software systems	DST-IBC	Mukund,M., Dr. (M) Chennai Mathematical Institute Department of Computer Science Chennai - 600 113 Tamil Nadu	41.63	36
1494	A citizens campaign for water conservation, harvesting & ground water recharge	DST-IWWT	Gupta,A., Mrs. (F) Director Joy of Learning Foundation Bungalow No. 116, New Moti Bagh New Delhi - 110 002 Delhi	21.49	12
1495	Design & development of bio-inspired multilayered assembly for industrial waste water treatment	DST-IWWT	Pandya,A., Dr. (M) Assistant Professor Institute of Advanced Research Center for Engineering & Enterprise, Koba Insitutional Area Gandhinagar - 382 426 Gujarat	38.42	24
1496	Design, development & demonstration of decentralized ETP model for treatment of traditional handloom/weaving cluster wastewater	DST-IWWT	Mohan,S.V., Dr. (M) Sr. Principal Scientist CSIR-Indian Institute of Chemical Technology Department of Energy & Environmental Engineering, Uppal Road, Tarnaka Hyderabad - 500 007 Telangana	214.03	36
1497	Development of an integrated wastewater treatment & fuel production system using ceramic membranes & microchannel reactors	DST-IWWT	Narayanasamy,S., Dr. (M) Assistant Professor Indian Institute of Technology (Guwahati) Department of Biosciences & Bioengineering Guwahati - 781 039 Assam	110.70	36
1498	High performance integrated two-stage electrochemical technology for recovery of water from electroplating effluent with real time monitoring & control system	DST-IWWT	Jegathamba,P., Dr. (M) Professor Karunya Institute of Technology & Sciences Department of Water Institue - A Centre of Excellence Coimbatore - 641 114 Tamil Nadu	77.70	36

BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1499	Hollow fiber-based portable membrane reactor for liquid-liquid separation in pharmaceutical & fuel industries	DST-IWWT	Balakrishna,R.G., Dr. (F) Director Jain University Center for Nano Science & Material Science, Jain Global Campus Bengaluru - 560 069 Karnataka	99.46	36
1500	Implementation of Green technology for integrated & sustainable development & capacity building of a low-income village in Uttar Pradesh	DST-IWWT	Singh,H.P., Dr. (M) Professor Raj Kumar Goel Insitute of Technology Department of Civil Engineering, SE 436 Ghaziabad - 201 001 Uttar Pradesh	102.29	36
1501	Design & development of MEMS based detectors & their real time testing as IRLaser based sensor system for environmental monitoring	DST-N-M	Verma,A., Dr. (M) Society for Applied Microwave Electronics Engineering & Research Mumbai - 400 076 Maharashtra	153.16	30
1502	Design of a hybrid magento- rheo meter operating under compression & shear mode for characterizing rheological & tribological properties of nano smart fluids	DST-N-M	Sarkar,C., Dr. (M) Indian Institute of Technology (Patna) Patna - 801 106 Bihar	22.41	36
1503	Financial support for the carrying out the activity of Patent Information Centre at Assam Science, Technology & Environment Council, Guwahati	DST-PICS	Secretary,Member, The Assam Science Technology & Environment Council Department of S&T, Bigyan Bhawan, G.S. Road Guwahati - 781 005 Assam	25.96	36
1504	Financial support for the carrying out the activity of Patent Information Centre at Himachal Pradesh Council for Science, Technology & Environment	DST-PICS	Secretary,Member, The Himachal Pradesh Council for Science, Technology & Environment 34, SDA Complex, Kasumpati Shimla - 171 009 Himachal Pradesh	9.70	36
1505	Financial support for the carrying out the activity of Patent Information Centre at Kerala State Council for Science, Technology & Environment	DST-PICS	Secretary,Member, The Kerala State Council for Science, Technology & Environment Sasthra Bhawan, Pattom Thiruvananthapuram - 695 004 Kerala	10.00	36
1506	Financial support for the carrying out the activity of Patent Information Centre at Mizoram Council for Science & Technology & Environment	DST-PICS	Secretary,Member, The Mizoram Council of Science, Technology & Environment Directorate of Science & Technology, State Planning Commission Board Building Aizawal - 796 001 Mizoram	25.50	36
1507	Financial support for the carrying out the activity of Patent Information Centre at Punjab State Council for Science, Technology	DST-PICS	Secretary,Member, The Punjab State Council for Science & Technology MGSIPAP Complex, Sector 26 Chandigarh - 160 019 Chandigarh	20.70	36
1508	Financial support for the carrying out the activity of Patent Information Centre at Tamil Nadu State Council for Science, Technology	DST-PICS	Secretary,Member, The Tamil Nadu State Council for Science & Technology Sardar Patel Road, DOTE Campus Chennai - 600 025 Tamil Nadu	8.50	36
1509	Financial support for the carrying out the activity of Patent Information Centre at Uttarakhand State Council for Science, Technology (UCOST)	DST-PICS	Secretary,Member, The Uttarakhand State Council for Science & Technology Vigyan Dham, Jhajra, Premnagar Dehradun - 248 007 Uttarakhand	21.82	36
1510	Financial support for the carrying out the activity of Patent Information Centre at West Bengal State Council for Science, Technology	DST-PICS	Secretary,Member, The West Bengal State Council of Science & Technology Vigyan Chetana Bhavan, 26, DD Block, Sector -1, Salt Lake Kolkata - 721 212 West Bengal	44.60	36

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
1511	A Science & Technological hub for making of eco-friendly & cost-effective products to enhance socioeconomic status of SC community in Chevella region, Telangana state	DST-SCSP	Rachapogula,S., Dr. (F) Vardhaman College of Engineering Department of Electronics & Communication Engineering, Kacharam, Shamshabad Ranga Reddy - 501 218 Telangana	187.68	36
1512	AI enabled advanced aquaponics ecosystem for the self-reliance of SC community in central & lower Assam	DST-SCSP	Trivedi,G., Dr. (M) Indian Institute of Technology (Guwahati) Kamrup Guwahati - 781 039 Assam	268.47	36
1513	An AI enabled low cost mechanized manufacturing of leather products hub to empower SC community	DST-SCSP	Rao,T.S.M., Dr. (F) C.M.R. Technical Campus Medchal Road, Kandlakoya Hyderabad - 501 401 Telangana	66.91	36
1514	Biomass driven regeneration system for improving the livelihood of scheduled tribes at Athanavur Village, Yelagiri Hills, Tamil Nadu	DST-SCSP	Sakthivadeivel,D., Dr. (M) Vellore Institute of Technology University Vellore - 632 104 Tamil Nadu	108.12	36
1515	Design & development of low cost leather ironing machine (a miniature model) for leather artisans	DST-SCSP	Dasari,B.B., Dr. (M) Q.I.S. College of Engineering & Technology Ongole Vengamukkapalem - 523 272 Andhra Pradesh	30.82	36
1516	Development of law weeder machine for the region of Nuthankal, Dharmavaram & Gummadida villages of SC community	DST-SCSP	Jani,S.P., Dr. (M) M.L.R. Institute of Technology & Management Department of Mechanical Engineering, Dundigal, Quthbullapur Mandal Hyderabad - 500 043 Telangana	50.42	36
1517	Development of Science Technology & Innovation hub: Utilization & adaption of traditional knowledge, resources & technological advances in postharvest management & nutrition for empowering children, women & youth in tribal Meghalaya	DST-SCSP	Nongrum,M.S., Dr. (M) Martin Luther Christian University Dong Ktieh, Block 1, Nongrah Shillong - 793 006 Meghalaya	355.85	36
1518	Empowering the under privileged communities in Karamadai & Periyanaickenpalayam areas of Coimbatore district through smart technologies augmented with sustainable training	DST-SCSP	Varthanan,A.P., Dr. (M) Sri Krishna College of Engineering & Technology Kuniamuthur Coimbatore - 641 008 Tamil Nadu	187.73	36
1519	Empowering tribal villages of district Sonbhadra for accessing fluoride mukt drinking water with integrated approach	DST-SCSP	Agarwal,N., Mrs. (F) Development Alternatives B-32, Qutab Institutional Area New Delhi - 110 016 Delhi	45.56	36
1520	Enhancement of tribal people livelihood through intervention of Banana fiber handicrafts	DST-SCSP	Mani,M.R., Dr. (F) Pragati Engineering College 1-378, ADB Road, Surampalem Godavari - 500 437 Andhra Pradesh	71.09	36
1521	Enhancing entrepreneurial opportunities of SC community W.R.T. Ghatkesar mandal	DST-SCSP	Vandana,V.V., Dr. (F) Anurag University Ghatkesar (M), Medchal Hyderabad - 500 088 Telangana	30.81	36
1522	Establishing SHG/FPO enterprises to address malnutrition & provide rural livelihoods in Yadgir district, Karnataka	DST-SCSP	Kumar,H.H., Dr. (M) Karnataka State Council for Science & Technology IISC-Campus Bengaluru - 560 012 Karnataka	475.62	36

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1523	Establishment of SC/ST cell in Punjab State Council for Science & Technology	DST-SCSP	Bakshi,D.K., Dr. (M) Punjab State Council for Science & Technology MGSIPA Complex, Sector-26 Chandigarh - 160 019 Chandigarh	430.09	36
1524	Establishment of scheduled caste & scheduled tribal cells in Tamil Nadu State Council for Science & Technology	DST-SCSP	Srinivasan,R., Dr. (M) Tamil Nadu State Council For Science & Technology DOTE Campus Chennai - 600 025 Tamil Nadu	216.98	36
1525	Establishment of Scheduled Caste (SC) & Scheduled Tribe (ST) cell in State Science & Technology Council of Tripura state	DST-SCSP	Majumder,S., Mr. (M) Tripura State Council for Science & Technology Department of Science, Technology & Environment, Pt. Nehru Complex, Vigyan Bhawan, Gorkhbasti Agartala - 799 006 Tripura	358.81	36
1526	Establishment of Scheduled Caste (SC) and Scheduled Tribe (ST) cell in State Science & Technology Council of Arunachal Pradesh state	DST-SCSP	Apo,B., Mr. (M) Arunachal Pradesh State Council for Science & Technology Maung-PHI Complex, ESS Sector Itanagar - 791 111 Arunachal Pradesh	141.25	36
1527	Establishment of Scheduled Caste (SC)/ Scheduled Tribe (ST) cell in State Science & Technology Council of Karnataka state	DST-SCSP	Kumar,H., Mr. (M) Karnataka State Council for Science & Technology India Institute of Science Campus Bengaluru - 560 012 Karnataka	160.48	36
1528	Establishment of Scheduled Caste (SC)/Scheduled Tribal (ST) cell in State Science & Technology Council of Sikkim state	DST-SCSP	Bhutia,D.T., Mr. (M) Sikkim State Council of Science & Technology Vigyn Bhawan, Deorali Gangtok - 737 135 Sikkim	408.71	36
1529	Establishment of Scheduled Caste SC/Scheduled Tribe ST cell in State Science & Technology Council of Kerala state	DST-SCSP	Harinarayanan,P., Dr. (M) Kerala State Council for Science, Technology & Environment Sasthra Bhavan, Pattom Thiruvananthapuram - 695 004 Kerala	398.61	36
1530	Establishment of Scheduled Tribe (ST) cell in Mizoram Science, Technology & Innovation Council	DST-SCSP	Lalsawmliana,H., Dr. (M) Member Secretary Mizoram Science, Technology & Innovation Council Top Floor, Directorate of Science & Technology Building, Mizoram New Capital Complex, Khatla Aizawal - 796 001 Mizoram	150.23	36
1531	Establishment of STI hub to improve the socio-economic status of scheduled caste community in Cheyyur block Chengalpattu district, Tamil Nadu	DST-SCSP	Kumar,P.S.M., Dr. (M) Anand Institute of Higher Technology Chennai - 603 112 Tamil Nadu	292.81	36
1532	ICT mediated intervention & entrepreneurship development among rural communities in Varanasi district of Uttar Pradesh	DST-SCSP	Ghadei,K., Prof. (M) Banaras Hindu University Department of Extension Education, Institute of Agricultural Sciences Varanasi - 221 005 Uttar Pradesh	63.22	36
1533	Improvement & broad-scale implementation of different biotechnology-oriented programmers for the socio-economic upliftment of scheduled tribal community of West Bengal	DST-SCSP	Kundu,P., Dr. (M) Bose Institute Centenary Building, P-1/12, C.I.T Scheme - VIIM Kolkata - 700 054 West Bengal	1419.68	36
1534	Innovative ICT enabled co-working community center design for rural development	DST-SCSP	Mahesh,P.K., Dr. (M) A.T.M.E. College of Engineering Bannur Road Mysore - 570 028 Karnataka	186.87	36

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1535	Integrated approach towards socio economic development of ST community in Himachal Pradesh	DST-SCSP	Chauhan,B.S., Dr. (M) Meerut Institute of Engineering & Technology N.H. 58, Delhi-Roorkee Highway Meerut - 250 005 Uttar Pradesh	36.96	36
1536	Science & Technology popularization in the tribal districts of selected states	DST-SCSP	Tyagi,B.K., Dr. (M) Vigyan Prasara A-50, Paramahansa Yogananda Road, Institutional Area, Sector-62 Noida - 201 309 Uttar Pradesh	2047.59	36
1537	Science Technology & Innovation hub in Gyaraspur block Vidisha district (M.P)	DST-SCSP	Sharma,U.S., Dr. (M) Madhya Pradesh Vigyan Sabha Gyan Vigyan Parisar, Sagoni Kalan, Raisen Road Bhopal - 462 021 Madhya Pradesh	123.31	36
1538	Science Technology & Innovation hub in Leh, Leh block Ladakh district, Ladakh UT	DST-SCSP	Sharma,C.S., Mr. (M) CSIR-Institute of Microbial Technology Protein Centre, Sector-39A Chandigarh - 160 036 Chandigarh	245.48	36
1539	Science Technology & Innovation hub in north India (Uttar Pradesh, Uttarakhand & Himachal Pradesh)	DST-SCSP	Singh,R., Mr. (M) Sharamik Bharti 392, Vikas Nagar Kanpur - 208 024 Uttar Pradesh	56.62	36
1540	Science Technology & Innovation hub in north India (Uttar Pradesh, Uttarakhand & Himachal Pradesh)	DST-SCSP	Arora,N.K., Prof. (M) Babasaheb Bhimrao Ambedkar University Department of Environmental Science, Vidya Vihar, Raebareli Road Lucknow - 226 025 Uttar Pradesh	170.81	36
1541	Science Technology & Innovation hub in north India (Uttar Pradesh, Uttarakhand & Himachal Pradesh)	DST-SCSP	Kumar,R., Dr. (M) Himalayan Environmental Studies & Conservation Organisation Village HESCO, Gaon Shuklapur, P.O. Ambiwala, Premnagar Dehradun - 248 001 Uttarakhand	94.52	36
1542	Science Technology & Innovation hub in north India (Uttar Pradesh, Uttarakhand & Himachal Pradesh)	DST-SCSP	Singh,R., Mr. (M) Manav Vikas Sansthan Kalol Bilaspur - 174 035 Himachal Pradesh	86.72	36
1543	Science Technology & Innovation STI hub in Chandragiri Mandal, Chittoor district, Andhra Pradesh State for the Socioeconomic Development of Scheduled Caste SC & Scheduled Tribe ST communities	DST-SCSP	Thangellamudi,D., Dr. (M) Sree Vidyanikethan Engineering College Sree Sainath Nagar, A. Rangampet Tirupati - 517 102 Andhra Pradesh	307.30	36
1544	Science, Technology & Innovation Hub for creating sustainable livelihood opportunities of scheduled tribes in Angara block, Ranshi district, Jharkhand	DST-SCSP	Dutta,A.K., Dr. (M) Ramakrishna Mission Vivekananda Educational & Research Institute Faculty Centre for Agriculture, Rural & Tribal Development, Ramakrishna Mission Ashrama, Morabadi Ranchi - 834 008 Jharkhand	91.02	36
1545	Socio-economic empowerment in the Rajaborari estate Madhya Pradesh through scientific & technological interventions	DST-SCSP	Lakhani,A., Dr. (F) Dayalbagh Educational Institute Agra - 282 005 Uttar Pradesh	219.23	36
1546	STI hub as a platform for socioeconomic development of targeted schedule caste communities of Terai & Dooars region of West Bengal	DST-SCSP	Choudhury,A., Prof. (M) Uttar Banga Krishi Vishwavidyalaya Pundibari Cooch Behar - 736 165 West Bengal	383.85	36

BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1547	STI hub for income generation & livelihood improvement of scheduled caste community of Guntur district, Andhra Pradesh	DST-SCSP	Kishore,K.V.K., Prof. (M) Vignan's Foundation for Science, Technology & Research Tenali Highway, Vadlamudi Guntur - 522 213 Andhra Pradesh	160.74	36
1548	STI hub for income generation & livelihood improvement of scheduled caste community of Jaipur, Tonk & Dausa dirsticts, Rajasthan	DST-SCSP	Yadav,S., Dr. (M) Institute for Environmental & Social Affairs 36 Ka, 5 Jyoti Nagar Jaipur - 302 005 Rajasthan	81.69	36
1549	STI hub up-scaling sustainable technological solution & replicable model for ensuring food & nutrition, livelihood & social security of ST in selected Gram Panchayat of Kopaput district of Odisha	DST-SCSP	Lenka,K., Dr. (M) M.S. Swaminathan Research Foundation Biju Patnaik Tribal Agro, Biodiversity Centre, Phulabad, P.O. Umuri, Jeypore Koraput - 764 002 Odisha	361.30	36
1550	Study on nutritional potential sustainable socio economy ecology & conservation for tribal population of Sikkim	DST-SCSP	Thapa,S., Mr. (M) Scientific Officer Sikkim State Council of Science & Technology Vigyan Bhavan, Deorali Gangtok - 737 102 Sikkim	99.74	36
1551	Sustaining livelihood by improving access to solar energy and water in Rong valley in Ladakh	DST-SCSP	Upadhyay,N., Ms. (F) Vishwadeep Trust N.183 First Floor, Panchsheel Park New Delhi - 110 017 Delhi	81.74	36
1552	Taser sericulture-based livelihood generation	DST-SCSP	Chakraborty,A., Mr. (M) Professional Assistance for Development Action (PRADAN) 3, Community Shopping Centre, Niti Bagh New Delhi - 110 049 Delhi	258.49	36
1553	To design, develop & disseminate the modified bicycle as a rural vending cart	DST-SCSP	Kakoty,S.K., Prof. (M) Indian Institute of Technology (Guwahati) Department of Mechanical Engineering Guwahati - 781 039 Assam	13.61	36
1554	3d nanofiber using in-situ hydrothermal treatment to construct super-hydrophilic & multifunctional scaffolds	DST-SERB-CRG	Sheikh,F.A., Dr. (M) Assistant Professor Kashmir University Hazratbal Srinagar - 190 006 Jammu & Kashmir	49.28	36
1555	3rd printing & directional solidification of aluminum-based ternary eutectic alloy	DST-SERB-CRG	Tiwary,C.S., Dr. (M) Assistant Professor Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	45.32	36
1556	A comprehensive rheology based Thixotropic fluid flow model for improved control on 3rd printing of concrete	DST-SERB-CRG	Chaudhary,S., Prof. (M) Indian Institute of Technology (Indore) Khandwa Road, Simrol Indore - 453 552 Madhya Pradesh	17.86	36
1557	A novel Cfd-Dem approach to model particle scale heat transfer	DST-SERB-CRG	Vengadesan,S., Dr. (M) Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	15.35	24
1558	A novel collaborative human - quadcopter interface for outdoor aerial transportation applications	DST-SERB-CRG	Vashista,V., Dr. (M) Assistant Professor Indian Institute of Technology (Gandhinagar) Chandkheda Ahmedabad - 382 355 Gujarat	37.80	36
1559	A retinex inspired framework for intensity homogenization contrast upgradation & restoration of satellite & areal images	DST-SERB-CRG	Jidesh,P., Dr. (M) Assistant Professor National Institute of Technology (Karnataka) NH 66, Srinivsnagar Surathkal - 575 025 Karnataka	22.99	36

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1560	A study on the thermo-mechanical behaviour of thin slab continuous casting of steel	DST-SERB-CRG	Talukdar,P., Prof. (M) Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	27.01	36
1561	Accurate correlation of dot size distribution with the spectral response of As-grown & interdiffused stacked quantum dots embedded in P-I-N solar cells	DST-SERB-CRG	Kumar,S., Dr. (M) Associate Professor Indian Institute of Technology (Dhanbad) Sardar Patel Nagar Dhanbad - 826 004 Jharkhand	40.51	36
1562	Acoustic characterization of a subsonic jet excited using fluidic injection	DST-SERB-CRG	Perumal,A.K., Dr. (M) Assistant Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	54.01	36
1563	Adaptive self correcting antenna array system in cooperative communication for different disaster management scenarios	DST-SERB-CRG	Chatterjee,S., Dr. (M) Associate Professor Jadavpur University 188, Raja S.C. Mullick Road, Jadavpur Kolkata - 700 032 West Bengal	33.75	36
1564	Additive manufacturing of large size metal components with Wire & powder hybrid Direct energy deposition (Wp-Ded) process	DST-SERB-CRG	Simhambhatla,S., Prof. (M) Associate Professor Indian Institute of Technology (Hyderabad) Kandi Village Sangareddy - 502 285 Telangana	76.88	24
1565	Ai & virtual reality modelling & collaborative learning of risk & situational awareness in the socio-technical system under disruptions	DST-SERB-CRG	Maiti,J., Prof. (M) Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	32.04	36
1566	Ai based spoken language learning system	DST-SERB-CRG	Dasmandal,S.K., Dr. (M) Assistant Professor Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	38.35	36
1567	An advanced predictive maintenance tool for equipment & machine using industry 4.0 concepts	DST-SERB-CRG	Sharma,D., Dr. (M) Associate Professor Indian Institute of Technology (Guwahati) Surjyamukhi Road, North Amingaon Guwahati - 781 039 Assam	27.39	36
1568	An automatic multi-modal learning system for image/video analysis	DST-SERB-CRG	Goyal,P., Dr. (F) Associate Professor Birla Institute of Technology & Science (Pilani ) Vidya Vihar Pilani - 333 031 Rajasthan	32.20	36
1569	Analysis & optimization of particle grinding in a spiral air jet mill	DST-SERB-CRG	Khakhar,D.V., Dr. (M) Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	50.43	36
1570	Analysis of the interior ballistic processes & external aerodynamics of a guided projectile system	DST-SERB-CRG	Chatterjee,D., Dr. (M) Principal Scientist CSIR-Central Mechanical Engineering Research Institute Mahatma Gandhi Avenue Durgapur - 713 209 West Bengal	26.80	36
1571	Analytical modeling & fabrication of Molybdenum ditelluride (Mote <sup>2</sup> ) based photodetectors for near-infrared region	DST-SERB-CRG	Rathinam,R., Dr. (M) Sr. Assistant Professor SASTRA University Thirumalaisamudram Thanjavur - 613 401 Tamil Nadu	27.89	36
1572	Application of microwave Ablation technique in destruction of large size tumors: Numerical & experimental studies	DST-SERB-CRG	Repaka,R., Dr. (M) Associate Professor Indian Institute of Technology (Ropar) Nangal Road, Hussainpur Rupnagar - 140 001 Punjab	48.70	36



## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1573	Automatic map generation from high resolution images applying deep learning techniques	DST-SERB-CRG	Ohri,A., Dr. (M) Associate Professor Indian Institute of Technology (BHU) Banaras Hindu University Varanasi - 221 005 Uttar Pradesh	33.22	36
1574	Bioactive glass composites with in-situ electrical stimuli for accelerated bone growth & healing	DST-SERB-CRG	Balla,V.K., Dr. (M) Sr. Principal Scientist CSIR-Central Glass & Ceramic Research Institute 196, Raja S.C. Mullick Road Kolkata - 700 032 West Bengal	30.37	36
1575	Bone health classification using machine learning	DST-SERB-CRG	Ghosh,D., Dr. (F) Assistant Professor Indian Institute of Technology (Bhubaneswar) Arugul, Jatni Bhubaneswar - 752 050 Odisha	32.57	36
1576	Building a prototype on an Nesmd based solar thermal water distillation system & developing the analysis model thereof	DST-SERB-CRG	Bhattacharya,J., Dr. (M) Associate Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	44.92	36
1577	Can nanofuels combustion lead to a cleaner future? - A holistic journey from fundamentals to applications	DST-SERB-CRG	Basu,S., Dr. (M) Professor Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	66.04	36
1578	Circuits for expansion of analog pulse signals & its application to on-chip inductor characterization	DST-SERB-CRG	Kadayinti,N., Dr. (M) Assistant Professor Indian Institute of Technology (Dharwad) Walmi Campus, Belur Industrial Area, Pb Road Dharwad - 580 011 Karnataka	48.75	36
1579	Combined synchrosqueezing & Hmc based Bayesian updating for conditon assessment of reinforced concrete road bridge	DST-SERB-CRG	Chakraborty,A., Dr. (M) Associate Professor Indian Institute of Technology (Guwahati) Surjyamukhi Road, North Amingaon Guwahati - 781 039 Assam	32.02	36
1580	Combustion dynamics in a self-excited multi-nozzle linear array model gas turbine combustor	DST-SERB-CRG	Panda,P.P., Dr. (M) Assistant Professor Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	70.11	36
1581	Computational homogenization & optimization of Auxetic Chiral structures for impact applications	DST-SERB-CRG	Pandurangan,V., Dr. (M) Assistant Professor Indian Institute of Technology (Tirupati) A Renigunta Road, Post Settipalli Tirupati - 517 506 Andhra Pradesh	31.54	36
1582	Connecting operating variables, cone/jet features & mesh properties in electrospinning: Using experiments & modelling to Bridge theory & application	DST-SERB-CRG	Samavedi,S., Dr. (M) Assistant Professor Indian Institute of Technology (Hyderabad) Kandi Village Sangareddy - 502 285 Telangana	39.53	36
1583	Control theoretic framework for auto-scaling & load-balancing computing nodes hosting distributed algorithms for robot-vision applications	DST-SERB-CRG	Saikrishna,P.S., Dr. (M) Assistant Professor Indian Institute of Technology (Tirupati) A Renigunta Road, Post Settipalli Tirupati - 517 506 Andhra Pradesh	36.96	36
1584	Control-theoretic distributed optimal resource allocation approaches to hinder epidemic spreading over networks & its forecasting for Indian cities	DST-SERB-CRG	Panja,S., Dr. (M) Assistant Professor Grade I Indian Institute of Information Technology NH 37, Bongara Guwahati - 781 015 Assam	18.04	36
1585	Corrosion potential of industrial waste as a geomaterial using inverse dielectric spectroscopy	DST-SERB-CRG	Das,S.K., Dr. (M) Professor Indian Institute of Technology (Dhanbad) Sardar Patel Nagar Dhanbad - 826 004 Jharkhand	32.71	36

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1586	Corrosion testing of fiber metal laminates using droplet cell microscopy	DST-SERB-CRG	Rajan,V., Dr. (M) Assistant Professor Dayananda Sagar University Shavige Malleshwara Hills, Kumaraswamy Layout Bengaluru - 560 078 Karnataka	20.46	6
1587	Cost-effective fabrication of white oleds for solid state lighting: How to address process complexity & optimal usage of materials	DST-SERB-CRG	Unni,N., Dr. (M) Principal Scientist CSIR-National Institute for Interdisciplinary Science & Technology Post Office Industrial Estate, Pappanamcode Thiruvananthapuram - 695 019 Kerala	19.66	36
1588	Criticality-aware hybrid cache hierarchy	DST-SERB-CRG	Rajshekar,K., Dr. (M) Assistant Professor Indian Institute of Technology (Dharwad) Walmi Campus, Belur Industrial Area, P.B. Road Dharwad - 580 011 Karnataka	20.02	24
1589	Data driven control for marine vehicle maneuvering	DST-SERB-CRG	Somayajula,A.S., Dr. (M) Assistant Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	25.89	36
1590	Dc side low frequency ripple reduction in Sbi & Q-Sbi based Pv system with non-linear local loads & distorted Pcc voltage	DST-SERB-CRG	Adda,R., Dr. (M) Assistant Professor Indian Institute of Technology (Guwahati) Surjyamukhi Road, North Amingaon Guwahati - 781 039 Assam	35.09	36
1591	Decoupling microstructural inputs on the internal friction response of steel: Combining kinetic Monte Carlo based multi-scale simulations with microstructure & mechanical spectroscopy	DST-SERB-CRG	Panwar,A.S., Dr. (M) Associate Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	56.69	36
1592	Deep learning based quality improvement of Vnir hyperspectral images	DST-SERB-CRG	Sen,D., Dr. (M) Assistant Professor Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	33.88	36
1593	Design & development of active morphing wing based on shape memory alloy actuators	DST-SERB-CRG	Banerjee,A., Dr. (M) Associate Professor Indian Institute of Technology (Guwahati) Surjyamukhi Road, North Amingaon Guwahati - 781 039 Assam	40.92	36
1594	Design & development of deep learning based App for early warning of blindness	DST-SERB-CRG	Puhan,N.B., Dr. (M) Assistant Professor Indian Institute of Technology (Bhubaneswar) Arugul, Jatni Bhubaneswar - 752 050 Odisha	25.69	36
1595	Design & development of deflecting micromirrors & micromanipulators using laser micromachined shape memory alloy bimorph for optomechatronics applications	DST-SERB-CRG	Ia,P., Dr. (M) Associate Professor Indian Institute of Technology (Indore) Khandwa Road, Simrol Indore - 453 552 Madhya Pradesh	62.70	36
1596	Design & evaluation of a multi-objective controller for a continuous biocrude reactor	DST-SERB-CRG	Murthy,G.S., Prof. (M) Indian Institute of Technology (Indore) Khandwa Road, Simrol Indore - 453 552 Madhya Pradesh	51.80	36
1597	Design & fabrication of light-weight flexible polarization independent broadband Rf & microwave absorber based on active/passive anisotropic metamaterial	DST-SERB-CRG	Chaudhary,R.K., Dr. (M) Assistant Professor Indian Institute of Technology (Dhanbad) Sardar Patel Nagar Dhanbad - 826 004 Jharkhand	69.30	36
1598	Design & fabrication of low cost pressure & vibration assisted Waam machine to control residual stress & grain structure	DST-SERB-CRG	Bera,T.K., Dr. (M) Associate Professor Thapar Institute of Engineering & Technology Adarsh Nagar, Prem Nagar Patiala - 147 004 Punjab	15.51	36

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1599	Design & implementation of low-complexity wavelet encoder using approximate computations for wireless visual sensor network applications	DST-SERB-CRG	Mohanty,B.K., Prof. (M) Narsee Monjee Institute of Management Studies Shirpur Campus, Tapi River Bank Mumbai - 400 056 Maharashtra	24.57	36
1600	Design of a framework to resist image-based adversarial attacks on deep learning models	DST-SERB-CRG	Sur,A., Dr. (M) Associate Professor Indian Institute of Technology (Guwahati) Surjyamukhi Road, North Amingaon Guwahati - 781 039 Assam	29.29	36
1601	Design of charge recycling ternary Rf Dac based transmitter for software defined radios	DST-SERB-CRG	Palani,R.K., Dr. (M) Assistant Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	46.47	36
1602	Design of stainless steel chemistry for realization of colossal nitrogen supersaturation upon low temperature nitriding	DST-SERB-CRG	Meka,S.R., Dr. (M) Assistant Professor Indian Institute of Technology (Roorkee ) Haridwar-Roorkee Highway Roorkee - 247 667 Uttarakhand	67.91	36
1603	Design of stone column-improved soft ground considering clogging effect based on long-term field study	DST-SERB-CRG	Deb,K., Dr. (M) Associate Professor Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	32.27	36
1604	Design of structurally modified nanoceria with enhanced haloperoxidase activity to combat Sulphate reducing bacteria (Srb) induced biocorrosion: A biomimetic approach to combat Microbiologically - influences corrosion (Mic) of marine structures	DST-SERB-CRG	Chandraprabha,M.N., Dr. (F) Professor Ms. Ramaiah College of Arts, Science & Commerce 7th Main Road, M.S.R. Nagar, Mathikere Bengaluru - 560 054 Karnataka	41.84	36
1605	Design, evaluation & analysis of meta-heuristic Algorithms for uncertainty management in integrated renewable energy system	DST-SERB-CRG	Parouha,R.P., Dr. (M) Assistant Professor Indira Gandhi National Tribal University Kapil Dhara Road, Mekal Sadan, District Anuppur Amarkantak - 484 886 Madhya Pradesh	22.19	36
1606	Design, synthesise & engineer nanomaterials for better light management in organic & perovskite photovoltaic cells to improve their performance	DST-SERB-CRG	Ramamurthy,P.C., Prof. (M) Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	40.26	36
1607	Developing improved algorithms for intelligent video surveillance	DST-SERB-CRG	Chattopadhyay,P., Dr. (M) Assistant Professor Indian Institute of Technology (BHU) Banaras Hindu University Unnao - 221 005 Uttar Pradesh	29.08	36
1608	Developing psyllium husk based polysaccharide hydrogel into electrospinnable & 3d printable materials: Towards fabrication & comparative evaluation of lyophilized, electrospun & 3d-bioploted scaffolds for liver tissue engineering	DST-SERB-CRG	Mahto,S.K., Dr. (M) Assistant Professor Indian Institute of Technology (BHU) Banaras Hindu University Varanasi - 221 005 Uttar Pradesh	42.52	36
1609	Development & application of a Gpu based coupled Dem-Cfd model for predicting non-spherical particle dynamics & performance of mineral processing unit operations	DST-SERB-CRG	Mangadoddy,N., Dr. (M) Associate Professor Indian Institute of Technology (Hyderabad) Kandi Village Sangareddy - 502 285 Telangana	57.24	36
1610	Development & application of a Stochastic rainfall generator (Srg) to account for unprecedented rainfall events	DST-SERB-CRG	Dasbhowmik,R., Dr. (M) Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	42.06	36

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1611	Development & clinical validation of an electro-thermo-mechanical phenotyping-based cancer prognostic tool for better disease management of breast cancer	DST-SERB-CRG	Gogoi,G., Dr. (F) Assistant Professor Assam Medical College & Hospital Barbari Dibrugarh - 786 002 Assam	50.91	36
1612	Development & fabrication of 2d materials as alternative counter electrodes for flexible Dye sensitized solar cells (Dsscs) & alternative Hole transport materials (Htms) for noble metal free Flexible perovskite solar cells (Fpsc)	DST-SERB-CRG	Grace,N.A., Dr. (F) Director & Professor Vellore Institute of Technology University Tiruvalam Road, Katpadi Vellore - 632 014 Tamil Nadu	44.93	36
1613	Development & performance chacterization of crosslinked Beta-Cyclodextrin polymer based thin-film composite nanofiltration ceramic membrane	DST-SERB-CRG	Mukherjee,A., Dr. (M) Senior Scientist CSIR-Central Glass & Ceramic Research Institute 196, Raja S.C. Mullick Road Kolkata - 700 032 West Bengal	34.16	36
1614	Development & stability of a laboratory scale columnar (Cyclone) vortex	DST-SERB-CRG	Das,D., Dr. (M) Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	57.02	36
1615	Development of 2d heterostructures based wear & corrosion-resistant coatings	DST-SERB-CRG	Sajith,V., Dr. (M) Associate Professor National Institute of Technology (Calicut) Calicut Mukkam Road, Kattangal Kozhikode - 673 601 Kerala	29.52	36
1616	Development of a hybrid Rans-Less solver based on Kolmogorov's hypothesis for separated flows	DST-SERB-CRG	Eswaran,V., Prof. (M) Indian Institute of Technology (Hyderabad) Kandi Village Sangareddy - 502 285 Telangana	26.84	36
1617	Development of a hybrid two-way coupled Rans-Les model for numerical simulation of turbulent flows	DST-SERB-CRG	Bhattacharya,A., Dr. (M) Associate Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	27.98	36
1618	Development of a novel-solar driven Dedicated outdoor air system (Doas) for space heating & liquid desiccant dehumidification with direct/indirect contact heat/mass exchangers for Meghalaya region	DST-SERB-CRG	Das,R.S., Dr. (M) Assistant Professor National Institute of Technology (Meghalaya) Bijni Complex, Laitumkhras Shillong - 793 003 Meghalaya	32.42	36
1619	Development of a small Gdi optical engine for flow & combustion studies	DST-SERB-CRG	Mittal,M., Dr. (M) Associate Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	44.92	36
1620	Development of Al3bc reinforced novel in-situ Al-based metal matrix composites via warm-extrusion for commercial-scale production	DST-SERB-CRG	Roy,D., Dr. (M) Associate Professor National Institute of Foundry & Forge Technology Hatia Ranchi - 834 003 Jharkhand	28.64	36
1621	Development of Augmented reality (Ar) - enabled tool for guidance in cervical cancer screening by visual inspection method in single visit approach	DST-SERB-CRG	Singhal,S., Dr. (F) Associate Professor All India Institute of Medical Sciences Ansari Nagar New Delhi - 110 029 Delhi	35.75	36
1622	Development of biodegradable microperforated panel with non-uniform cross-section through 3d printing for sound absorption applications	DST-SERB-CRG	Jeyaraj,P., Dr. (M) Associate Professor National Institute of Technology (Karnataka) NH 65, Srinivasnagar Surathkal - 575 025 Karnataka	36.23	36
1623	Development of coaxial multi-wire feed mechanism for uniform & high rate of metal deposition for additive manufacturing application	DST-SERB-CRG	Madhukar,Y.K., Dr. (M) Assistant Professor Indian Institute of Technology (Indore) Khandwa Road, Simrol Indore - 453 441 Madhya Pradesh	22.66	36

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1624	Development of configurable digital holographic microscope for microfluidics applications	DST-SERB-CRG	Kulkarni,R.D., Dr. (M) Assistant Professor Indian Institute of Technology (Guwahati) Surjyamukhi Road, North Amingaon Guwahati - 781 039 Assam	52.70	36
1625	Development of cyber resilient protection scheme for AC microgrid	DST-SERB-CRG	Mohanty,S.R., Dr. (M) Associate Professor Indian Institute of Technology (BHU) Banaras Hindu University Varanasi - 221 005 Uttar Pradesh	47.41	36
1626	Development of dual colour beam scanning - particle image velocimetry (Dcbs-Piv) system for flow field measurement in air-conditioned spaces	DST-SERB-CRG	Arghode,V.K., Dr. (M) Associate Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	49.21	36
1627	Development of electrospun Ceria-based nanofibers for diesel soot oxidation activity	DST-SERB-CRG	Dasari,H.P., Dr. (M) Associate Professor National Institute of Technology (Karnataka) NH 66, Srinivasnagar Surathkal - 575 025 Karnataka	36.57	36
1628	Development of endothermic fuel for supersonic vehicle applications	DST-SERB-CRG	Dinda,S., Dr. (M) Associate Professor Birla Institute of Technology & Science (Pilani ) Shamirpet-Keesara Road, Jawahar Nagar, Shameerpet Hyderabad - 500 078 Telangana	42.26	36
1629	Development of English to Bharti Braille machine assisted translation system	DST-SERB-CRG	Joshi,N., Dr. (M) Associate Professor Banasthali Vidyapeeth Banasthali - 304 022 Rajasthan	26.60	36
1630	Development of enhanced heat pipes with superhydrophobic & superhydrophilic surfaces & wettability gradients for high density electronics cooling	DST-SERB-CRG	Hemadri,V.A., Dr. (M) Assistant Professor Birla Institute of Technology & Science (Pilani ) NH 17b, Bypass Road, Sancoale Zuarinagar - 403 726 Goa	23.32	36
1631	Development of high performance materials through tailoring of 3d printed microstructure	DST-SERB-CRG	Jain,A., Dr. (M) Assistant Professor Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	48.34	36
1632	Development of indigenous cost effective retrofit quasi dynamic high-performance wireless power transfer charging modules for slow moving roadway-powered elecatric vehicles	DST-SERB-CRG	Narayanamoorthi,R., Dr. (M) Assistant Professor S.R.M. Institute of Sciences & Technology S.R.M. Nagar Kattankulathur - 603 203 Tamil Nadu	56.60	36
1633	Development of internet of things enabled phasor & power quality monitoring devices for smart power grids	DST-SERB-CRG	Samantaray,S.R., Dr. (M) Associate Professor Indian Institute of Technology (Bhubaneswar) Arugul, Jatni Bhubaneswar - 752 050 Odisha	29.25	36
1634	Development of mesoporous materials with enhanced hydrogen uptake for fuell cell vehicles	DST-SERB-CRG	Sujith,R., Dr. (M) Assistant Professor Birla Institute of Technology & Science (Pilani ) Shamirpet-Keesara Road, Jawahar Nagar, Shameerpet Hyderabad - 500 078 Telangana	29.14	36
1635	Development of multi-spectral (Thermal/visible) imaging system for fever screening in crowded places for detection of infectious diseases	DST-SERB-CRG	Krishnan,P.T., Dr. (M) Assistant Professor St. Joseph's College of Engineering Kamaraj Nagar, Semmancheri Chennai - 600 119 Tamil Nadu	11.62	24
1636	Development of optically transparent & translucent Zirconia ceramic products for advanced technological applications	DST-SERB-CRG	Chowdhury,A., Dr. (M) Associate Professor Indian Institute of Technology (Patna) Bihta Patna - 800 024 Bihar	62.24	36

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1637	Development of polypyrrole coated Mg alloys for degradable fracture fixation devices	DST-SERB-CRG	Roy,M., Dr. (M) Assistant Professor Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	38.76	36
1638	Development of scaled-up pump-less. Free-convection-driven, soluble lead redox flow battery	DST-SERB-CRG	Nandanwar,M.N., Dr. (M) Assistant Professor Amrita Vishwa Vidyapeetham Amritanagar, Ettimadai Coimbatore - 641 112 Tamil Nadu	34.49	36
1639	Development of semantic-aware structure preserving image filtering techniques	DST-SERB-CRG	Patra,S., Dr. (M) Assistant Professor Tezpur University Napaam Tezpur - 784 028 Assam	38.88	36
1640	Development of sketch-based immersive environment for articulated product concept exploration	DST-SERB-CRG	Onkar,P.S., Dr. (M) Assistant Professor Indian Institute of Technology (Hyderabad) Kandi Village Sangareddy - 502 285 Telangana	28.42	36
1641	Development of Tio2 nanotubes (Tnt) surfaces with tailored properties for biomedical applications	DST-SERB-CRG	Mote,R., Dr. (M) Associate Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	57.26	36
1642	Effect of oblique non-uniform suction & injection on the global stability of the flat-plate boundary layer	DST-SERB-CRG	Bhoraniya,R.M., Dr. (M) Associate Professor Marwadi Education Foundation Rajkot-Morbi Road, Gauridab Rajkot - 360 003 Gujarat	22.01	36
1643	Effect of retroactivity on operating regimes of an enzymatic cascade at ensemble-level during Tnfa signaling	DST-SERB-CRG	Viswanathan,G.A., Prof. (M) Associate Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	69.15	36
1644	Effect of titanium & zirconium addition on the nano-cluster formation & creep properties of ferritic Oxide dispersion strengthened (Ods) steel processed by powder forging	DST-SERB-CRG	Dabhade,V.V., Dr. (M) Associate Professor Indian Institute of Technology (Roorkee ) Roorkee-Haridwar Highway Roorkee - 247 667 Uttarakhand	35.76	36
1645	Effects of phase change, coalescence & breakup on raindrop dynamics	DST-SERB-CRG	Sahu,K.C., Prof. (M) Indian Institute of Technology (Hyderabad) Kandi Village Sangareddy - 502 285 Telangana	56.08	36
1646	Efficient resource allocation for spectrally-spatially elastic optical networks	DST-SERB-CRG	Chatterjee,B.C., Dr. (M) Assistant Professor South Asian University Akbar Bhawan, Chanakyapuri New Delhi - 110 021 Delhi	48.14	36
1647	Electrostatic spray & Cvd based textured & solid lubricated Cbn-Tialn-graphene coating for cutting tools	DST-SERB-CRG	Guduru,R.K., Dr. (M) Associate Professor Pandit Deendayal Energy University Raisen Gandhinagar - 382 007 Gujarat	43.60	36
1648	Enabling distribution beamforming via machine learning for energy efficient communications	DST-SERB-CRG	Agarwal,S., Dr. (M) Assistant Professor Indian Institute of Technology (Ropar) Nangal Road, Hussainpur Rupnagar - 140 001 Punjab	46.15	36
1649	Engineering of interfaces to destabilize pickering emulsions	DST-SERB-CRG	Mani,E., Dr. (M) Associate Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	67.26	36

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1650	Enhanced strength-to-weight ratio inconel-718 alloy structures made by additive manufacturing for aerospace applications	DST-SERB-CRG	Regalla,S.P., Dr. (M) Professor Birla Institute of Technology & Science (Pilani ) Shamirpet-Keesara Road, Jawahar Nagar, Shameerpet Hyderabad - 500 078 Telangana	25.34	36
1651	Enhancement of mechanical properties & forming behavior of Az31 alloy using shear deformation techniques for automotive & aerospace applications	DST-SERB-CRG	Singh,S.K., Dr. (M) Professor Gokaraju Rangaraju Institute of Engineering & Technology Bachupally, Kukatpally Hyderabad - 500 090 Telangana	26.66	36
1652	Enhancement of mechanical properties through microstructure modifications in non-equiatomic cocrfeni high entropy alloys	DST-SERB-CRG	Jain,J., Dr. (M) Associate Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	26.51	36
1653	Evaluation of column-to-beam flexural capacity ratio for strong-column weak-beam design in Rc buildings	DST-SERB-CRG	Kaushik,H.B., Prof. (M) Indian Institute of Technology (Guwahati) Surjyamukhi Road, North Amingaon Guwahati - 781 039 Assam	40.48	36
1654	Experimental & numerical studies on secondary breakup of gel (non-Newtonian) droplets	DST-SERB-CRG	Gadgil,H., Dr. (M) Associate Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	39.09	36
1655	Experimental investigation & Cfd modeling of centrifugal slurry pump for handling non-Newtonian solid-liquid flow	DST-SERB-CRG	Kumar,S., Dr. (M) Associate Professor National Institute of Technology (Jamshedpur) Adityapur Jamshedpur - 831 014 Jharkhand	37.04	36
1656	Experimental investigation of toxicity & mutagenicity of particulates & combustion stability in conventional as well as advanced high-efficiency reciprocating engines using different alternative fuels	DST-SERB-CRG	Maurya,R.K., Dr. (M) Associate Professor Indian Institute of Technology (Ropar) Nangal Road, Hussainpur Rupnagar - 140 001 Punjab	29.69	36
1657	Experimental investigations of early transition in viscoelastic channel flows	DST-SERB-CRG	Shankar,V., Prof. (M) Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	73.54	36
1658	Experimental investigations on flow boiling instabilities in mini-and microchannels	DST-SERB-CRG	Pandey,M., Prof. (M) Indian Institute of Technology (Guwahati) Surjyamukh Road, North Amingaon Guwahati - 781 039 Assam	74.43	36
1659	Exploration of novel spintronic devices based on two-dimensional magnets	DST-SERB-CRG	Mahapatra,S., Prof. (M) Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	61.80	36
1660	Exploring new algorithmic methods for computing with full memory	DST-SERB-CRG	Sarma,J., Dr. (M) Associate Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	21.16	36
1661	Fabrication & demonstration of a state-of-the-art C-band optical modulator in silicon photonics platform for 400g networks	DST-SERB-CRG	Sonkar,R.K., Dr. (M) Assistant Professor Indian Institute of Technology (Guwahati) Surjyamukhi Road, North Amingaon Guwahati - 781 039 Assam	39.27	36
1662	Fabrication of nanostructured copper surfaces for functional applications	DST-SERB-CRG	Mukherjee,M., Dr. (M) Assistant Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	38.32	36

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1663	Fast charging high energy density lithium ion batteries with nanoporous silicon anodes	DST-SERB-CRG	Pati,S., Dr. (M) Assistant Professor Indian Institute of Technology (Bhubaneswar) Arugul, Jatni Bhubaneswar - 752 050 Odisha	56.21	36
1664	Field scale biogenic treatment for crack remediation & self-healing in concrete structures	DST-SERB-CRG	Reddy,M.S., Prof. (M) Thapar Institute of Engineering & Technology Adarsh Nagar, Prem Nagar Patiala - 147 004 Punjab	47.35	36
1665	Force & vibration analysis in biomechanical preparation of root canals using endodontic file system: In-vitro study	DST-SERB-CRG	Kankar,P.K., Dr. (M) Associate Professor Indian Institute of Technology (Indore) Khandwa Road, Simrol Indore - 453 552 Madhya Pradesh	34.03	36
1666	Formation of Double network structure (Dns) in elastomer with improved mechanical & dynamic mechanical properties	DST-SERB-CRG	Naskar,K., Prof. (M) Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	51.37	36
1667	Functionalization of red mud for simultaneous remediation of fluoride, arsenic & iron contaminants from water & utilization of waste sludge thereform in the development of glass-ceramic foam	DST-SERB-CRG	Naskar,M.K., Dr. (M) Sr. Principal Scientist CSIR-Central Glass & Ceramic Research Institute 196, Raja S.C. Mullick Road Kolkata - 700 032 West Bengal	34.16	36
1668	Fundamental study of polar liquids inside slit-like nanochannels	DST-SERB-CRG	Nandigana,V., Dr. (M) Assistant Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	70.39	36
1669	Gan-based 48v battery driven high power density Dc power supply architectures for Advanced driver assistance system (Adas) in future hybrid vehicles	DST-SERB-CRG	Kapat,S., Prof. (M) Associate Professor Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	54.21	36
1670	Graphene based membrane for water desalination with improved properties	DST-SERB-CRG	Keshri,A.K., Dr. (M) Assistant Professor Indian Institute of Technology (Patna) Bihta Patna - 801 106 Bihar	33.11	36
1671	Halting the release of antimicrobial resistance & pathogens into the environment from Indian dairies (Amrit)	DST-SERB-CRG	Singh,G., Dr. (F) Assistant Professor Indian Institute of Technology (Roorkee ) Roorkee-Haridwar Highway Roorkee - 247 667 Uttarakhand	43.89	36
1672	High strain rate behavior & constitutive modeling of aluminium alloys	DST-SERB-CRG	Pare,V., Dr. (M) Associate Professor Shri Govindram Seksarai Institute of Technology & Science 23, M. Visvesvaraya Marg, Vallabh Nagar Indore - 452 003 Madhya Pradesh	42.18	36
1673	High strength hydrogels - synthesis, rheology & applications	DST-SERB-CRG	Thareja,P., Dr. (F) Associate Professor Indian Institute of Technology (Gandhinagar) Chandkheda Ahmedabad - 382 355 Gujarat	45.41	36
1674	High temperature fracture studies in single crystals - experiments & simulations	DST-SERB-CRG	Jonnalagadda,K.N., Prof. (M) Associate Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	74.58	36
1675	High voltage (~5V) ultrafast charging/discharging cathode materials in bulk & nano Geometries for high power Li Ion recharging batteries	DST-SERB-CRG	Dixit,A., Dr. (M) Associate Professor Indian Institute of Technology (Jodhpur) NH 65, Surpura Bypass Road, Karwar Jodhpur - 342 030 Rajasthan	40.26	36



## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
1676	Identification of processes controlling geogenic uranium & arsenic pollution in Indian aquifers for long-term in situ remediation	DST-SERB-CRG	Singh,A., Dr. (M) Assistant Professor Indian Institute of Technology (Kanpur) Kannauj - 208 016 Uttar Pradesh	70.83	36
1677	Implementation of adaptive reactive power compensation mechanism for enhance power quality in weak grid connected solar inverter under varying solar irradiance	DST-SERB-CRG	Sekhar,K.R., Dr. (M) Assistant Professor Indian Institute of Technology (Ropar) Nangal Road, Hussainpur Rupnagar - 140 001 Punjab	32.49	36
1678	Implicit regularization of inverse problems in computational imaging	DST-SERB-CRG	Chaudhury,K.N., Prof. (M) Associate Professor Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	41.34	36
1679	Indentation-assisted phase engineered silicon for solar applications	DST-SERB-CRG	Mangalampalli,K.S., Dr. (M) Assistant Professor S.R.M. Institute of Sciences & Technology S.R.M. Nagar Kattankulathur - 603 203 Tamil Nadu	37.62	36
1680	Influence of annealing & aging treatment on tensile & low cycle fatigue deformation behaviour of low density steel	DST-SERB-CRG	Kundu,A., Dr. (F) Associate Professor Jadavpur University 188, Raja S.C. Mullick Road, Jadavpur Kolkata - 700 032 West Bengal	46.74	36
1681	Influence of four-phonon scattering & phonon hydrodynamics on thermal transport in transition metal dichalcogenides	DST-SERB-CRG	Ravichandran,N.K., Dr. (M) Assistant Professor Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	73.64	36
1682	Influence of hydrogen on fatigue & fracture performance of ferritic-martensitic steel (P91) both at room & elevated temperature	DST-SERB-CRG	Singh,A., Dr. (M) Associate Professor Indian Institute of Technology (Patna) Bihta Patna - 801 106 Bihar	36.41	36
1683	In-situ formed metal oxide coated inert anode for impressed current cathodic protection of steel structure	DST-SERB-CRG	Mondal,K., Dr. (M) Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	32.76	36
1684	Integration of Uav photogrammetry & terrestrial lidar for digital documentation of heritage monuments using Building information modelling (Bim)	DST-SERB-CRG	Venkata,S.D., Dr. (M) Assistant Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	43.54	36
1685	Investigation of combustion instabilities in trapped vortex combustors	DST-SERB-CRG	Nair,V., Dr. (M) Assistant Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	39.26	36
1686	Investigation of effects of shear & stratification on swirling H <sub>2</sub> /Cng - air flames	DST-SERB-CRG	De,S., Dr. (M) Associate Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	69.56	36
1687	Investigation of the high temperature deformation & creep behavior of Fe-Mn-Al-C low density steels	DST-SERB-CRG	Korla,R., Dr. (M) Assistant Professor Indian Institute of Technology (Hyderabad) Kandi Village Sangareddy - 502 285 Telangana	43.71	36
1688	Investigation on machine learning approaches for optimisation of process parameters for additive manufacturing & accelerated design of patient specific hip implants, based on finite element analysis	DST-SERB-CRG	Basu,B., Prof. (M) Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	48.37	36

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Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
1689	Investigation on nano-technology based thermionic cathode for high power Vacuum electron devices ( Veds)	DST-SERB-CRG	Shukla,S.K., Dr. (M) Senior Scientist CSIR-Central Electronics Engineering Research Institute Pilani - 333 031 Rajasthan	26.29	36
1690	Investigation on the role of evaporation driven flows in the self-assembly of nanoparticles	DST-SERB-CRG	Gurappa,B.M., Dr. (M) Associate Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	43.47	36
1691	Investigation, development & optimisation of a comprehensive blast design for the desired fragmentation incorporating rock mass parameters, rock quality, explosive parameters & initiation method	DST-SERB-CRG	Mishra,M.K., Dr. (M) Professor National Institute of Technology (Rourkela) Sector 1 Rourkela - 769 008 Odisha	39.42	36
1692	Investigations on flow deflection about savonius hydrokinetic turbines & its design evolution with core technical concepts	DST-SERB-CRG	Patel,V.K., Dr. (M) Assistant Professor Sardar Vallabhbhai National Institute of Technology Ichchhanath Surat - 395 007 Gujarat	20.24	36
1693	Investigations on thermal-hydraulic instabilities & heat transfer deterioration in a supercritical fluid system	DST-SERB-CRG	Dutta,G., Dr. (M) Associate Professor Indian Institute of Technology (Jammu) Nagrota Bypass Road Jammu - 181 221 Jammu & Kashmir	52.64	36
1694	Kinetics of CO <sub>2</sub> corrosion in pipeline: Influence of fluid flow & corrosion inhibitors	DST-SERB-CRG	Barik,R.C., Dr. (M) Scientist CSIR-Central Electronics Engineering Research Institute College Road Karaikudi - 630 003 Tamil Nadu	23.40	36
1695	Linear & non-linear bulk rheology of cell monolayer	DST-SERB-CRG	Mehandia,V., Dr. (M) Assistant Professor Indian Institute of Technology (Ropar) Nangal Road, Hussainpur Rupnagar - 140 001 Punjab	31.54	36
1696	Low profile dielectric resonator antennas for compact, wideband & conformal applications	DST-SERB-CRG	Mukherjee,B., Dr. (M) Assistant Professor Indian Institute of Information Technology, Design & Manufacturing Pandit Dwarka Prasad Mishra, Dumna Airport Road Jabalpur - 482 005 Madhya Pradesh	26.07	36
1697	Macroporous polymeric gels reinforced with organically modified silica for water disinfection: Synthesis, antimicrobial activity, nanoscale mechanical characterization	DST-SERB-CRG	Nebhani,L., Dr. (F) Assistant Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	45.91	36
1698	Measurement of laminar burning velocities of liquid fuel-air mixtures at high temperature & pressure conditions	DST-SERB-CRG	Kumar,S., Dr. (M) Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	55.24	36
1699	Measuring spatial inhomogeneity in porous electrodes for electrochemical energy storage systems	DST-SERB-CRG	Suthar,B., Dr. (M) Assistant Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	59.16	36
1700	Mechanistic & reactor-scale studies on elucidating the effect of gas composition on performance of novel Non-Pgm catalysis for Nox storage & reduction	DST-SERB-CRG	Bhatia,D., Dr. (M) Associate Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	73.41	36

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
1701	Micro scale investigation of miscibility behaviour of CO <sub>2</sub> with crude oil for enhanced oil recovery & its geological sequestration potential in the oil fields of Cambay basin	DST-SERB-CRG	Mandal,A., Dr. (M) Professor Indian Institute of Technology (Dhanbad) Sardar Patel Nagar Dhanbad - 826 004 Jharkhand	44.81	36
1702	Mine slope management & monitoring system	DST-SERB-CRG	Koner,R., Dr. (M) Indian Institute of Technology (Dhanbad) Sardar Patel Nagar Dhanbad - 826 004 Jharkhand	39.97	36
1703	Modeling & analysis of quantum effects for sub-10 nm nanowire based devices	DST-SERB-CRG	Raman,A., Dr. (M) Assistant Professor Dr. B.R. Ambedkar National Institute of Technology (Jalandhar) Jalandhar - 144 011 Punjab	18.98	36
1704	Modelling extreme risk of water quality under hydro-climatic variability for major river basins of India	DST-SERB-CRG	Rehana,S., Dr. (F) Assistant Professor International Institute of Information Technology Professor C.Rao Road, Gachibowli Hyderabad - 500 032 Telangana	40.72	36
1705	Models & control algorithms for slender elastic rods & ribbons with applications in 3d printing, flexible robotics & manufacturing	DST-SERB-CRG	Rangarajan,R., Dr. (M) Assistant Professor Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	64.01	36
1706	Motion on anisotropic particles in viscoelastic shearing flows: Microstructure, rheology & shear-induced migration	DST-SERB-CRG	Subramanian,G., Dr. (M) Professor Jawaharlal Nehru Centre for Advanced Scientific Research Rachenahalli Lake Road, Jakkur Bengaluru - 560 064 Karnataka	51.32	36
1707	Multi-component (high entropy) diborides & carbides for ultra high temperature applications	DST-SERB-CRG	Biswas,K., Prof. (M) Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	64.61	36
1708	Multifunctional hydrogen bonded thermo-responsive nanocapsules: An indigenous carrier system for cancer theranostics & anti-viral applications?	DST-SERB-CRG	Sundaramurthy,A., Dr. (M) Associate Professor S.R.M. Institute of Sciences & Technology S.R.M. Nagar Kattankulathur - 603 203 Tamil Nadu	29.75	36
1709	Multiphase analysis of inclusion transport & removal in continuous casting products with use of electromagnetic stirrer	DST-SERB-CRG	Jha,P.K., Prof. (M) Associate Professor Indian Institute of Technology (Roorkee ) Roorkee-Haridwar Highway Roorkee - 247 667 Uttarakhand	34.31	36
1710	Nacre-mimetic highly-filled polyethylene hybrids	DST-SERB-CRG	Kumaraswamy,G., Prof. (M) Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	75.71	36
1711	Nanophotonic structures based on composite materials for integrated silicon photonic devices	DST-SERB-CRG	Kumar,M., Dr. (M) Associate Professor Indian Institute of Technology (Indore) Khandwa Road, Simrol Indore - 452 001 Madhya Pradesh	55.13	36
1712	Non-noble plasmonics & beta <sup>2</sup> -Xny/Cuo quantum dot heterostructure based photocatalysts for tandem grey water	DST-SERB-CRG	Thomas,T., Dr. (M) Associate Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	36.11	36
1713	Numerical modelling & tailoring of residual stress in ultrasonic-assisted abrasive	DST-SERB-CRG	Daschakladar,N., Dr. (M) Assistant Professor Grade I Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	35.42	36

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

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1714	One step treatment of metal contaminated waste water with Co-synthesis of nano metal carbon hybrids & generation of H <sub>2</sub> rich fuel gas mixture	DST-SERB-CRG	Narapureddy,S., Dr. (M) Assistant Professor Indian Institute of Technology (Roorkee ) Roorkee-Haridwar Highway Roorkee - 247 667 Uttarakhand	37.06	36
1715	Optimization of corrosion & wear properties in plasma sprayed Fe based metallic glass protective coating	DST-SERB-CRG	Laha,T., Prof. (M) Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	48.51	36
1716	Parameter & topology estimation of distribution network	DST-SERB-CRG	Khatod,D.K., Dr. (M) Associate Professor Indian Institute of Technology (Roorkee ) Roorkee-Haridwar Highway Roorkee - 247 667 Uttarakhand	26.72	36
1717	Particle migration & margination in bidispersed fluid flow through constricted channel	DST-SERB-CRG	Mahalingam,A., Dr. (M) Associate Professor National Institute of Technology (Karnataka) NH 66, Srinivasnagar Surathkal - 575 025 Karnataka	29.26	36
1718	Partitioning evapotranspiration into evaporation & transpiration fluxes using stable isotopes of oxygen & hydrogen	DST-SERB-CRG	Tripathi,S., Dr. (M) Associate Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	71.84	36
1719	Physiologic amino acid concentrations for improving cell culture performance	DST-SERB-CRG	Gadgil,M., Dr. (F) Principal Scientist CSIR-National Chemical Laboratory Dr. Homi Bhabha Road, Pashan Pune - 411 008 Maharashtra	38.37	36
1720	Post-processing of direct energy deposition components: Need identification & process selection	DST-SERB-CRG	Panigrahi,B.B., Prof. (M) Associate Professor & HOD Indian Institute of Technology (Guwahati) Kandi Village Sangareddy - 502 285 Telangana	43.49	36
1721	Predicting grease lubrication behavior: (A) Novel methods to determine grease rheology at extremely large shear rates & (B) The role of nanoscale & mesoscale structure of grease in film formation inside tribocontact	DST-SERB-CRG	Shaukat,A., Dr. (F) Assistant Professor Birla Institute of Technology & Science (Pilani ) NH 17B, Bypass Road, Sancoale Zuarinagar - 403 726 Goa	40.65	36
1722	Quantifying geometrically necessary dislocations, backstress & residual strains using crystal plasticity finite element modeling, dislocation dynamics & experiments	DST-SERB-CRG	Patra,A., Prof. (M) Assistant Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	66.80	36
1723	Rate dependent transition to thermoacoustic instability	DST-SERB-CRG	Sujith,R.I., Dr. (M) Chair Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	67.14	36
1724	Real-time condition monitoring & fault diagnosis of centrifugal pump motor system based on edge-computing devices with multi-sensor data & artificial intelligence	DST-SERB-CRG	Laha,S.K., Dr. (M) Senior Scientist CSIR-Central Mechanical Engineering Research Institute Mahatma Gandhi Avenue Durgapur - 713 209 West Bengal	22.51	36
1725	Real-Time measurement & assessment of ground vibration induced by metro & high speed trains moving over elevated viaducts	DST-SERB-CRG	Manna,B., Prof. (M) Associate Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	69.11	36
1726	Recovery of lithium & cobalt values from discarded lithium-ion batteries	DST-SERB-CRG	Dhawan,N., Dr. (M) Assistant Professor Indian Institute of Technology (Roorkee ) Roorkee-Haridwar Highway Roorkee - 247 667 Uttarakhand	31.72	36

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Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1727	Reinforcement corrosion in bridge bent caps - fatigue response: An experimental & analytical study	DST-SERB-CRG	Karthik,M.M., Dr. (M) Assistant Professor Indian Institute of Technology (Palakkad) Ahila Integrated Campus, District Palakkad Kozhippara - 678 557 Kerala	34.22	36
1728	Robust multi-view learning for extreme events detection & prediction in time series data	DST-SERB-CRG	Bhadra,S., Dr. (F) Assistant Professor Indian Institute of Technology (Palakkad) Ahila Integrated Campus, District Palakkad Kozhikode - 678 557 Kerala	39.17	36
1729	Self-assembly of block copolymers under confinement	DST-SERB-CRG	Chokshi,P., Dr. (M) Associate Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	33.53	36
1730	Shear stress effects on metastasizing cancer cells - towards better cancer therapies	DST-SERB-CRG	Suraishkumar,G.K., Prof. (M) Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	52.48	36
1731	Smart & precision agriculture for potato cultivation in West Bengal: An Information & Communication Technology (ICT) based effort	DST-SERB-CRG	Bose,A., Dr. (M) Sr. Scientific Officer Burdwan University Rajbati, Raigan Burdwan - 713 104 West Bengal	26.59	36
1732	Smart manufacturing platform for hybrid tandem wire arc additive manufacturing process	DST-SERB-CRG	Degala,K.V., Dr. (M) Assistant Professor Indian Institute of Technology (Tirupati) A Renigunta Road, Post Settipalli Tirupati - 517 506 Andhra Pradesh	42.65	36
1733	Stability of microstructure under thermal & stress conditions in Alloy 718 plus	DST-SERB-CRG	Shanmugam,S., Dr. (M) Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	44.81	36
1734	Study of self-organization of ferrofluidic-polymer thin film in presence of an external magnetic/electric field	DST-SERB-CRG	Sarkar,J., Dr. (F) Associate Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	34.05	36
1735	Study of shocks & wakes in granular flows	DST-SERB-CRG	Kumar,S., Dr. (M) Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	45.69	36
1736	Study on weldability of maraging steel by conventional & high energy density welding	DST-SERB-CRG	Bandyopadhyay,T.K., Dr. (M) Associate Professor Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	41.58	36
1737	Sustainable exploitation of industrial wastes in rubber composites for isolators & battery packing in electrical vehicles	DST-SERB-CRG	Chattopadhyay,S., Prof. (M) Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	39.71	36
1738	Tailoring the interface between epoxy & carbon fiber through 'Click Chemistry' & self-heating routes	DST-SERB-CRG	Kumar,S., Prof. (M) Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	59.97	36
1739	Technology development & demonstration for stanag level 3/4 rated composite integral armour for Infantry fighting vehicles (Ifvs)	DST-SERB-CRG	Biswas,K., Prof. (M) Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	37.03	36
1740	Technology for aberration free polymer bi-spheric lens for indirect ophthalmology	DST-SERB-CRG	Bensingh,R.J., Dr. (M) Senior Scientist Central Institute of Plastics Engineering & Technology T.V.K. Industrial Estate, Guindy Chennai - 600 032 Tamil Nadu	38.10	36

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
1741	Thermo-mechanical characteristics of interstitial-substitutional high entropy co-crystalline (C,N) alloy	DST-SERB-CRG	Pancholi,V., Dr. (M) Associate Professor Indian Institute of Technology (Roorkee ) Roorkee-Haridwar Highway Roorkee - 247 667 Uttarakhand	27.73	36
1742	Thermosyphon based passive interfacial solar steam generation for high-productivity desalination	DST-SERB-CRG	Khandekar,S., Prof. (M) Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	71.02	36
1743	To develop biocompatible materials with a wide supercooled liquid region in bulk metallic glass systems	DST-SERB-CRG	Bhatt,J., Dr. (M) Associate Professor Visvesvaraya National Institute of Technology (Nagpur) South Ambazari Road Nagpur - 440 010 Maharashtra	79.96	36
1744	Towards 3-Tesla coercivity Nd-Fe-B magnets without dysprosium addition into the bulk	DST-SERB-CRG	Seelam,U., Dr. (M) Assistant Professor National Institute of Technology (Warangal) Warangal - 506 004 Telangana	29.80	36
1745	Tribo-printing of self-healing & self-lubricating hybrid nano-coatings for energy efficient tribological applications	DST-SERB-CRG	Gosvami,N.N., Dr. (M) Assistant Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	48.22	36
1746	Tuning heterogeneous nanostructures via strain-partition engineering for developing cobalt-free cost-effective eutectic high entropy alloys with outstanding strength-ductility synergy	DST-SERB-CRG	Bhattacharjee,P.P., Dr. (M) Professor Indian Institute of Technology (Hyderabad) Kandi Village Sangareddy - 502 285 Telangana	25.84	36
1747	Two-rate dynamic output feedback control in cyber-physical environment	DST-SERB-CRG	Ghosh,A., Dr. (M) Assistant Professor Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	44.42	36
1748	Ultrasonic assisted laser additive manufacturing of nickel based super alloy & its online temperature monitoring to control the directionality in grain growth, anisotropy in mechanical properties & elemental segregation; & enhancement of the com..	DST-SERB-CRG	Mullick,S., Dr. (M) Assistant Professor Indian Institute of Technology (Bhubaneswar) Arugul, Jatni Bhubaneswar - 752 050 Odisha	29.81	36
1749	Ultrathin photonic resonators using two-dimensional material gratings for applications as miniature optical filters & nonlinear frequency converters	DST-SERB-CRG	Raghunathan,V., Dr. (M) Assistant Professor Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	47.13	36
1750	Understanding the generation of sea spray aerosols through Cfd & analytical modelling	DST-SERB-CRG	Dasgupta,R., Dr. (M) Associate Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	55.26	36
1751	Understanding the microstructure & rheology of root derived mucilage & its interactions with soil in the context of plant physiology	DST-SERB-CRG	Varughese,S., Prof. (F) Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	72.09	36
1752	Understanding thermodynamics of crude-oil detachment from reservoir -rocks using molecular simulations: Applications in screening of Enhanced oil recovery (Eor) techniques	DST-SERB-CRG	Malani,A., Dr. (M) Associate Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	72.01	36
1753	Understanding the role of chemical nature of the adsorbent on the co-solute assisted adsorption or desorption of solute in a liquid phase by using thermodynamic models & Monte Carlo simulations to aid the rational design of "Smart" adsorbents	DST-SERB-CRG	Rane,K.S., Dr. (M) Assistant Professor Indian Institute of Technology (Gandhinagar) Chandkheda Ahmedabad - 382 355 Gujarat	32.26	36

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1754	Utilisation of toxic wastes as potential sources of colouring ingredient in glass making	DST-SERB-CRG	Mandal,A.K., Dr. (M) Principal Scientist CSIR-Central Glass & Ceramic Research Institute 196, Raja S.C. Mullick Road Kolkata - 700 032 West Bengal	34.88	36
1755	Vision-based model analysis of machine tool systems	DST-SERB-CRG	Law,M., Dr. (M) Assistant Professor Indian Institute of Technology (Kanpur) Kannauj - 208 016 Uttar Pradesh	26.54	36
1756	Wall effects in shock wave boundary layer interactions	DST-SERB-CRG	Jammy,S.P., Dr. (M) Assistant Professor S.R.M. Institute of Sciences & Technology Mangalagiri Neerukonda Tadikonda Road Guntur - 522 502 Andhra Pradesh	38.61	36
1757	An investigation to analyze the effect of deformation mechanisms on mechanical properties of ultrafine/nano grained (A+B) titanium alloys under quasi-static & dynamic loading conditions at ambient temperature	DST-SERB-EMEQ	Babu,J.S., Dr. (M) Associate Professor Reva University Rukmini Knowledge Park, Kattigenahalli, Yelahanka Bengaluru - 560 064 Karnataka	25.80	36
1758	Deep learning oriented blockchain method based resource allocation in 6g wireless networks	DST-SERB-EMEQ	Pandya,R.J., Dr. (M) Assistant Professor Indian Institute of Technology (Dharwad) Walmi Campus, Belur Industrial Area, Pb Road Dharwad - 580 011 Karnataka	37.90	36
1759	Design & development of Gan hemt based Lna for L5 & S-band lrmss receiver	DST-SERB-EMEQ	Kumar,S., Dr. (M) Assistant Professor National Institute of Technology (Karnataka) NH 66, Srinivasnagar Surathkal - 575 025 Karnataka	28.71	36
1760	Design & development of hybrid magnetorheological brake & its tribo effectiveness studies on a brake inertia dynamometer	DST-SERB-EMEQ	Sarkar,C., Dr. (M) Assistant Professor Indian Institute of Technology (Patna) Bihta Patna - 801 106 Bihar	37.24	36
1761	Design & fabrication of low cost nanoelectronic devices for energy & environment applications	DST-SERB-EMEQ	Rawat,G., Dr. (M) Assistant Professor National Institute of Technology (Hamirpur) Anu Road Hamirpur - 177 005 Himachal Pradesh	37.98	36
1762	Design & fabrication of plate type Scr catalyst for De-Nox application using hybrid ceramic composite	DST-SERB-EMEQ	Shivkumar,N.D., Dr. (M) Principal Research Scientist Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	35.51	35
1763	Design of 1kw roof top vertical axis wind tubine to implement a wind-battery based stand - alone system for low wind speed regimes	DST-SERB-EMEQ	Roga,S., Dr. (M) Assistant Professor Visvesvaraya National Institute of Technology (Nagpur) South Ambazari Road Nagpur - 440 020 Maharashtra	23.09	36
1764	Development of aluminum - cerium - scandium alloys for high temperature creep applications & its experimental investigations	DST-SERB-EMEQ	Gangolu,S., Dr. (M) Assistant Professor National Institute of Technology (Calicut) Mukkam Road, Kattangal Kozhikode - 673 601 Kerala	34.77	36
1765	Development of an Automatic dialect identification (Adi) system for a low resourced, native Arunachali spoken language-Nyishi	DST-SERB-EMEQ	Saring,Y., Dr. (F) Assistant Professor National Institute of Technology (Arunachal Pradesh) Yupia Papum Pare - 797 112 Arunachal Pradesh	23.22	36
1766	Development of identity & trustworthy monitoring system to ensure the quality of smart city services using lot-cloud based artificial intelligence analytics	DST-SERB-EMEQ	Nagaraju,S., Dr. (M) Assistant Professor Pondicherry University Chinna, Kalapet Puducherry - 605 014 Puducherry	26.18	36

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1767	Development of novel multipurpose liquid desiccant drying/desalination system using hydrophobic membrane as an energy exchanger	DST-SERB-EMEQ	Naik,B.K., Dr. (M) Assistant Professor Grade II National Institute of Technology (Rourkela) Sector 1 Rourkela - 769 008 Odisha	28.62	36
1768	Development of probabilistic model for the failure analysis of bonded fibre reinforced plastic composite adherends	DST-SERB-EMEQ	Mondal,S., Dr. (M) Assistant Professor National Institute of Technology (Rourkela) Sector 1 Rourkela - 769 008 Odisha	35.93	36
1769	Development of self-healing materials based on thermally reversible polymers for biomimetic structural applications	DST-SERB-EMEQ	Ben,B.S., Dr. (M) Associate Professor National Institute of Technology (Warangal) Warangal - 506 004 Telangana	24.11	36
1770	Development of Ti(C,N) based cermets modified by Si <sub>3</sub> N <sub>4</sub> , B <sub>4</sub> C & Cr <sub>3</sub> C <sub>2</sub> for metal cutting application	DST-SERB-EMEQ	Shanmugavel,B.P., Dr. (M) Professor Anna University Guindy Coimbatore - 600 025 Tamil Nadu	43.64	36
1771	DNA computing assisted by different structure formations for solving bigger size combinatorial problems	DST-SERB-EMEQ	Ramteke,M.C., Dr. (M) Associate Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	39.84	36
1772	Efficient deployment of unmanned aerial vehicles for wireless networks	DST-SERB-EMEQ	Banavathu,N.R., Dr. (M) Assistant Professor National Institute of Technology (Andhra Pradesh) Godavari Tedepalligudem - 534 101 Andhra Pradesh	20.14	36
1773	Evaluating the performance of pavement quality geopolymer concrete using digital image correlation technique	DST-SERB-EMEQ	Rao,S.V., Dr. (M) Associate Professor National Institute of Technology (Warangal) Warangal - 506 004 Telangana	41.05	36
1774	Fabrication of high energy density supercapacitor pouch cell using chemically derived meso-porous graphene based composites materials	DST-SERB-EMEQ	Murmu,N.C., Dr. (M) Sr. Principal Scientist CSIR-Central Mechanical Engineering Research Institute Mahatma Gandhi Avenue Durgapur - 713 209 West Bengal	19.09	36
1775	Green solvents for recycling cathodes of spent Li-Ion batteries	DST-SERB-EMEQ	Kumar,K., Dr. (M) Assistant Professor National Institute of Technology (Warangal) Warangal - 506 004 Telangana	26.77	36
1776	Identification & characterization of Glioblastoma tumour cell from the sing cell RNA-Seq data using machine learning approaches	DST-SERB-EMEQ	Das,R., Dr. (F) Head & Assistant Professor National Institute of Technology (Mizoram) Challtang Aizawal - 796 012 Mizoram	18.54	36
1777	Innovative development of sustainable white clay & graphene composite ventilation wall cladding tiles to curtail heat ingress	DST-SERB-EMEQ	Nayaka,R.R., Dr. (M) Assistant Professor National Institute of Technology (Warangal) Warangal - 506 004 Telangana	44.12	36
1778	Investigation & implementation of model predictive control strategies to a multi-phase permanent magnet synchronous motor for photo-voltaic based hybrid electric vehicle applications with reduced torque ripple	DST-SERB-EMEQ	Kumar,V., Dr. (M) Assistant Professor National Institute of Technology (Warangal) Warangal - 506 004 Telangana	24.37	36
1779	Investigation of micro hydro & wind power off-grid integrated system using electronic lead controlled with pump storage as a dump load for rural area	DST-SERB-EMEQ	Pudur,R., Dr. (M) Assistant Professor National Institute of Technology (Arunachal Pradesh) Yupia Papum Pare - 797 112 Arunachal Pradesh	29.12	36



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1780	Investigation on nano-titania coated chitosan nanofibres incorporated with bio-active herbal extract for protective layers of antiviral respirators	DST-SERB-EMEQ	Vishwanath,T., Dr. (M) Assistant Professor Mangalore University Mudipu-Konaje, Mangalagangothri Mangalore - 574 199 Karnataka	47.87	36
1781	Lateral movement of vehicles on urban roads in disordered traffic: Characterization evaluating & modeling	DST-SERB-EMEQ	Asaithambi,G., Dr. (F) Assistant Professor Indian Institute of Technology (Tirupati) A Renigunta Road, Post Settipalli Tirupati - 517 506 Andhra Pradesh	33.70	36
1782	Locking & mutual synchronization of spin torque oscillators by magneto elastic coupling	DST-SERB-EMEQ	Sopranrao,B.S., Dr. (M) Assistant Professor Grade II Indian Institute of Technology (Tirupati) A Renigunta Road, Post Settipalli Tirupati - 517 506 Andhra Pradesh	46.39	36
1783	Low-cost biodegradable polymer for application in food packaging	DST-SERB-EMEQ	Kishore,K.A., Dr. (M) Professor National Institute of Technology (Warangal) Warangal - 506 004 Telangana	23.41	24
1784	Machine learning & deep learning based cyber security framework for identification of phising websites & malicious Uniform resource locators (Uris)	DST-SERB-EMEQ	Subba,B., Dr. (M) Assistant Professor National Institute of Technology (Hamirpur) Anu Road Hamirpur - 177 005 Himachal Pradesh	14.80	24
1785	Manufacturing of plasma transferred Arc coated surface on magnesium alloy for tribological applications	DST-SERB-EMEQ	Das,A.K., Dr. (M) Assistant Professor National Institute of Technology (Patna) Ashok Rajpath Patna - 800 005 Bihar	38.72	36
1786	New authentication techniques for telecare medicine information system	DST-SERB-EMEQ	Tembhurne,J.V., Dr. (M) Assistant Professor Indian Institute of Information Technology Beside Balaji Temple, Seminary Hills Nagpur - 440 006 Maharashtra	12.60	36
1787	Nonisocyanate polyurethane derived from recycled municipal plastic waste for tissue regeneration	DST-SERB-EMEQ	Sarkar,K., Dr. (M) Assistant Professor Calcutta University 87/1, College Street Kolkata - 700 073 West Bengal	51.29	36
1788	Nonlinear dynamics & aeroelasticity of span morphing UAV wing	DST-SERB-EMEQ	Murugan,S., Dr. (M) Assistant Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	33.57	36
1789	Novel integrated engineering approach for effective Tar decomposition & its last minute removal to fuel gas reforming in biomass pyro-gasification	DST-SERB-EMEQ	Mondal,M.K., Prof. (M) Indian Institute of Technology (BHU) Banaras Hindu University Varanasi - 221 005 Uttar Pradesh	35.63	36
1790	Prediction of fire signatures using smoke features based on fractional order optical flow in videos	DST-SERB-EMEQ	Kumar,P., Dr. (M) Assistant Professor Maulana Azad National Institute of Technology Link Road Number 3, Harshvardhan Nagar Bhopal - 462 016 Madhya Pradesh	26.30	36
1791	Reconfigurable control of fixed wing high speed unmanned aerial vehicle	DST-SERB-EMEQ	Saderla,S., Dr. (M) Assistant Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	47.89	36
1792	Security & privacy preserved automatic health emergency detection & Msp selection in lot based smart healthcare system	DST-SERB-EMEQ	Dhal,S., Dr. (M) Assistant Professor Indian Institute of Information Technology NH 37, Bongara Guwahati - 781 039 Assam	19.60	36

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1793	Spray-dried of nanoparticles loaded aerosol foam in-situ gel system containing anti-HIV drug & contraceptive agent as combined therapy	DST-SERB-EMEQ	Vedahari,B.N., Dr. (M) Assistant Professor SASTRA University Thirumalaisamudram Thanjavur - 613 402 Tamil Nadu	39.29	36
1794	Sustainable manufacturing of stainless steel 316L for biomedical applications using fused filament based retrofit 3d printing process	DST-SERB-EMEQ	Velmurugan,C., Dr. (M) Assistant Professor Indian Institute of Information Technology Thanjavur Road, Near Bhel Tiruchirappalli - 620 012 Tamil Nadu	32.22	36
1795	Synthesis & characterization of hydroxyapatite reinforced grapheme oxide nano particles coated on shot peened titanium alloy for biomedical implants	DST-SERB-EMEQ	Balasubramanian,K., Dr. (M) Professor Sri Krishna College of Engineering & Technology Kuniamuthur Coimbatore - 641 008 Tamil Nadu	12.38	36
1796	Synthesis, characterization & evaluation of pre/in-situ formed Yag-Cnt reinforced Al <sub>2</sub> O <sub>3</sub> based nanostructured composites	DST-SERB-EMEQ	Sanfui,B.K., Dr. (M) Assistant Professor Government College of Engineering & Ceramic Technology Department of Ceramic Technology, 73, Avinash Chandra Banerjee Lane, Subhas Sarobar Park, Belegkata Kolkata - 700 010 West Bengal	23.25	36
1797	Improvement of delamination fracture toughness in nano-graphene particles reinforced polymer composite laminates: An experimental-numerical approach	DST-SERB-POWER	Sahoo,R., Dr. (F) Assistant Professor Indian Institute of Technology (BHU) Banaras Hindu University Varanasi - 221 005 Uttar Pradesh	18.30	36
1798	A critical understanding on the mechanics of gas hydrate sediments for sustainable long term energy extraction	DST-SERB-SRG	Kandasami,R., Dr. (M) Assistant Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	33.00	24
1799	A decision making algorithm for driving assistance system based on environment visibility conditions	DST-SERB-SRG	Appina,B., Dr. (M) Assistant Professor Indian Institute of Information Technology, Design & Manufacturing Kancheepuram, Melakottaiyur Village, Nellikuppam Road Chennai - 600 127 Tamil Nadu	14.78	24
1800	A framework for reprocessing rap of different ages	DST-SERB-SRG	Nivitha,M.R., Dr. (F) Assistant Professor P.S.G. College of Technology Avinashi Road, Peelamedu Coimbatore - 641 004 Tamil Nadu	32.04	24
1801	A millimeter wave transceiver with electronic beamsteering in bulk Cmos technology for 5g applications	DST-SERB-SRG	Mondal,I., Dr. (M) Assistant Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	32.93	24
1802	A multi-sensor approach to pedestrian detection & tracking in unstructured environments	DST-SERB-SRG	Goel,S., Prof. (M) Assistant Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	25.71	24
1803	A nationwide study on retinal detachment in India with emphasis on the risk of the fellow eye through fundus images using deep learning	DST-SERB-SRG	Murugan,R., Dr. (M) Assistant Professor National Institute of Technology (Silchar) Fakiratilla Silchar - 788 010 Assam	16.48	24
1804	A novel 2:1 multiplexer based approach to implement ternary logic circuits	DST-SERB-SRG	Vudadha,C.K., Dr. (M) Assistant Professor Birla Institute of Technology & Science (Pilani ) Shamirpet-Keesara Road, Jawahar Nagar, Shameerpet Hyderabad - 500 078 Telangana	9.01	24

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1805	A novel regenerative gearless drive train based on doubly fed poly phase synchronous reluctance motor with active power factor correction capability	DST-SERB-SRG	Shreelakshmi,M.P., Dr. (F) Assistant Professor National Institute of Technology (Calicut) Mukkam Road, Kattangal Kozhikode - 673 601 Kerala	18.36	24
1806	A programmable Cmos image sensor for high speed, low power & low noise applications	DST-SERB-SRG	Kaur,A., Dr. (F) Assistant Professor Indian Institute of Technology (Jodhpur) NH 65, Surpura Bypass Road, Karwar Jodhpur - 342 030 Rajasthan	27.22	24
1807	A robust visual positioning system	DST-SERB-SRG	Kumar,H., Dr. (M) Assistant Professor Indian Institute of Technology (Jodhpur) NH 65, Surpura Bypass Road, Karwar Jodhpur - 342 030 Rajasthan	25.81	24
1808	A secure offling M-payment system using certificateless key agreement mechanism for faster access & handover authentication in space information networks	DST-SERB-SRG	Mandal,S., Dr. (F) Assistant Professor Institute for Development & Research in Banking Technology Castle Hills, Road No. 1, Masab Tank Hyderabad - 500 028 Telangana	14.61	24
1809	A study on fatigue damage in additively manufactured in 718 alloy	DST-SERB-SRG	Gaur,V., Dr. (M) Assistant Professor Indian Institute of Technology (Roorkee ) Roorkee-Haridwar Highway Roorkee - 247 667 Uttarakhand	33.00	24
1810	A study on the dynamic tensile response of rocks & its application in blast analysis of subsurface structures	DST-SERB-SRG	Mishra,S., Prof. (F) Assistant Professor Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	29.98	24
1811	Achieving reliable communications in the internet of things: An erasure-correction coding approach	DST-SERB-SRG	Borkotoky,S.S., Dr. (M) Assistant Professor Indian Institute of Technology (Bhubaneswar) Arugul, Jatni Bhubaneswar - 752 050 Odisha	27.91	24
1812	Advanced scanning probe with image guidance & active motion compensation for optical coherence tomography angiography system	DST-SERB-SRG	Damodaran,V., Dr. (F) Assistant Professor S.R.M. Institute of Sciences & Technology S.R.M. Nagar Kattankulathur - 603 203 Tamil Nadu	30.59	24
1813	Ai & sensor networks for air-quality monitoring	DST-SERB-SRG	Batra,N., Dr. (M) Assistant Professor Indian Institute of Technology (Gandhinagar) Vishwakarma Government Engineering Campus, Chandkheda Ahmedabad - 382 355 Gujarat	32.01	24
1814	Ai-powered ultra-reliable near zero-latency intelligent wireless networks for enabling 14.0: Design, optimization & prototyping	DST-SERB-SRG	Bhat,R.V., Dr. (M) Assistant Professor Indian Institute of Technology (Dharwad) Walmi Campus, Belur Industrial Area, Pb Road Dharwad - 580 011 Karnataka	32.74	24
1815	An accurate & efficient parallel R-C digitizer for moisture sensing	DST-SERB-SRG	Vijayakumar,S., Dr. (M) Assistant Professor Indian Institute of Technology (Palakkad) Ahila Integrated Campus, District Palakkad Kozhippara - 678 557 Kerala	28.05	24
1816	An algorithm for automated identification of geometric inconsistencies on road networks by employing cluster-calibrated speed prediction models	DST-SERB-SRG	Bhavathrathan,B.K., Dr. (M) Assistant Professor Indian Institute of Technology (Palakkad) Ahila Integrated Campus, District Palakkad Kozhippara - 678 557 Kerala	26.60	24
1817	An effective negative sequence flux minimization technique for enhanced operation of Dfig based wind power plants under grid voltage unbalance	DST-SERB-SRG	Ma,A., Dr. (F) Assistant Professor National Institute of Technology (Silchar) Fakiratilla Silchar - 788 010 Assam	19.99	24

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1818	An efficient Ev power train for long range electric vehicles	DST-SERB-SRG	Nag,S.S., Dr. (M) Assistant Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	32.89	24
1819	Application of Microbial induced calcite precipitation (Micp) in stabilizing coal ash	DST-SERB-SRG	Sharma,A.K., Dr. (M) Assistant Professor National Institute of Technology (Patna) Ashok Rajpath Patna - 800 005 Bihar	21.68	24
1820	Application of thermo-power plant bagasse-based waste carbon as an efficient electro-catalyst for electrochemical oxidation process	DST-SERB-SRG	Khare,P., Dr. (M) Assistant Professor Madan Mohan Malaviya University of Technology Deoria Road Gorakhpur - 273 016 Uttar Pradesh	30.12	24
1821	Applications of yield-abutment pillar concepts in design of longwall panels for improving safety & productivity	DST-SERB-SRG	Rao,I.S., Dr. (M) Assistant Professor Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	23.80	24
1822	Assessing seismic safety of tunnels under near-fault ground motion	DST-SERB-SRG	Veeraraghavan,S., Dr. (F) Assistant Professor Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	20.14	24
1823	Atomic transport & phase growth in deformed transition metals	DST-SERB-SRG	Vaidya,M., Dr. (M) Assistant Professor Indian Institute of Technology (Hyderabad) Kandi Village Sangareddy - 502 285 Telangana	33.00	24
1824	Automated glaucoma detection & analysis in retinal fundus images using deep learning algorithms	DST-SERB-SRG	Nayak,D.R., Dr. (M) Assistant Professor Malaviya National Institute of Technology (Jaipur) Jawaharlal Nehru Marg, Malviya Nagar Jaipur - 302 017 Rajasthan	20.72	24
1825	Channel estimation & waveform design in Thz communication for 6g	DST-SERB-SRG	Dutta,A.K., Dr. (M) Assistant Professor Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	28.30	24
1826	Characterization, evaluation & modeling of passing behavior on two-lane highways using naturalistic driving data in disordered traffic	DST-SERB-SRG	Kanagaraj,V., Dr. (M) Assistant Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	24.00	24
1827	Compact scalable full-duplex front-end in Cmos for multi-antenna wireless systems	DST-SERB-SRG	Kumar,A., Dr. (M) Assistant Professor Indian Institute of Technology (Hyderabad) Kandi Village Sangareddy - 502 285 Telangana	33.00	24
1828	Composite structures under shock & high velocity impact	DST-SERB-SRG	Singh,H., Dr. (M) Assistant Professor Indian Institute of Technology (Goa) Farmagudi Ponda - 403 401 Goa	32.09	24
1829	Computational investigation of mycobacterium tuberculosis fatty acide synthase-I	DST-SERB-SRG	Katkar,H.H., Dr. (M) Assistant Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	30.88	24
1830	Computer vision based smart traffic intersection monitoring in unstructured environment	DST-SERB-SRG	Chakraborty,P., Dr. (M) Assistant Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	22.46	24
1831	Constellation domain Noma (Con-Noma) for future wireless communication system	DST-SERB-SRG	Jaiswal,A., Dr. (M) Assistant Professor Indian Institute of Technology (Roorkee ) Roorkee-Haridwar Highway Roorkee - 247 667 Uttarakhand	32.60	24

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1832	Context aware service provisioning towards smart tourism	DST-SERB-SRG	Chattopadhyay,S., Ms. (F) Assistant Professor Indian Institute of Information Technology NH 37, Bongara Guwahati - 781 015 Assam	16.82	24
1833	Control of permanent magnet synchronous machine for efficient operation of electric vehicle	DST-SERB-SRG	Misra,H., Dr. (M) Assistant Professor Indian Institute of Technology (Mandi) VPO Kamand, Tehsil Sadar, Parashar Road Mandi - 175 005 Himachal Pradesh	31.38	24
1834	Controlled morphologies via phase-separation in epoxy blends for electronic sensor & device packaging	DST-SERB-SRG	Arora,D., Dr. (M) Associate Professor Indian Institute of Technology (Jodhpur) NH 65, Surpura Bypass Road, Karwar Jodhpur - 342 030 Rajasthan	31.39	24
1835	Controlling formation of secondary spinel inclusions in Calcium treated Low carbon aluminium killed (Lcak) steel	DST-SERB-SRG	Kumar,D., Dr. (M) Assistant Professor Grade II Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	32.74	24
1836	Converting CO <sup>2</sup> to methanol: A step towards greenhouse gases utilization using novel multifunctional catalysts	DST-SERB-SRG	Sonal, Dr. (F) Assistant Professor Malaviya National Institute of Technology (Jaipur) Jawaharlal Nehru Marg, Malviya Nagar Jaipur - 302 017 Rajasthan	32.50	24
1837	Convex optimization based economic & stable operation of microgrid system	DST-SERB-SRG	Pullaguram,D.R., Dr. (M) Assistant Professor National Institute of Technology (Warangal) Warangal - 506 004 Telangana	32.05	24
1838	Data driven automated diagnosis of cyber physical failures of smart grid assets	DST-SERB-SRG	Vignesh,V., Dr. (M) Assistant Professor Indian Institute of Technology (Tirupati) A Renigunta Road, Post Settipalli Tirupati - 517 506 Andhra Pradesh	27.30	24
1839	Data-driven haptic modeling & rendering of normal interactions on inhomogeneous viscoelastic deformable objects	DST-SERB-SRG	Bhardwaj,A., Dr. (M) Assistant Professor Indian Institute of Technology (Jodhpur) NH 65, Surpura Bypass Road Jodhpur - 342 001 Rajasthan	33.00	24
1840	Design & analysis of graph algorithms for the possibility & feasibility of secure message transmission protocols over arbitrary directed networks	DST-SERB-SRG	Vasala,R., Dr. (M) Assistant Professor Mahindra Ecole Centrale Survey No 62/1a, Bahadurpally, Jeedimetta Hyderabad - 500 043 Telangana	12.25	24
1841	Design & development of a deep learning based online-assistance system for psychologists by transforming patient transcripts to speech with emotions using text to speech synthesis	DST-SERB-SRG	Prakash,J., Dr. (M) Assistant Professor National Institute of Technology (Calicut) Mukkam Road, Kattangal Kozhikode - 673 601 Kerala	13.62	24
1842	Design & development of a sustainable process to utilize the agricultural wastes for the production of biodegradable disposable materials & food packaging films	DST-SERB-SRG	Dandu,J.R., Dr. (M) Scientist CSIR-Central Food Technological Research Institute Cheluvamba Mansion, Devaraja Mohalla, Kajihundi Mysore - 570 020 Karnataka	27.23	24
1843	Design & development of a three dimensional printer based on shape memory alloy smart actuator & Micro stereo-lithography (Msl) technique	DST-SERB-SRG	Singh,Y., Dr. (M) Assistant Professor National Institute of Technology (Silchar) Fakiratilla Silchar - 788 010 Assam	30.83	24
1844	Design & development of induction welding system for in situ repair of exit hole defect in friction stir welded sample	DST-SERB-SRG	Das,B., Dr. (M) Assistant Professor National Institute of Technology (Silchar) Fakiratilla Silchar - 788 010 Assam	28.48	24

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1845	Design & development of multi-functional Pv-battery based smart charging stations for Evs, household load & grid	DST-SERB-SRG	Kumar,S., Dr. (M) Assistant Professor Maulana Azad National Institute of Technology Link Road Number 3, Harshvardhan Nagar Bhopal - 462 003 Madhya Pradesh	31.01	24
1846	Design & development of printed/dielectric resonator antennas for 5g communication system	DST-SERB-SRG	Sharma,A., Dr. (M) Assistant Professor Motilal Nehru National Institute of Technology Teliarganj Allahabad - 211 004 Uttar Pradesh	25.61	24
1847	Design & development of silicone rubber nano-micro composites for outdoor insulation structure in harsh environment	DST-SERB-SRG	Mishra,P., Dr. (M) Assistant Professor National Institute of Technology (Warangal) Warangal - 506 004 Telangana	27.01	24
1848	Design & development of single chip gas sensor arrays based on two-dimensional MOS <sup>2</sup> & metal oxide hybrid nanomaterials for air pollutants monitoring at near room temperature	DST-SERB-SRG	Rawat,B., Dr. (M) Assistant Professor Indian Institute of Technology (Ropar) Nangal Road, Hussainpur Rupnagar - 140 001 Punjab	23.61	24
1849	Design & modeling of ultra-scaled copper-graphene hybrid on-chip interconnects for low power & high speed IC applications with machine learning	DST-SERB-SRG	Kumar,S., Dr. (M) Assistant Professor Atal Bihari Vajpayee-Indian Institute of Information Technology & Management Morena Gwalior - 474 015 Madhya Pradesh	15.20	24
1850	Design & thermal performance analysis of hybrid thermal management system for Li-Ion battery packs for electric vehicles in aird/semi-arid Indian climatic conditions	DST-SERB-SRG	Prabhakar,A., Dr. (M) Assistant Professor Atal Bihari National Institute of Technology (Jaipur) Jawaharlal Nehru Marg, Malviya Nagar Jaipur - 302 017 Rajasthan	27.43	24
1851	Design of a multi-operator telecommunication network to support heterogeneous services using network slicing	DST-SERB-SRG	Bhar,C., Dr. (M) Assistant Professor National Institute of Technology (Warangal) Warangal - 506 004 Telangana	9.17	24
1852	Design of a transmitter with integrated Power amplifier (Pa) for millimeter-wave 5g bands in 65nm Cmos	DST-SERB-SRG	Raja,I., Dr. (M) Assistant Professor Indian Institute of Space Science & Technology Valiamala Road, Valiamala Thiruvananthapuram - 695 547 Kerala	29.69	24
1853	Design of structure-preserving deep neural networks for improved generalization	DST-SERB-SRG	Nag,K., Dr. (M) Assistant Professor Indian Institute of Information Technology NH 37, Bongara Guwahati - 781 015 Assam	15.17	24
1854	Design, development & characterization of nanocellulose/Pva nanocomposite facilitated transport membranes for efficient CO <sup>2</sup> separation from biogas	DST-SERB-SRG	Ahankari,S.S., Dr. (M) Associate Professor Vellore Institute of Technology University Tiruvalam Road, Katpadi Vellore - 632 014 Tamil Nadu	12.47	24
1855	Design, fabrication & characterization of all-fiber Multimode interference (Mmi) devices for generating highly pure Laguerre-gaussian (Lg) modes in free-space	DST-SERB-SRG	Bhatia,N., Dr. (M) Assistant Professor Indian Institute of Technology (Jodhpur) NH 65, Surpura Bypass Road, Karwar Jodhpur - 342 030 Rajasthan	28.73	24
1856	Develop A S-band portable Fmcw interferometry self-injection radar transceiver system for remote human-aware localization & vital-signs monitoring	DST-SERB-SRG	Chongder,P., Dr. (M) Assistant Professor National Institute of Technology (Rourkela) Sector 1 Rourkela - 769 008 Odisha	28.64	24
1857	Development & performance evaluation of fouling resistant heat exchangers	DST-SERB-SRG	Bansal,L.K., Dr. (M) Assistant Professor Vellore Institute of Technology University Tiruvalam Road, Katpadi Vellore - 632 014 Tamil Nadu	21.36	24

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
1858	Development of a diagnostic tool for cold atmospheric plasma	DST-SERB-SRG	Anand,V., Dr. (M) Assistant Professor National Institute of Technology (Calicut) Mukkam Road, Kattangal Kozhikode - 673 601 Kerala	25.37	24
1859	Development of a handheld instrument for in-situ identification of "Indian Yellow Dragon"	DST-SERB-SRG	Kumar,R., Dr. (M) Assistant Professor Indian Institute of Technology (Ropar) Nangal Road Rupnagar - 140 001 Punjab	30.19	24
1860	Development of a novel high entropy alloy reinforced magnesium matrix composites to reduce tension-compression yield asymmetry through ultrasonic assisted liquid state processing route	DST-SERB-SRG	Sahoo,B.N., Dr. (M) Assistant Professor Sardar Vallabhbhai National Institute of Technology Ichchhanath Surat - 395 007 Gujarat	28.64	24
1861	Development of an ultra-low head flow-induced vibration turbine	DST-SERB-SRG	Soti,A.K., Dr. (M) Assistant Professor Indian Institute of Technology (Guwahati) Surjyamukhi Road, North Amingaon Guwahati - 781 039 Assam	28.71	24
1862	Development of atomically thin memristive devices for neuromorphic smart sensor networks	DST-SERB-SRG	Chakrabarti,B., Dr. (M) Assistant Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	28.41	24
1863	Development of counter measures to mitigate earthquake-induced damage of Rm breakwater	DST-SERB-SRG	Chaudhary,B., Dr. (M) Assistant Professor National Institute of Technology (Karnataka) NH 66, Srinivasnagar Surathkal - 575 025 Karnataka	31.28	24
1864	Development of design essentials for Ga2o3 based finfet for SOC in automotive applications	DST-SERB-SRG	Nikhil,K.S., Dr. (M) Assistant Professor Grade II National Institute of Technology (Karnataka) NH 66, Srinivasnagar Surathkal - 575 025 Karnataka	26.25	24
1865	Development of enhanced predictive current control & predictive torque control strategies for open-end winding permanent magnet synchronous motor drive with less torque ripple for electric vehicles	DST-SERB-SRG	Praveenkumar,K.V., Dr. (M) Assistant Professor Sardar Vallabhbhai National Institute of Technology Ichchhanath Surat - 395 007 Gujarat	28.97	24
1866	Development of highly conductive ultrathin Vs2 crystals for high-performance flexible supercapacitors	DST-SERB-SRG	Pandey,S.K., Dr. (M) Assistant Professor National Institute of Technology (Karnataka) NH 66, Srinivasnagar Surathkal - 575 025 Karnataka	27.87	24
1867	Development of High-performance computing (Hpc) centric real-space numerical methodologies towards Exa-scale architectures for large-scale Ab-initio modeling of materials	DST-SERB-SRG	Motamarri,P.S., Prof. (M) Assistant Professor Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	31.77	24
1868	Development of low-cost acoustic modem for underwater sensor networks for coastal surveillance & early warning system	DST-SERB-SRG	Kumar,P., Dr. (M) Assistant Professor National Institute of Technology (Jamshedpur) Adityapur Jamshedpur - 831 014 Jharkhand	14.20	24
1869	Development of nanofibrous antimicrobial wound dressings for chronic wound infections & skin regeneration	DST-SERB-SRG	Dhand,C., Dr. (F) Senior Scientist CSIR-Advanced Materials & Processes Research Institute Hoshangabad Road Hoshangabad - 462 026 Madhya Pradesh	30.83	24

BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
1870	Development of novel Cnc based electrical etching to fabricate stretchable electronics circuits	DST-SERB-SRG	Pal,V.K., Dr. (M) Assistant Professor Indian Institute of Technology (Jammu) Nagrota Bypass Road Jammu - 181 221 Jammu & Kashmir	15.27	24
1871	Development of novel protection schemes for hybrid microgrid	DST-SERB-SRG	Sarangi,S., Dr. (M) Assistant Professor Motilal Nehru National Institute of Technology Teliarganj Allahabad - 211 004 Uttar Pradesh	27.49	24
1872	Development of porous lead-free ceramics for temperature-independent pyroelectric performance & waste energy harvesting	DST-SERB-SRG	Patel,S., Dr. (M) Assistant Professor Indian Institute of Technology (Indore) Khandwa Road, Simrol Indore - 453 441 Madhya Pradesh	23.76	24
1873	Development of quantum dots & Pb+2 free hybrid perovskite based flexible photovoltaic devices	DST-SERB-SRG	Rawat,G., Dr. (M) Assistant Professor National Institute of Technology (Hamirpur) Anu Road Hamirpur - 177 005 Himachal Pradesh	32.44	24
1874	Development of robot-based incremental sheet hydro-forming machine	DST-SERB-SRG	Kumar,Y., Dr. (M) Assistant Professor National Institute of Technology (Patna) Ashok Rajpath Patna - 800 005 Bihar	29.44	24
1875	Development of Sio2 supported Fe catalyst for Co2 methanation: A combined investigation using Drifts & Dft	DST-SERB-SRG	Ray,K., Dr. (M) Assistant Professor Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	33.00	24
1876	Development of solar light-driven photocatalytic membrane reactor for agricultural return water treatment - A new horizon in tackling membrane fouling & emerging contaminants	DST-SERB-SRG	Ambika,S., Dr. (F) Assistant Professor Indian Institute of Technology (Hyderabad) Kandi Village Sangareddy - 502 285 Telangana	31.11	24
1877	Development of tunable self-powered quantum dot based photodetectors using low-cost solution processed method	DST-SERB-SRG	Kumar,H., Dr. (M) Assistant Professor Jaypee Institute of Information Technology A-10, Sector 62 Noida - 201 309 Uttar Pradesh	30.37	24
1878	Development of wearable, non-invasive devices for human health wellness	DST-SERB-SRG	Dwivedi,P., Dr. (F) Assistant Professor Indian Institute of Information Technology Sri City, 630 Gnan Marg Chittoor - 517 646 Andhra Pradesh	30.69	24
1879	Development, optimization & pilot evaluation of edge-Ai enabled photoplethysmograph lot devices & clinical data summarization methods for remote patient monitoring & disease detection	DST-SERB-SRG	Pathinarupothi,R.K., Dr. (M) Assistant Professor Amrita Vishwa Vidyapeetham Amritapuri, P.O. Clappana Kollam - 641 105 Kerala	11.92	24
1880	Diffusion & oxidation kinetics of Ta-modified B Titanium aluminides for aerospace applications	DST-SERB-SRG	Santra,S., Dr. (F) Assistant Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	32.17	24
1881	Direct laser writing of conducting diamond on flexibles	DST-SERB-SRG	Sankaran,K.J., Dr. (M) Senior Scientist CSIR-Institute of Minerals & Materials Technology Sachivalaya Marg, RRL Campus, Acharya Vihar Bhubaneswar - 751 013 Odisha	30.14	24
1882	Eco-exchange: Investigation of eco-friendly compounds that aid the substitution of methane with carbon dioxide during energy recovery from hydrate deposits	DST-SERB-SRG	Veluswamy,H.P., Dr. (M) Assistant Professor Indian Institute of Technology (Roorkee ) Roorkee-Haridwar Highway Roorkee - 247 667 Uttarakhand	28.40	24



## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
1883	Effect of boundary layer growth on blast wave mitigation studies inside the shock tube	DST-SERB-SRG	Kundu,A., Dr. (M) Assistant Professor Motilal Nehru National Institute of Technology Teliarganj Allahabad - 211 004 Uttar Pradesh	28.17	24
1884	Effect of gust on aerodynamic interference of coaxial rotors: Numerical & experimental studies	DST-SERB-SRG	Govindarajan,B., Dr. (M) Assistant Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	23.19	24
1885	Effect of jet pulsation on reacting jet in crossflow	DST-SERB-SRG	Sinha,A., Dr. (M) Assistant Professor Indian Institute of Technology (BHU) Banaras Hindu University Varanasi - 221 005 Uttar Pradesh	32.01	24
1886	Efficient cache aided data delivery using deep reinforcement learning	DST-SERB-SRG	Thomas,A., Dr. (M) Assistant Professor Indian Institute of Technology (Bhubaneswar) Arugul, Jatni Bhubaneswar - 751 024 Odisha	18.04	24
1887	Electric field-assisted ceramic coating over metals to prevent oxidation & softening at high temperatures	DST-SERB-SRG	Jha,S.K., Dr. (M) Assistant Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	28.99	24
1888	Electrochemical model-based composition optimization & development of high energy Silicon-Carbon (Si-C) composite electrode for next-generation Lithium-Ion batteries	DST-SERB-SRG	Verma,M.K.S., Dr. (M) Assistant Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	32.94	24
1889	Energy efficient & latency aware cognitive edge computing for diasaster management system	DST-SERB-SRG	Yadav,R., Dr. (M) Assistant Professor Institute of Infrastructure Technology Research & Management Maninagar East Ahmedabad - 380 026 Gujarat	20.70	24
1890	Energy-efficient multicore programmable accelerator for Ulp massive edge computing	DST-SERB-SRG	Das,S., Dr. (M) Assistant Professor Indian Institute of Technology (Palakkad) Ahila Integrated Campus, District Palakkad Kozhippara - 678 557 Kerala	16.25	24
1891	Enhanced performance architecture of a reliable, resilient & secure cyber physical based interconnected microgrid	DST-SERB-SRG	Madichetty,S., Dr. (M) Assistant Professor Mahindra Ecole Centrale Survey No. 62/1a, Bahadurpally, Jeedimetla Hyderabad - 500 043 Telangana	27.22	24
1892	Enhancing performance characteristics of a centrifugal pump in erosive conditions	DST-SERB-SRG	Rai,A.K., Dr. (M) Assistant Professor National Institute of Technology (Warangal) Warangal - 506 004 Telangana	26.08	24
1893	Evaluation of macroscopic properties of ideal porous media for their use in solar reactors & low emission combustors with help of experiments and Cfd simulations	DST-SERB-SRG	Parthasarathy,P., Dr. (M) Assistant Professor National Institute of Technology (Karnataka) NH 66, Srinivasnagar Surathkal - 575 025 Karnataka	15.18	24
1894	Experimental & numerical analysis for stabilization of antibubbles	DST-SERB-SRG	Kumawat,T.C., Dr. (M) Assistant Professor National Institute of Technology (Hamirpur) Anu Road Hamirpur - 177 005 Himachal Pradesh	31.12	24
1895	Experimental & numerical investigations of the dynamics of walking droplets	DST-SERB-SRG	Pal,A., Dr. (M) Assistant Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	32.89	24

BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1896	Experimental study of the performance of a flow-controlled centrifugal compressor subjected to distorted inflow	DST-SERB-SRG	Keerthi,M.C., Dr. (M) Assistant Professor Indian Institute of Technology (Dharwad) Walmi Campus, Belur Industrial Area, P.B. Road Dharwad - 580 011 Karnataka	27.93	24
1897	Exploring geometric design & capacity considerations for implementing exclusive two-wheeler lanes on Indian roads: A step towards safe traffic movement	DST-SERB-SRG	Kathuria,A., Dr. (M) Assistant Professor Indian Institute of Technology (Jammu) Nagrota Bypass Road Jammu - 181 221 Jammu & Kashmir	17.36	24
1898	Fabrication & characterization of Znon based photo sensors	DST-SERB-SRG	Nair,A.R., Dr. (F) Assistant Professor National Institute of Technology (Calicut) Mukkam Road, Kattangal Kozhikode - 673 601 Kerala	27.54	24
1899	Fabrication of Mos2-Bsa-Zno nano-bio hybrid composite electronic devices for environmental monitoring	DST-SERB-SRG	Sasmal,M., Dr. (M) Assistant Professor Central University of Rajasthan NH 8, Bandar Sindri Ajmer - 305 817 Rajasthan	31.17	24
1900	Factor affecting exhaust emissions of motorized two-wheeler in an Indian Tier-II city: A case study of Varanasi	DST-SERB-SRG	Mudgal,A., Dr. (M) Assistant Professor Indian Institute of Technology (BHU) Banaras Hindu University Varanasi - 221 005 Uttar Pradesh	19.44	24
1901	Flexible triboelectric nanogenerator using textile structural engineering for energy harvesting	DST-SERB-SRG	Kumar,B., Dr. (M) Assistant Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	32.27	24
1902	Flow dynamics & size-based particle sorting in an evaporating sessile droplet containing Bi- & -Tri-dispersed colloidal particles	DST-SERB-SRG	Patil,N.D., Dr. (M) Assistant Professor Indian Institute of Technology (Bhilai) G.E.C. Campus, Sejbahar Bhilai - 492 015 Chhattisgarh	32.95	24
1903	Forecasting of rainfall in India using large-scale climate indices through advanced deep learning approach	DST-SERB-SRG	Jakhetiya,V., Dr. (M) Assistant Professor Indian Institute of Technology (Jammu) Nagrota Bypass Road Jammu - 181 221 Jammu & Kashmir	21.87	24
1904	Fracture & fatigue of bulk metallic glass composites with transformable B-Ti dendritic reinforcements	DST-SERB-SRG	Ramasubramanian,L.N., Dr. (M) Assistant Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	33.00	24
1905	Generation of accurate bore cavity by developing an Algorithm in Electro discharge boring (Edb) process	DST-SERB-SRG	Kumar,S., Dr. (M) Assistant Professor Maulana Azad National Institute of Technology Link Road No. 3, Hashvardhan Nagar Bhopal - 462 003 Madhya Pradesh	23.37	24
1906	Grain boundary-induced melting & martensitic transformation: Phase field study	DST-SERB-SRG	Basak,A., Dr. (M) Assistant Professor Indian Institute of Technology (Tirupati) A Renigunta Road, Post Settipalli Tirupati - 517 506 Andhra Pradesh	30.31	24
1907	Green template-assisted, flexible & skin-attachable sensor for non-invasive & non-enzymatic glucose detection using human sweat & saliva - innovate	DST-SERB-SRG	Bharti,D., Dr. (M) Assistant Professor Malaviya National Institute of Technology (Jaipur) Jawaharlal Nehru Marg, Malaviya Nagar Jaipur - 302 017 Rajasthan	29.37	24
1908	Griptrak: Development of a portable footwear slip risk measurement device	DST-SERB-SRG	Chanda,A., Dr. (M) Assistant Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	33.00	24

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
1909	Harkal: Hardware accelerated robust kernel adaptive learning	DST-SERB-SRG	Mula,S., Dr. (M) Assistant Professor Indian Institute of Technology (Palakkad) Ahalia Integrated Campus, District Palakkad Kozhippara - 678 557 Kerala	17.24	24
1910	Heart rate monitoring from non-contact face videos using deep learning	DST-SERB-SRG	Gupta,P., Dr. (M) Assistant Professor Indian Institute of Technology (Indore) Khandwa Road, Simrol Indore - 453 552 Madhya Pradesh	30.34	24
1911	High performance code generation using speculation	DST-SERB-SRG	Thakur,M., Dr. (M) Assistant Professor Indian Institute of Technology (Mandi) VPO Kamand, Tehsil Sadar, Parashar Road Mandi - 175 005 Himachal Pradesh	25.68	24
1912	High temperature workability & tribological characterization of high entropy alloy	DST-SERB-SRG	Singh,S.K., Dr. (M) Senior Scientist CSIR-Indian Institute of Petroleum Mohkampur Dehradun - 248 005 Uttarakhand	28.22	24
1913	Highly conductive nanocomposite fibers for Flexible temperature sensors (Flextem)	DST-SERB-SRG	Sarma,S., Dr. (F) Assistant Professor Indian Institute of Technology (Jodhpur) NH 65, Surpura Bypass Road, Karwar Jodhpur - 342 030 Rajasthan	27.60	24
1914	High-speed & energy efficient Cmos transceiver design for full-duplex chip-to-chip serial link	DST-SERB-SRG	Wary,N., Dr. (M) Assistant Professor Indian Institute of Technology (Bhubaneswar) Arugul, Jatni Bhubaneswar - 752 050 Odisha	29.97	24
1915	High-speed online monitoring of software applications	DST-SERB-SRG	Chandran,S., Dr. (M) Assistant Professor Indian Institute of Technology (Palakkad) Ahila Integrated Campus, District Palakkad Kozhippara - 678 557 Kerala	22.60	24
1916	How will Godavari basin respond in terms of rainfall distribution & streamflow variation owing to climate change?	DST-SERB-SRG	Pichuka,S., Dr. (M) Assistant Professor National Institute of Technology (Andhra Pradesh) Tadepalligudem Godavari - 534 101 Andhra Pradesh	19.98	24
1917	Hybrid quantum-classical predictive simulation platform for nanomagnetic logic with Mn-doped Gaas channel	DST-SERB-SRG	Singha,A., Dr. (M) Assistant Professor Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	32.00	24
1918	Impact of a micro-spray on a bio-mimicking surface	DST-SERB-SRG	Pathak,B., Dr. (F) Assistant Professor Indian Institute of Technology (BHU) Banaras Hindu University Varanasi - 221 005 Uttar Pradesh	31.73	24
1919	In search for a microstructure based universal strain hardening model in low stacking fault energy single phase face-centered-cubic alloys	DST-SERB-SRG	Ghosh,P., Dr. (M) Assistant Professor Indian Institute of Technology (Gandhinagar) Palaj Gandhinagar - 382 355 Gujarat	32.99	24
1920	Industrial suitability & commercialization of novel Spif process for DcO4 steel & Ti Gr. 2 Materials	DST-SERB-SRG	Mulay,A.S., Dr. (M) Assistant Professor Grade II Sardar Vallabhbhai National Institute of Technology Ichchhanath Surat - 395 007 Gujarat	16.74	24
1921	Instabilities during production of nanofibres by rotary jet spinning	DST-SERB-SRG	Gupta,K., Dr. (M) Assistant Professor Shiv Nadar University Village Chithera, Tehsil Dadri Greater Noida - 201 314 Uttar Pradesh	15.24	24

BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1922	Interaction of vesicles with deformable boundry: Mimicking cell-wall interaction in cardiovascular diseases	DST-SERB-SRG	Raj,A., Dr. (M) Assistant Professor Indian Institute of Technology (Patna) Bihta Patna - 801 106 Bihar	29.99	24
1923	Investigation of novel formulation approaches for improving the bioavailability of dietary phytochemicals	DST-SERB-SRG	Saneja,A., Dr. (M) Scientist CSIR-Institute of Himalayan Bioresource Technology Post Box No 6 Palampur - 176 061 Himachal Pradesh	29.96	24
1924	Investigation of physicochemical mechanisms governing wettability & multiphase transport in carbonate rocks	DST-SERB-SRG	Sharma,H., Prof. (M) Assistant Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	28.80	24
1925	Investigation of silicon oil based Mr Damper & biodegradable oil based Mr Damper for attenuation of the jump phenomena in an unbalanced rotor-motor system	DST-SERB-SRG	Bisoi,A., Dr. (F) Assistant Professor National Institute of Technology (Silchar) Fakiratilla Silchar - 788 010 Assam	21.94	24
1926	Investigation of van der waals hetero-structures of transition metal Di-Chalcogenides (Mx2) & tin-Di-Chalcogenides (Snx2) for broad-band photodetector design	DST-SERB-SRG	Kanungo,S., Dr. (M) Assistant Professor Birla Institute of Technology & Science (Pilani ) Shamirpet-Keesara Road, Jawahar Nagar, Shameerpet Hyderabad - 500 078 Telangana	11.20	24
1927	Investigations into Gan device based bidirectional multi-level converts for grid-connected applications	DST-SERB-SRG	Kshirsagar,A., Dr. (M) Assistant Professor Indian Institute of Technology (Dharwad) Walmi Campus, Belur Industrial Area, Pb Road Dharwad - 580 011 Karnataka	31.87	24
1928	Investigations on the formability, microstructure & mechanical behavior of Titanium & Nitinol alloy foils during single point micro incremental forming process	DST-SERB-SRG	Yoganjaneyulu,G., Dr. (M) Associate Professor Vignan University Vignan's Institute of Information Technology, Duvvada, Vadlapudi Post, Gajuwaka Visakhapatnam - 530 049 Andhra Pradesh	23.98	24
1929	Joint parameter estimation & symbol detection in Odfm-based lot networks: Machine learning-based approaches	DST-SERB-SRG	Mishra,A., Dr. (F) Assistant Professor International Institute of Information Technology 26/C, Hosur Road, Electronics City Phase 1 Bengaluru - 560 100 Karnataka	13.79	24
1930	Lab-on-paper for inexpensive point-of-care diagnostics	DST-SERB-SRG	Gupta,A., Dr. (M) Assistant Professor Indian Institute of Technology (Jodhpur) NH 65, Surapura Bypass Road, Karwar Jodhpur - 342 030 Rajasthan	32.38	24
1931	Large area, soft, bio-compatible photonic devices - fabrication approach via fluid instabilities	DST-SERB-SRG	Dasgupta,T., Dr. (M) Assistant Professor Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	31.75	24
1932	Local processing of coded data for large scale storage	DST-SERB-SRG	Vatedka,S., Dr. (M) Assistant Professor Indian Institute of Technology (Hyderabad) Kandi Village Sangareddy - 502 285 Telangana	17.74	24
1933	Machine learning based algorithm for predicting three-dimensional fractal structure of aggregated nanoparticles from microscopy-based images & application in characterization of ultrafine particulate matter	DST-SERB-SRG	Thajudeen,T., Dr. (M) Assistant Professor Indian Institute of Technology (Goa) Farmagudi Ponda - 403 401 Goa	25.81	24
1934	Mapping dynamic air pollution information to the choice of the travelers: Towards sustainable transport	DST-SERB-SRG	Agarwal,A., Dr. (M) Assistant Professor Indian Institute of Technology (Roorkee ) Roorkee-Haridwar Highway Roorkee - 247 667 Uttarakhand	25.34	24

BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1935	Micromechanism for biaxial stretching of biological cells	DST-SERB-SRG	Balakrishnan,S., Dr. (M) Assistant Professor Indian Institute of Technology (Goa) Farmagudi Ponda - 403 401 Goa	30.19	24
1936	Microstructurally guided computational & experimental analysis of failure mechanisms in fibre reinforced geopolymer concrete	DST-SERB-SRG	Dutta,S., Dr. (F) Assistant Professor Indian Institute of Technology (Roorkee ) Roorkee-Haridwar Highway Roorkee - 247 667 Uttarakhand	32.94	24
1937	Mixed-mode fracture behavior of shear thickening fluid impregnated glass fiber reinforced polymer composites	DST-SERB-SRG	Kushvaha,V.K., Dr. (M) Assistant Professor Indian Institute of Technology (Jammu) Nagrota Bypass Road Jammu - 181 221 Jammu & Kashmir	22.96	24
1938	Model based deep learning for multispectral optoacoustic mesoscopy	DST-SERB-SRG	Jayaprakash, Dr. (M) Assistant Professor Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	29.89	24
1939	Modeling latency in cell-free massive mimo to enable urlhc in 5g cellular systems	DST-SERB-SRG	Francis,J., Dr. (M) Assistant Professor Indian Institute of Technology (Palakkad) Ahila Integrated Campus, District Palakkad Kozhippara - 678 557 Kerala	11.01	24
1940	Modelling of advanced polycrystalline materials for crystal-plasticity simulations of machining processes	DST-SERB-SRG	Dodla,S., Dr. (M) Assistant Professor S.R.M. Institute of Sciences & Technology Department of Research, S.R.M. Nagar Kattankulathur - 603 203 Tamil Nadu	9.89	24
1941	Molecular design of highly permeable polymer grafted nanoparticle membranes	DST-SERB-SRG	Patra,T.K., Dr. (M) Assistant Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	29.23	24
1942	Morphological analysis of 3d surface growth in complex anatomical shapes - computational & experimental framework	DST-SERB-SRG	Raut,S.S., Prof. (M) Assistant Professor Indian Institute of Technology (Dharwad) Walmi Campus, Belur Industrial Area, P.B. Road Dharwad - 580 011 Karnataka	29.90	24
1943	Multi-effect membrane distillation for modular desalination & brine concentration	DST-SERB-SRG	Swaminathan,J., Dr. (M) Assistant Professor Grade II Indian Institute of Technology (Gandhinagar) Vishwakarma Government Engineering College Campus, Chandkheda Ahmedabad - 382 355 Gujarat	29.81	24
1944	Multimodal learning analytics for intelligent tutoring systems	DST-SERB-SRG	Rajendran,R., Dr. (M) Assistant Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	23.51	24
1945	Multi-scale modelling of viscoelastic damping in defect-engineered high entropy alloys	DST-SERB-SRG	Ranganathan,R., Dr. (M) Assistant Professor Indian Institute of Technology (Gandhinagar) Palaj Gandhinagar - 382 355 Gujarat	18.40	24
1946	Near net shape forming of tailor welded blanks to develop cost-effective lightweight auto-body parts for industry	DST-SERB-SRG	Bandyopadhyay,K., Dr. (M) Assistant Professor Indian Institute of Technology (Bhilai) Gec Campus, Sejbahar Bhilai - 492 015 Chhattisgarh	21.93	24
1947	Numerical investigation of magnetohydrodynamic flow in liquid metal batteries	DST-SERB-SRG	Ranjan,A., Dr. (M) Assistant Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	24.76	24

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1948	Object based spatial 3d audio rendering for augmented & virtual reality applications	DST-SERB-SRG	Narwaria,M., Dr. (M) Assistant Professor Indian Institute of Technology (Jodhpur) NH 65, Surpura Bypass Road, Karwar Jodhpur - 342 030 Rajasthan	25.84	24
1949	On parameterized complexity of combinatorial games on graphs	DST-SERB-SRG	Reddy,V.K., Dr. (M) Assistant Professor Indian Institute of Technology (Bhilai) G.E.C. Campus, Sejbahar Bhilai - 492 015 Chhattisgarh	12.99	24
1950	Onset of a flood warning system: An experimental & computational model	DST-SERB-SRG	Pahar,G., Dr. (M) Assistant Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	27.47	24
1951	Opinion dynamics in social networks with cooperative-competitiive interactions	DST-SERB-SRG	Vyavahare,P., Dr. (F) Assistant Professor Indian Institute of Technology (Tirupati) A Renigunta Road, Post Settipalli Tirupati - 517 506 Andhra Pradesh	19.94	24
1952	Optimal online data analysis & visualization of weather simulations at exascale	DST-SERB-SRG	Malakar,P., Dr. (F) Assistant Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	28.07	24
1953	Optimization of lithium-Ion battery design & operation towards aging-controlled fast charging: Experimental & modeling investigations	DST-SERB-SRG	Sharma,A.K., Dr. (M) Assistant Professor Indian Institute of Technology (Roorkee ) Roorkee-Haridwar Highway Roorkee - 247 667 Uttarakhand	28.68	24
1954	Owl-inspired aerodynamic noise reduction of a flapping wing unmmanned aerial vehicle	DST-SERB-SRG	Arora,N., Dr. (M) Assistant Professor Indian Institute of Technology (Jodhpur) NH 65, Supura Bypass Road, Karwar Jodhpur - 342 030 Rajasthan	29.48	24
1955	Pedestrian safety in mixed traffic conditions: Probing executable solutions to enhance vulnerable road users' safety using a pedestrian simulator	DST-SERB-SRG	Choudhary,P., Dr. (F) Assistant Professor Indian Institute of Technology (Roorkee ) Roorkee-Haridwar Highway Roorkee - 247 667 Uttarakhand	31.90	24
1956	Per/Polyfluorinated alkyl substances (Pfas) removal from natural water systems using naturally derived sorbents: Role of co-contaminants & regeneration chemistry	DST-SERB-SRG	Nawaz,T., Prof. (M) Assistant Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	31.35	24
1957	Performance based bituminous mix & road design	DST-SERB-SRG	Varma,S., Dr. (M) Assistant Professor Indian Institute of Technology (Patna) Bihta Patna - 801 106 Bihar	28.38	24
1958	Perovskite solar cells: Moisture, thermal & photophysical stability improvement	DST-SERB-SRG	Nalwa,K.S., Dr. (M) Assistant Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	28.16	24
1959	Phase-resolved inter-rotor aerodynamic interactions investigation	DST-SERB-SRG	Shukla,D.P., Dr. (M) Assistant Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	31.24	24
1960	Programmable electronic Jacquard machine for complex designs in handloom sector	DST-SERB-SRG	Batta,K., Dr. (M) Assistant Professor National Institute of Technology (Warangal) Warangal - 506 004 Telangana	22.06	24
1961	Prosody mapping across Indian languages: Application towards incorporation of Prosody in speech-to-speech translation systems	DST-SERB-SRG	Paidi,G., Dr. (M) Associate Professor Koneru Lakshmaiah Education Foundation R.V.S. Nagar, Moinabad Road, Aziz Nagar Hyderabad - 500 075 Telangana	22.62	24

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

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1962	Rational design & hetrogenization of heteropolyacid catalysts for the production of alkyl levulinates as green gasoline additives	DST-SERB-SRG	Ahmad,E., Dr. (M) Assistant Professor Indian Institute of Technology (Dhanbad) Sardar Patel Nagar Dhanbad - 826 004 Jharkhand	30.91	24
1963	Real-time estimation of core body temperature based on non-invasive measurements: Towards development of a reliable & low-cost device for heat stroke prevention & healthcare monitoring	DST-SERB-SRG	Udayraj, Dr. (M) Assistant Professor Indian Institute of Technology (Bhilai) G.E.C. Campus, Sejbahar Bhilai - 492 015 Chhattisgarh	29.07	24
1964	Recovery of rare earths & other major elements from Ndfeb magnets	DST-SERB-SRG	Borra,C.R., Dr. (M) Assistant Professor Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	32.98	24
1965	Reduced-order modelling of electrowetting for applications in droplet microfluidics	DST-SERB-SRG	Pillai,D.S., Dr. (M) Assistant Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	15.97	24
1966	Resource-optimized fog computing for smart healthcare application in lot-enabled heterogeneous networks	DST-SERB-SRG	Pratap,A., Dr. (M) Assistant Professor Indian Institute of Technology (BHU) Banaras Hindu University Varanasi - 221 005 Uttar Pradesh	29.07	24
1967	Robot-assisted diagnosis of Autism spectrum disorder	DST-SERB-SRG	Shukla,J., Dr. (M) Assistant Professor Indraprastha Institute of Information Technology Okhla Industrial Estate, Phase III New Delhi - 110 020 Delhi	29.30	24
1968	Robust & reliability based design optimization & performance assessment of superelastic Shape memory alloy (Sma) damper for seismic vibration control of structures	DST-SERB-SRG	Gur,S., Dr. (M) Assistant Professor Indian Institute of Technology (Patna) Bihta Patna - 801 106 Bihar	16.72	24
1969	Roughness, adhesion & friction: A computer simulation & experiment approach	DST-SERB-SRG	Singh,M.K., Dr. (M) Assistant Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	30.73	24
1970	Scalable asynchronous computing method for solving partial differential equations	DST-SERB-SRG	Aditya,K., Dr. (M) Assistant Professor Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	15.76	24
1971	Secure & robust coordination & control of autonomous multi-vehicle systems with desired constraints	DST-SERB-SRG	Jain,A., Dr. (M) Assistant Professor Indian Institute of Technology (Jodhpur) NH 65, Surpura Bypass Road, Karwar Jodhpur - 342 030 Rajasthan	29.85	24
1972	Securing quantum cryptographic chips against scan-based side-channel attacks	DST-SERB-SRG	Ahlawat,S., Dr. (M) Assistant Professor Indian Institute of Technology (Jammu) Nagrota Bypass Road Jammu - 181 221 Jammu & Kashmir	30.12	24
1973	Signal processing for Co-existence between radar & future communication systems	DST-SERB-SRG	Biswas,S., Dr. (M) Assistant Professor Indian Institute of Information Technology NH 37, Bongara Guwahati - 781 015 Assam	18.19	24
1974	Simultaneous laser annealing & doping technique to improve the energy density of lifepo4 electrodes deposited on textured current collectors	DST-SERB-SRG	Srinagalakshmi,N., Dr. (F) Assistant Professor Vellore Institute of Technology University Tiruvalam Road, Katpadi Vellore - 632 014 Tamil Nadu	27.53	24

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1975	Simultaneous treatment of gaseous btx & wastewater containing nitrate & sulphate by using an anaerobic hybrid bioreactor for methan production	DST-SERB-SRG	Padhi,S.K., Dr. (M) Assistant Professor Shiv Nadar University Village Chithera, Tehsil Dadri Noida - 201 314 Uttar Pradesh	19.40	24
1976	Single point of interaction self-referenced fiber optic Spr sensors for improvement of sensor response & reliability	DST-SERB-SRG	Srivastava,S.K., Dr. (M) Assistant Professor Indian Institute of Technology (Roorkee ) Roorkee-Haridwar Highway Roorkee - 247 667 Uttarakhand	32.01	24
1977	Slippery properties of liquid impregnated micro-cavities	DST-SERB-SRG	Rowthu,S., Prof. (F) Assistant Professor Indian Institute of Technology (Gandhinagar) Vishwakarma Government Engineering College Campus, Chandkheda Ahmedabad - 382 355 Gujarat	32.65	24
1978	Social network assisted collaborative cellular networks	DST-SERB-SRG	Thakur,R., Dr. (M) Assistant Professor Indian Institute of Technology (Roorkee ) Roorkee-Haridwar Highway Roorkee - 247 667 Uttarakhand	21.88	24
1979	Spatial stress correlations in strong colloidal gel & its connection to yielding/plasticity	DST-SERB-SRG	Roy,S., Dr. (M) Assistant Professor Indian Institute of Technology (Ropar) Nangal Road, Hussainpur Rupnagar - 140 001 Punjab	32.45	24
1980	Spatiotemporal resource orchestration for Sdn/Nfv-based end-to-end network slicing in 5g networks	DST-SERB-SRG	Das,T., Prof. (M) Assistant Professor Grade I Indian Institute of Technology (Dharwad) Walmi Campus, Belur Industrial Area, P.B. Road Dharwad - 580 011 Karnataka	19.50	24
1981	Stochastic material degradation based large deformation finite element analysis of Frp composites in hygrothermal environment using thickness stretching kinematic model - special investigation of tidal turbine blades	DST-SERB-SRG	Punera,D., Dr. (M) Assistant Professor Grade II Indian Institute of Technology (Bhubaneswar) Arugul, Jatni Bhubaneswar - 752 050 Odisha	15.32	24
1982	Systems & methods for fast charging & efficient power management of electric vehicles	DST-SERB-SRG	Das,M., Dr. (F) Assistant Professor Indian Institute of Technology (Mandi) VPO Kamand, Tehsil Sadar, Parashar Road Mandi - 175 005 Himachal Pradesh	32.84	24
1983	Thermo-hydro-mechanical (Thm) response of fine-grained soils	DST-SERB-SRG	Mondal,S., Dr. (M) Assistant Professor National Institute of Technology (Jamshedpur) Adityapur Jamshedpur - 831 014 Jharkhand	31.67	24
1984	Timing synchronization in cell-free massive mimo systems	DST-SERB-SRG	Mukherjee,S., Dr. (M) Assistant Professor Indian Institute of Technology (Guwahati) Surjyamukhi Road, North Amingaon Guwahati - 781 039 Assam	11.91	24
1985	Towards fair & interpretable machine learning models	DST-SERB-SRG	Jain,S., Dr. (F) Assistant Professor Indian Institute of Technology (Ropar) Nangal Road, Hussainpur Rupnagar - 140 001 Punjab	27.61	24
1986	Transient pattern evolution, crystal growth & deposition kinetics from drying complex fluid microdroplets under non-tractile fields	DST-SERB-SRG	Dhar,P., Prof. (M) Assistant Professor Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	31.94	24
1987	Transmit antenna cluster selection schemes to reduce feedback bits for next generation wireless communication systems	DST-SERB-SRG	Garg,A., Dr. (M) Assistant Professor Jaypee Institute of Information Technology A-10, Sector 62 Noida - 201 307 Uttar Pradesh	17.36	24



BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1988	Ultra-reliable machine to machine communication with short packets for mission critical applications	DST-SERB-SRG	Mohapatra,P., Dr. (M) Assistant Professor Indian Institute of Technology (Tirupati) A Renigunta Road, Post Settipalli Tirupati - 517 506 Andhra Pradesh	13.71	24
1989	Ultrasound phase spectroscopy based study of deformation & damage mechanism in porous copper under monotonic & fatigue loading conditions	DST-SERB-SRG	Roy,S., Dr. (M) Assistant Professor Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	32.01	24
1990	Uncertainty-resilient multi-harvester metamaterials for optimal nonlinear energy harvesting	DST-SERB-SRG	Mukhopadhyay,T., Dr. (M) Assistant Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	19.01	24
1991	Understanding the deformation mechanisms under in-plane shear & role of pre-twinning on formability behavior of Az31-Xca Mg alloy sheets	DST-SERB-SRG	Singh,J., Dr. (M) Assistant Professor Indian Institute of Technology (Jodhpur) NH 65, Surpura Bypass Road, Karwar Jodhpur - 342 037 Rajasthan	32.99	24
1992	Unifying approaches to demonstrate finfet based leaky integrate & fire neuron for neuromorphic computing	DST-SERB-SRG	Pradhan,K.P., Dr. (M) Assistant Professor Indian Institute of Information Technology, Design & Manufacturing Melakottaiyur Vilege, Nellikuppam Road, Kancheperum Chennai - 600 127 Tamil Nadu	12.91	24
1993	Vehicle interdiction strategy in complex road networks	DST-SERB-SRG	Sen,G., Dr. (M) Assistant Professor Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	23.23	24
1994	Water soluble & flexible quantum 2d materials devices for personal healthcare monitoring	DST-SERB-SRG	Sahatiya,P., Dr. (M) Assistant Professor Birla Institute of Technology & Science (Pilani ) Shamirpet Keesara Road, Jawahar Nagar, Shameerpet Hyderabad - 500 078 Telangana	26.61	24
1995	Weargem - wearable for continuous glucose monitoring using microneedle assisted reverse iontophoresis	DST-SERB-SRG	Eswaramoorthy,K.V., Dr. (M) Assistant Professor Indian Institute of Information Technology, Design & Manufacturing Dinnedavarapadu Grama Panchayat Kurnool - 518 007 Andhra Pradesh	12.77	24
1996	Wind turbine wake interactions with surface roughness heterogeneities: Large eddy simulation & analytical modelling studies	DST-SERB-SRG	Ghaisas,N.S., Dr. (M) Assistant Professor Indian Institute of Technology (Hyderabad) Kandi Village Sangareddy - 502 285 Telangana	32.25	24
1997	Bulk preparation of p-type & n-type materials for excitonic solar cells	DST-SERI	Kumar,R., Dr. (F) Senior Scientist CSIR-National Physical Laboratory Dr. K.S. Krishnan Marg New Delhi - 110 012 Delhi	58.24	36
1998	Demonstration of solution processable, slot-die coated organic photovoltaic modules with >8% efficiency	DST-SERI	Ray,D., Dr. (M) Assistant Professor Indian Institute of Technology (Madras) Department of Electrical Engineering Chennai - 600 036 Tamil Nadu	351.40	36
1999	Design & development of 800kg multicrystalline silicon mc-Si directional solidification furnace & slicing machines for making commercial size mc-Si wafers	DST-SERI	Ramasamy,P., Prof. (M) Dean (Research) Sri Sivasubramaniya Nadar College of Engineering Department of Physics, Kalavakkam Chennai - 603 110 Tamil Nadu	1205.21	36
2000	Design & fabrication of an LED-based solar simulator with integrated electrical & optical measurement capability	DST-SERI	Ajoy,A., Dr. (M) Assistant Professor Indian Institute of Technology (Palakkad) Palakkad - 678 557 Kerala	65.41	36

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

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2001	Design, development & qualification of large area 156 mm x 156 mm secondary reference solar cells	DST-SERI	Banerjee,C., Dr. (M) Dept. Director General National Institute of Solar Energy Gwalpahari Gurgaon - 122 003 Haryana	304.92	36
2002	Field deployment & scale - up of volumetrically controlled wankel steam expander for use with low-pressure solar & process steam	DST-SERI	Seshadri,S., Dr. (M) Assistant Professor Indian Institute of Technology (Madras) Department of Applied Mechanics Chennai - 600 036 Tamil Nadu	203.97	36
2003	Ajanta education research & restoration project	DST-SHRI	Pawar,P., Mr. (M) Director Prasad Pawar Foundation Department of Art & History & Restoration Nasik - 422 009 Maharashtra	94.25	20
2004	Archaeo-genetic research & cultural resource management at Rakhigarhi	DST-SHRI	Shinde,V., Prof. (M) Former Vice-Chancellor Bharati Vidyapeeth University Pune - 411 006 Maharashtra	495.69	36
2005	Centre for Excellence in Inclusive Technology Interventions for Tribal Heritage Resilience of Kerala	DST-SHRI	Pillai,M.R., Prof. (M) Director Rajiv Gandhi Centre for Biotechnology Coimbatore - 641 032 Tamil Nadu	269.49	12
2006	Creation of excellence on conservation of Indian heritage structures at CSIR-CHRI, Roorkee	DST-SHRI	Krishnan,N.G., Dr. (M) Scientist CSIR-Central Building Research Institute Structural Engineering Group Roorkee - 247 667 Uttarakhand	498.26	36
2007	Design & implementation of novel hybrid water marking algorithms, for copyrights protection of culture artifacts, with special reference to IRP protection of Kashmiri folk songs & heritage imagery	DST-SHRI	Parah,S.A., Dr. (M) Associate Professor Kashmir University Department of Electronics & Information Technology Srinagar - 190 006 Jammu & Kashmir	58.68	36
2008	Digital preservation & online portal for encyclopedic Sanskrit dictionary	DST-SHRI	Katre,D., Dr. (M) Senior Director Centre for Development of Advanced Computing (C-DAC) Human-Centred Design & Computing Group Pune - 411 008 Maharashtra	683.44	36
2009	Restoration & conservation of natural silk dyeing technique & ethnic design of silk cultural heritage of Manipur ..	DST-SHRI	Shantibala,T., Dr. (F) Central Agricultural University Iroisemba Imphal - 795 004 Manipur	44.44	24
2010	Technological intervention for preservation of tribal food processing technologies & heritage	DST-SHRI	Fred,A.L., Dr. (M) Principal Mar Ephraem College of Engineering & Technology Malankara Hills, Elavuvilai Marthandam - 629 171 Tamil Nadu	165.33	12
2011	Technology interventions for indigenous handicraft products of Tamil Nadu	DST-SHRI	Kalaiselvi,R., Dr. (M) Professor Centre for Sponsored Research & Consultancy Rajalakshmi Nagar Thandalam - 602 105 Tamil Nadu	212.51	12
2012	Establishing/strengthening the State Climate Change Cell in the state of Sikkim (Phase-II)	DST-SPLICE-CCP	Shrestha,D.G., Mr. (M) Department of Science & Technology Vigyan Bhawan, Deorali Gangtok - 737 101 Sikkim	272.31	36
2013	Assistance for S&T Secretariat to Andhra Pradesh State Council of Science & Technology for FY 2020-21	DST-SSTP	Director, The Andhra Pradesh State Council of Science & Technology Department of Forest, Environment, Science & Technology, Bhavani Puram Vijayawada - 520 012 Andhra Pradesh	37.44	36

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
2014	Assistance for S&T Secretariat to Arunachal Pradesh State Council of Science & Technology for FY 2020-21	DST-SSTP	Director, The Arunachal Pradesh State Council for Science & Technology Department of Science & Technology, Maung-Phi Complex, ESS-Sector Itanagar - 791 113 Arunachal Pradesh	102.51	36
2015	Assistance for S&T Secretariat to Assam Science & Technology & Environment Council for FY 2020-21	DST-SSTP	Director, The Assam Science Technology & Environment Council Department of Science & Technology, Bigyan Bhawan, G.S. Road Guwahati - 781 005 Assam	183.35	36
2016	Assistance for S&T Secretariat to Chhattisgarh Council of Science & Technology for FY 2020-21	DST-SSTP	Director, The Chhattisgarh Council of Science & Technology M.I.G. 25, Indravati Colony Raipur - 492 007 Chhattisgarh	121.12	36
2017	Assistance for S&T Secretariat to Council of Science & Technology Uttar Pradesh for FY 2020-21	DST-SSTP	Director, The Council of Science & Technology, Uttar Pradesh Vigyan Bhavan 9, Nabiullah Road, Surajkund Park Lucknow - 226 018 Uttar Pradesh	44.28	36
2018	Assistance for S&T Secretariat to Department of Science, Technology & Environment Puducherry for FY 2020-21	DST-SSTP	Director, The Department of Science, Technology & Environment 3rd Floor, Housing Board Building, Anna Nagar, Nellithope Puducherry - 605 005 Puducherry	23.92	36
2019	Assistance for S&T Secretariat to Goa State Council of Science & Technology C/o Department of Science, Technology & Environment for FY 2020-21	DST-SSTP	Director, The Goa State Council of Science & Technology C/o Department of Science, Technology & Environment, Saligo Plateau Bardez - 403 511 Goa	82.65	36
2020	Assistance for S&T Secretariat to Gujarat Council of Science & Technology, GUJCOST for FY 2020-21	DST-SSTP	Director, The Gujarat Council on Science & Technology Block No. B, 7th Floor, M.S. Building, Sector 11 Gandhinagar - 382 011 Gujarat	81.52	36
2021	Assistance for S&T Secretariat to Haryana State Council of Science & Technology for FY 2020-21	DST-SSTP	Director, The Haryana State Council for Science & Technology Department of Science & Technology, Bays 35-38, Sector 2 Panchkula - 134 112 Haryana	23.49	36
2022	Assistance for S&T Secretariat to Karnataka State Council of Science & Technology (KSCST) for FY 2020-21	DST-SSTP	Director, The Karnataka State Council for Science & Technology IISC Campus, C.V. Raman Road Bengaluru - 560 012 Karnataka	152.80	36
2023	Assistance for S&T Secretariat to Kerala State Council of Science & Technology & Environment (KSCSTE) for FY 2020-21	DST-SSTP	Director, The Kerala State Council for Science, Technology & Environment Sasthra Bhavan, P.O. Pattom Thiruvananthapuram - 695 004 Kerala	108.12	36
2024	Assistance for S&T Secretariat to Madhya Pradesh Council of Science & Technology for FY 2020-21	DST-SSTP	Director, The Madhya Pradesh Council of Science & Technology Vigyan Bhawan, Nehru Nagar P.O. Manit Bhopal - 462 003 Madhya Pradesh	180.54	36
2025	Assistance for S&T Secretariat to Manipur Science & Technology & Council for FY 2020-21	DST-SSTP	Director, The Manipur Science & Technology Council Central Jail Road Imphal - 795 001 Manipur	135.52	36

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
2026	Assistance for S&T Secretariat to Mizoram Science & Technology & Innovation Council, Directorate of Science & Technology for FY 2020-21	DST-SSTP	Director, The Mizoram Science, Technology & Innovation Council Directorate of Science & Technology Aizawal - 796 012 Mizoram	98.52	36
2027	Assistance for S&T Secretariat to Nagaland State Council of Science & Technology for FY 2020-21	DST-SSTP	Director, The Nagaland Science & Technology Council Science & Technology Complex Kohima - 797 004 Nagaland	94.58	36
2028	Assistance for S&T Secretariat to Punjab State Council of Science & Technology for FY 2020-21	DST-SSTP	Director, The Punjab State Council for Science & Technology MGSIPAP Complex, Sector 26 Chandigarh - 160 019 Chandigarh	163.60	36
2029	Assistance for S&T Secretariat to Rajasthan Council of Science & Technology for FY 2020-21	DST-SSTP	Director, The Rajasthan Council for Science & Technology Department of Science & Technology, 506, 4th Floor, Mini Secretariat, Bani Park Jaipur - 302 016 Rajasthan	137.04	36
2030	Assistance for S&T Secretariat to Rajiv Gandhi Science & Technology Commission for FY 2020-21	DST-SSTP	Director, The Rajiv Gandhi Science & Technology Commission 7th Floor, Mantralaya Mumbai - 400 032 Maharashtra	35.00	36
2031	Assistance for S&T Secretariat to Sikkim State Council of Science & Technology for FY 2020-21	DST-SSTP	Director, The Sikkim State Council of Science & Technology Development Area Gangtok - 737 101 Sikkim	78.24	36
2032	Assistance for S&T Secretariat to State Council of Science & Technology & Environment (SCSTE) Meghalaya for FY 2020-21	DST-SSTP	Director, The State Council of Science, Technology & Environment Lower Lachumiere Shillong - 793 001 Meghalaya	30.24	36
2033	Assistance for S&T Secretariat to State Council of Science & Technology & Environment, Himachal Pradesh for FY 2020-21	DST-SSTP	Director, The Himachal Pradesh Council for Science, Technology & Environment 34, SDA Complex, Kasumpti Shimla - 171 009 Himachal Pradesh	117.54	36
2034	Assistance for S&T Secretariat to Tamil Nadu State Council of Science & Technology for FY 2020-21	DST-SSTP	Director, The Tamil Nadu State Council For Science & Technology Sardar Patel Road, DOTE Campus Chennai - 600 025 Tamil Nadu	72.87	36
2035	Assistance for S&T Secretariat to Telangana State Council for Science & Technology, Environment, Forest Science & Technology for FY 2020-21	DST-SSTP	Director, The Telangana State Council of Science & Technology Department of Environment, Forest Science & Technology, 12th Floor, Eastern Wing, Gagan Vihar, M.J. Road, Nampally Hyderabad - 500 001 Telangana	37.28	36
2036	Assistance for S&T Secretariat to Tripura State Council of Science & Technology for FY 2020-21	DST-SSTP	Director, The Tripura State Council for Science & Technology 1st Floor, Vigyan Bhawan, Pt. Nehru Complex, Gorakhabasti Agartala - 799 006 Tripura	73.58	36
2037	Assistant for S&T Secretariat to Uttarakhand State Council for Science & Technology for FY 2020-21	DST-SSTP	Director, The Uttarakhand State Council for Science & Technology 6, Vasant Vihar, Phase I Dehradun - 248 006 Uttarakhand	112.78	36

BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
2038	Does Pm2-5 composition matter (in comparison to Pm 2-5 Mass ) in health impact assessment for the Indian population?	DST-SUPRA	Dey,S., Dr. (M) Associate Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	50.45	36
2039	Investigating uncharted 2d catalytic materials for lignocellulosic biomass transformation into high-value platform chemicals & fuel	DST-SUPRA	Pant,K.K., Dr. (M) Chair Professor & Head Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	76.49	36
2040	A novel bioreactor for biodegradation of marine plastic litter in coastal Andhra Pradesh	DST-SYST	Sengupta,S., Dr. (F) Vignan's Foundation for Science, Technology & Research Department of Sciences & Humanities Guntur - 522 213 Andhra Pradesh	29.30	36
2041	Adoption of artificial intelligence for the management of potato diseases in Punjab	DST-SYST	Verma,A., Mr. (M) Assistant Professor Chandigarh University Gharuan Mohali - 140 413 Punjab	32.03	36
2042	An integrated technology for treatment of micro plastics & plastic derived compounds from municipal landfill leachate	DST-SYST	Kandasamy,R., Dr. (M) Associate Professor S.R.M. Institute of Sciences & Technology Department of Biotechnology, School of Bioengineering, S.R.M. Institute of Sciences & Technology Kattankulathur - 603 203 Tamil Nadu	40.14	36
2043	Application of carbon nano tubes for wastewater treatment/purification	DST-SYST	Sharma,A., Ms. (F) Chandigarh University Ghraun Mohali - 140 413 Punjab	32.14	36
2044	Artificial intelligence based vision for grasp classification in prosthetic hands	DST-SYST	Vasamsetti,S., Mr. (M) Senior Scientist CSIR-Central Scientific Instruments Organization Sector-30 Chandigarh - 160 030 Chandigarh	29.52	36
2045	Defluoridation of water using low cost domestic clay filters by involving potter community of rural Rajasthan	DST-SYST	Parwani,L., Dr. (F) Banasthali Vidyapeeth Department of Bioscience & Biotechnology Tonk - 304 022 Rajasthan	31.42	36
2046	Design & development of a knee joint assistive apparatus for elderly & obese persons	DST-SYST	Mythili,C., Dr. (F) Assistant Professor University College of Engineering Department of Electrical & Electronics Engineering, Konam Nagercoil - 629 004 Tamil Nadu	33.14	36
2047	Design & development of acoustic based gadget for maturity detection in melons	DST-SYST	Pandurang,A.P., Dr. (M) Scientist ICAR-Indian Agricultural Research Institute Division of Agricultural Engineering, Pusa Campus New Delhi - 110 012 Delhi	55.16	36
2048	Design & development of an eco-friendly postharvest technology for simultaneous dehydration & disinfection of agro crops	DST-SYST	Venkatesh,T., Dr. (M) Scientist CSIR-National Institute for Interdisciplinary Science & Technology Industrial Estate, Paapanamcode Thiruvananthapuram - 695 019 Kerala	38.22	36
2049	Design & development of coconut harvesting robot	DST-SYST	Mandava,R.K., Dr. (M) Assistant Professor Maulana Azad National Institute of Technology Link Road Number 3, Near Kali Mata Mandir Bhopal - 462 003 Madhya Pradesh	23.17	36

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
2050	Design & development of hybrid delivery system for indigenously developed green cutting fluid	DST-SYST	Katna,R., Mr. (M) Delhi Institute of Tool Engineering Maa Anandmayee Marg, Okhla Industrial Areal, Phase II New Delhi - 110 020 Delhi	34.40	36
2051	Design & development of induction based air assisted electrostatic sprayer	DST-SYST	Jyoti,B., Dr. (M) Scientist ICAR-Central Institute of Agricultural Engineering Nabibagh, Berasia Road Bhopal - 462 038 Madhya Pradesh	36.18	36
2052	Design & development of soft robotic system for selective harvesting of coffee cherries	DST-SYST	Shenoy,M.V., Dr. (F) Assistant Professor Birla Institute of Technology & Science (Pilani ) Department of Electrical & Electronics Engineering Pilani - 333 031 Rajasthan	39.78	36
2053	Design & testing of robust, high efficient, low polluting LPG porous burners for household applications	DST-SYST	Parthasarathy,P., Dr. (M) Assistant Professor National Institute of Technology (Karnataka) Department of Mechanical Engineering, NH 66, Srinivas Nagar Surathkal - 575 025 Karnataka	29.34	36
2054	Designing & fabrication of micro fluidic PDMS Paper chip for early detection of neonatal sepsis	DST-SYST	Rajesh,P.S., Dr. (M) Assistant Professor Yenepoya University Yenepoya Research Centre Mangalore - 575 018 Karnataka	28.48	36
2055	Detection of food adulteration using IR detector	DST-SYST	Selvakumar,D., Dr. (M) Associate Professor Sri Krishna College of Engineering & Technology Department of Electronics & Communication Engineering Coimbatore - 641 008 Tamil Nadu	36.73	36
2056	Developing bioplastic blends for food packaging using polyhydroxyalkanoate & violacein from Himalayan bacterium Iodobactersp	DST-SYST	Kumar,V., Dr. (M) CSIR-Institute of Himalayan Bioresource Technology NH-154, Holta Palampur - 176 061 Himachal Pradesh	39.94	36
2057	Developing cheaper Nutrigel for improving water & nutrient use efficiency in degraded lands of Bundelkhand	DST-SYST	Ghosh,A., Dr. (M) Scientist ICAR-Indian Grassland & Fodder Research Institute Near Pahuj Dam, Gwalior Road Jhansi - 284 003 Uttar Pradesh	39.14	36
2058	Development & evaluation of nanoadsorbent filter system for dairy plant effluent treatment	DST-SYST	Dinesha,B.L., Dr. (M) University of Agricultural Sciences Department of Processing & Food Engineering, College of Agricultural Engineering, Centre for Nanotechnology Raichur - 584 104 Karnataka	43.17	36
2059	Development & evaluation of novel point of care non-invasive diagnostic method for leptospirosis	DST-SYST	Behera,S.K., Dr. (M) Assistant Professor Central University of Tamil Nadu Department of Epidemiology & Public Health Thiruvarur - 610 005 Tamil Nadu	21.17	36
2060	Development & validation of indigenous kit for detection of food spoilage	DST-SYST	Singh,G., Dr. (M) Indian Institute of Technology (Ropar) Department of Chemistry Rupnagar - 140 001 Punjab	39.29	36
2061	Development of a foldable smart live fish transportation system for distant trade of table fish	DST-SYST	Parvathy,U., Dr. (F) Scientist ICAR-Central Institute of Fisheries Technology Willingdon Island, P.O. Matsyapuri Kochi - 682 029 Kerala	48.78	36

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
2062	Development of a foldable smart live fish transportation system for distant trade of table fish	DST-SYST	Bankapur,A., Dr. (F) Associate Professor Manipal University Department of Atomic & Molecular Physics, Madhav Nagar Manipal - 576 104 Karnataka	39.17	36
2063	Development of nutraceutical supplement for diarrheal conditions	DST-SYST	Singh,S.P., Mr. (M) CSIR-National Botanical Research Institute Division of Pharmacognosy, Rana Pratap Marg Lucknow - 226 001 Uttar Pradesh	23.26	36
2064	Development of pervaporation process for separation of lycopene from tomato waste	DST-SYST	Kodape,S.M., Dr. (M) Assistant Professor Visvesvaraya National Institute of Technology (Nagpur) Department of Chemical Engineering, South Ambazari Road Nagpur - 440 010 Maharashtra	25.38	36
2065	Development of seaweed based nutraceutical formulation as dietary supplements: Phytosterol & fucoidan as anti-diabetic & anticholestrolemic) as active ingredients	DST-SYST	Seghal,K.G., Dr. (F) Assistant Professor Pondicherry University Department of Food Science & Technology Kalapet - 605 014 Puducherry	46.00	36
2066	Energy aware smart street lamp design for autonomous maintenance using AI & fog computing	DST-SYST	Sujana,J.A.J., Dr. (F) Associate Professor Mepco Schlenk Engineering College Amathur, Virudhunagar Sivakasi - 626 005 Tamil Nadu	25.25	36
2067	Engineering intervention for mechanization of Mozzarella cheese manufacture at cottage scale	DST-SYST	Talwar,G., Dr. (F) Guru Angad Dev Veterinary & Animal Science University Department of Dairy Engineering, Ferozpur Road Ludhiana - 141 012 Punjab	35.91	36
2068	Hybrid calix [4] arena fluorescence paper based device for recognitions & determination of pesticides	DST-SYST	Sutariya,P.K.G., Dr. (M) Assistant Professor Bhavan's Shri I.L. Pandya Arts, Science & Jashodaben Shah Commerce College Department of Chemistry, Kheda Dakor - 388 225 Gujarat	48.45	36
2069	In-situ diagnosis & digital cataloging of plant pathogenic fungi through fold scope microscopy - A frugal science approach	DST-SYST	Moventhan,P., Dr. (M) Scientist ICAR-National Institute of Biotic Stress Management Baronda Raipur - 493 225 Chhattisgarh	41.12	36
2070	IoT based intelligent Integrated Cyber physical sensor framework for building Fire Disaster Management (IC-FDM)	DST-SYST	Shome,S.K., Prof. (M) Senior Scientist CSIR-Central Mechanical Engineering Research Institute M.G. Avenue Durgapur - 713 209 West Bengal	43.96	36
2071	Low cost bio-fortification kit: A sustainable technology tool for nutrition, yield & income security of farmers	DST-SYST	Gudadhe,N.N., Dr. (M) Assistant Professor Navsari Agricultural University Department of Agronomy, N.M. College of Agriculture Navsari - 396 450 Gujarat	25.89	36
2072	Mapping & quantifying ecosystem service provisioning in Kashmir, India under changing climate	DST-SYST	Meraj,G., Mr. (M) Department of Ecology, Environment & Remote Sensing SDA Colony, Bemina Srinagar - 190 018 Jammu & Kashmir	31.27	36
2073	Mobile eye tracking technology for early detection of glaucoma	DST-SYST	Shonraj,B.G., Dr. (M) Assistant Professor Manipal University Madhava Nagar, Udupi Manipal - 576 104 Karnataka	35.00	36

BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
2074	Nano-Bee-Lure - A novel nano based honeybee lure dispense mechanism to increase pollination in vegetable crops	DST-SYST	Praghadeesh,M., Dr. (M) Tamil Nadu Agricultural University Department of Nano Science & Technology, Lawley Road Coimbatore - 641 003 Tamil Nadu	46.76	36
2075	National coordination of Scheme for Young Scientists & Technology (SYST)	DST-SYST	Barik,S.K., Prof. (M) CSIR-National Botanical Research Institute Rana Pratap Marga Lucknow - 226 001 Uttar Pradesh	369.67	36
2076	Neuroprotective phytoceutical neuro strips for Alzheimer's disease	DST-SYST	Deore,S.L., Dr. (F) Associate Professor Government College of Pharmacy Kathora Naka Amravati - 444 604 Maharashtra	33.77	36
2077	Non-chemical management of stored-grain moths using flexible light-trap	DST-SYST	Guru,P.N., Dr. (M) Scientist ICAR-Central Institute of Post Harvest Engineering & Technology Department of Agricultural Entomology, Division of Food Grains & Oilseeds Processing Ludhiana - 141 004 Punjab	48.58	36
2078	Nutritional enrichment of agricultural wastes with essential fatty-acid producing Thraustochytrids as improved feed for aquaculture	DST-SYST	Velmurugan,N., Dr. (M) Scientist CSIR-North East Institute of Science & Technology Branch Laboratory, G-Sector, Naharlagun Itanagar - 791 110 Arunachal Pradesh	42.74	36
2079	Process engineering for green polymer nanocomposite (bioplastic) from agricultural residue for food packing application	DST-SYST	Aniya,V., Dr. (M) Scientist C CSIR-Indian Institute of Chemical Technology Uppal Road, Tarnaka Hyderabad - 500 007 Telangana	71.21	36
2080	Prospecting & assessment of certain indigenous recipes of Badri Tulsi from Uttarakhand highlands	DST-SYST	Joshi,P., Dr. (F) Uttarakhand State Council for Science & Technology Vigyan Dham, Jhara, Premnagar Dehradun - 248 007 Uttarakhand	45.76	36
2081	Rationally designed flexible three dimensional interconnected piezoelectric composites foam for highly efficient mechanical energy harvesting	DST-SYST	Ananthakumar,R., Dr. (M) Junior Scientist Central Institute of Plastics Engineering & Technology School of Advanced Research in Polymers: LARPM, B/25, CNI Complex, Patia Bhubaneswar - 751 024 Odisha	29.70	36
2082	Recycling of machining & packing waste via an innovative additive manufacturing process	DST-SYST	Singh,M., Mr. (M) Indian Institute of Technology (Ropar) Nangal Road Rupnagar - 140 001 Punjab	38.07	36
2083	Revival of traditional practices of, use of chay root for color-fast red dye	DST-SYST	Sadasivam,M., Dr. (F) Shri A.M.M. Murugappa Chettiar Research Centre Taramani Chennai - 600 113 Tamil Nadu	48.59	36
2084	Sarathi - An IoT based complete health assistant for the mother & the child	DST-SYST	Choudhury,N., Ms. (F) Assistant Professor Assam Don Bosco University Department of Computer Science & Engineering, School of Technology, Azara Guwahati - 781 017 Assam	40.26	36
2085	Smart sensor network platform for irrigation scheduling in saffron & rice in Kashmir, India	DST-SYST	Dar,E.A., Dr. (M) Scientist Sher-E-Kashmir University of Agriculture Sciences & Technology (Kashmir) Department of Agronomy, Shalimar Srinagar - 190 025 Jammu & Kashmir	43.50	36



## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
2086	Smartphone enabled peer led diabetes care for last mile connectivity in rural India	DST-SYST	Gudlavalleti,A.G., Dr. (M) Indian Institute of Public Health Public Health Foundation of India, Plot No.1, ANV Arcade, Amar Cooperative Society, Kavuri Hills Madhapu Hyderabad - 500 033 Telangana	50.40	36
2087	Sustainable production of insect proteins with new technologies for protein energy malnutrition	DST-SYST	Divya, Dr. (F) Assistant Professor Chandigarh University Sahibzada Ajit Singh Nagar, NH 95, Ludhiana Highway Mohali - 140 413 Punjab	36.90	36
2088	Synthesis of high strength & corrosion resistant nano-structured stainless steels by selective laser melting	DST-SYST	Shamanth,V., Dr. (M) Associate Professor Reva University School of Mechanical Engineering, Rukmini Knowledge Park, Kattigenahalli, Yelahanka Bengaluru - 560 064 Karnataka	34.30	36
2089	Synthesis, characterization & testing of immune potential of nano-particles adjuvanted oral vaccine of Salmonella Typhimurium in poultry	DST-SYST	Singh,Y., Dr. (M) G.B. Pant University of Agriculture & Technology Department of Veterinary Physiology & Biochemistry, B-252 Avas Vikas Colony, Udham Singh Nagar, Kichha Pantnagar - 263 148 Uttarakhand	44.04	36
2090	Technology for 3D printing of bifunctional biomimetic bone scaffolds for tumor therapy & bone regeneration	DST-SYST	Bhuvana,K.P., Dr. (M) Sr. Technical Officer Central Institute of Plastics Engineering & Technology T.V.K. Industrial Estate, Guindy Chennai - 600 032 Tamil Nadu	30.91	36
2091	Ultrafine grain refinement through low plasticity burnishing on WAAM mgalloy for aerospace & automotive applications	DST-SYST	Balan,A.S.S., Dr. (M) Assistant Professor National Institute of Technology (Karnataka) Department of Mechanical Engineering, NH 66, Srinivas Nagar Surathkal - 575 025 Karnataka	16.09	36
2092	Value addition for nutrient bioactive compounds by layer deposition using 3D bio printing	DST-SYST	Eswaran,H., Dr. (M) Anna University Regional Campus Coimbatore - 641 046 Tamil Nadu	24.27	36
2093	Block chain enabled smart organ donation & transplant system in India	DST-TIASN	Manvi,S.K.S., Dr. (M) Professor & Director Reva University School of Computing & Information Technology Department, Kattegenhalli, Yelahanka Bengaluru - 560 064 Karnataka	55.95	36
2094	Promotion of enhanced sustainable livelihood opportunities through ecotourism, wildlife & cultural tourism for tribal youth of Kargil & Ladakh region of Jammu & Kashmir	DST-TIASN	Ahmad,K., Dr. (M) Sr. Assistant Professor/Scientist Sher-E-Kashmir University of Agriculture Sciences & Technology (Kashmir) Division of Wildlife Sciences, Faculty of Forestry Srinagar - 191 201 Jammu & Kashmir	67.07	36
2095	Scientific management of natural resources for sustainable development in UBA clusters of Shivalik region	DST-TIASN	Kumar,V., Prof. (M) Indian Institute of Technology (Delhi) Centre for Rural Development & Technology, Hauz Khas New Delhi - 110 016 Delhi	295.29	36
2096	Authentication of digitally scanned documents & images using watermarking technique	DST-WOS-A	Tiwari,A., Dr. (F) Indian Institute of Technology (Bhilai) Raipur - 492 015 Chhattisgarh	33.75	36
2097	Design & development of efficient compact dielectric resonator antenna for breast cancer detection	DST-WOS-A	Sharma,S.R., Ms. (F) A.D. Patel Institute of Technology New Vallabh Anand - 388 121 Gujarat	28.87	36

BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
2098	Multichannel low power incremental sigma delta ADC for IoT application	DST-WOS-A	Panigrahi,K., Ms. (F) National Institute of Science & Technology Berhampur - 761 008 Odisha	26.73	36
2099	Performance analysis of RF/microwave absorbing materials using agricultural waste by adding suitable additives	DST-WOS-A	Verma,G., Ms. (F) Defence Institute of Advanced Technology Pune - 411 025 Maharashtra	23.32	36
2100	Eco-friendly cost effective silk dyeing technology for rural women upliftment of Sirumugai weaving cluster	DST-WS	Devi,R.S., Ms. (F) Assistant Professor Kumaraguru College of Technology Chinnavedampatti, Saravanampatty Coimbatore - 641 049 Tamil Nadu	19.75	36
2101	Implementation of a machine learning technique for enhancing women safety at public women-only spaces	DST-WS	Senthilarasi, Ms. (F) Assistant Professor Dr. Mahalingam College of Engineering & Technology NPTC-MCET Campus, Udumalai Road Pollachi - 642 003 Tamil Nadu	14.37	36
2102	Modernization of weaving units for empowerment of economically weaker tribal women of Lakhipur, Assam	DST-WS	Basu,B., Dr. (F) National Institute of Technology (Silchar) REC Sub Post Office Silchar - 788 010 Assam	21.81	36
2103	Preventive women's safety App using location based alerting	DST-WS	Chitra, Dr. (F) HOD/EEE Aarupadai Veedu Institute of Technology Paiyanoor Chennai - 603 104 Tamil Nadu	13.23	36
2104	A numerical modeling based comprehensive framework for wetland management targeting improvement of environmental health	DST-WTI	Sen,D., Prof. (M) Indian Institute of Technology (Kharagpur) School of Water Resources Kharagpur - 721 302 West Bengal	58.97	36
2105	Advanced oxidation process for complete attenuation of pathogens & antimicrobial resistance in municipality supplied ground water	DST-WTI	Singh,G., Dr. (M) Assistant Professor Indian Institute of Technology (Roorkee ) Roorkee - 247 667 Uttarakhand	64.26	36
2106	An efficient aquifer storage method for enhanced recovery of recharged freshwater in saline regions	DST-WTI	Yadav,B.K., Dr. (M) Indian Institute of Technology (Roorkee ) Roorkee - 247 667 Uttarakhand	59.76	36
2107	An innovative spin to the existing water challenges: Wastewater to energy clean water & fertilizer through the integration of traditional biological & advanced bioelectrochemical approaches	DST-WTI	Patil,S.A., Dr. (M) Assistant Professor Indian Institute of Science Education & Research (Mohali) Department of Earth & Environmental Sciences & Resech, Knowledge City, Sector 81, S.A.S. Nagar Mohali - 140 306 Punjab	65.83	36
2108	Antimicrobial peptide graphene decorated anti-biofouling Reverse Osmosis RO membranes for desalination & water recycling	DST-WTI	Pratap,S., Dr. (M) Assistant Professor Indian Institute of Technology (Bombay) Department of Environmental Science & Engineering, Powai Mumbai - 400 076 Maharashtra	75.88	36
2109	Aquatic vulnerability of high volume chemicals including phthalates & other metabolites in Delhi-NCR investigating potential environmental threat in water sources	DST-WTI	Velpandian,T., Prof. (M) All India Institute of Medical Sciences Division of Ocular Pharmacology & amp; Pharmacy, Dr. R.P. Centre, Anssari Nagar New Delhi - 110 029 Delhi	59.67	36
2110	Assessment of Water Poverty Index (WPI) for safe & equitable	DST-WTI	Bora,P.K., Dr. (M) Assistant Professor College of Post Graduate Studies Barapani Umiam - 793 103 Meghalaya	51.45	36

BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
2111	Cavitation based advanced oxidation process for effective degradation of emerging organic micro-pollutants in water	DST-WTI	Moulik,S., Dr. (M) CSIR-Indian Institute of Chemical Technology Hyderabad - 500 007 Telangana	44.95	36
2112	Continuous flow electrode capacitive deionization to mitigate water-energy nexus trade-offs in desalination	DST-WTI	Tripathi,B.P., Dr. (M) Assistant Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	40.62	36
2113	Decision support system & software development for realtime water quantity & quality management of Tunga-Bhadra river system of tropical India	DST-WTI	Rehana,S., Dr. (F) Assistant Professor International Institute of Information Technology Hyderabad - 500 032 Telangana	110.64	36
2114	Demonstration of sustainable mitigation of groundwater arsenic in arsenic-polluted Gangetic river aquifers of Bihar, Uttar Pradesh & West Bengal, India	DST-WTI	Mukherjee,A., Dr. (M) Assistant Professor Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	248.48	36
2115	Demonstration of technology for treatment of rain harvested water lakes in Warangal, Telangana State	DST-WTI	Sonawane,S.H., Dr. (M) National Institute of Technology (Warangal) Warangal - 506 004 Telangana	44.42	36
2116	Design & development of sensor for detection of pharmaceutical compounds present in water & wastewater	DST-WTI	Neppolian,B., Prof. (M) Dean (Research) S.R.M. Institute of Sciences & Technology Kattankulathur - 603 203 Tamil Nadu	75.79	36
2117	Development & deployment of screen printed catalytic interfaced sensors for the detection of pesticides & PPCPs in water - IoT approach	DST-WTI	Balaguru,J.B., Dr. (M) Research Professor SASTRA University School of Electrical & Electronics Engineering, Centre for Nanotechnology & Advanced Biomaterials Thanjavur - 613 401 Tamil Nadu	60.70	36
2118	Development of a low cost technology based on biochar supported green zerovalent iron for arsenic & fluoride removal from water	DST-WTI	Jagadevan,S., Dr. (M) Assistant Professor Indian Institute of Technology (Dhanbad) Dhanbad - 826 004 Jharkhand	32.50	36
2119	Development of advanced automatic control based wastewater treatment process towards sustainable water-energy-food nexus	DST-WTI	Ambati,S.R., Dr. (M) Associate Professor National Institute of Technology (Warangal) Warangal - 506 004 Telangana	67.49	36
2120	Development of AI based DSS for improved crop water use efficiency under deficit drip irrigation regime simulating climate change	DST-WTI	Singhal,G.D., Dr. (M) Assistant Professor Shiv Nadar University Department of Civil Engineering, School of Engineering, NH 91, Dadri, Gautam Buddha Nagar Noida - 201 314 Uttar Pradesh	109.98	24
2121	Development of biosensor for bi-aromatic group pollutants & surveillance of water quality	DST-WTI	Anand,R., Dr. (F) Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	61.80	36
2122	Development of database standardization framework to facilitate decision making in water distribution system	DST-WTI	Sargaonkar,A., Dr. (M) Sr. Principal Scientist CSIR-National Environmental Engineering Research Institute Nagpur - 440 020 Maharashtra	50.83	36
2123	Development of electrochemical biosensors for detection of emerging pollutants in water	DST-WTI	Singh,J.K., Prof. (M) Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	69.92	36
2124	Development of hierarchical structures for solar desalination	DST-WTI	Kaviti,A.K., Dr. (M) Assistant Professor V.N.R. Vignana Jyothi Institute of Engineering & Technology Hyderabad - 500 090 Telangana	40.72	36

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
2125	Development of hydrodynamically optimum & smart sanitation equipment for minimization of water consumption	DST-WTI	Watvisave,D.S., Dr. (M) Assistant Professor MKSSS's Cummins College of Engineering for Women Karve Nagar Pune - 411 052 Maharashtra	30.24	36
2126	Development of macrocyclic ligands & dendrons conjugated silica-and-titania nanomaterials-based water purifiers for safe drinking water	DST-WTI	Alexander,V., Dr. (M) Professor Loyola College Chennai - 600 034 Tamil Nadu	65.90	36
2127	Development of nanocomposite fibres based filter cartridge for the efficient removal of bacterial load & heavy metals from water	DST-WTI	Ali,S.W., Dr. (M) Professor Indian Institute of Technology (Delhi) Haus Khas New Delhi - 110 016 Delhi	41.87	24
2128	Development of opt-electrochemical sensor for pesticide & Ion detection in drinking & irrigation water	DST-WTI	Kushwaha,H.S., Dr. (M) Assistant Professor Malaviya National Institute of Technology (Jaipur) Jaipur - 302 017 Rajasthan	50.44	36
2129	Development of portable, microfluidic NH <sub>4</sub> <sup>+</sup> -ion selective electrochemical sensor platform based on functional nano-TiN films for re-circulating aquaculture systems for sustainable environment	DST-WTI	Biji,P., Dr. (F) Associate Professor P.S.G. Institute of Advanced Studies Post Box No. 1611, Peelamedu Coimbatore - 641 004 Tamil Nadu	65.93	36
2130	Development of sustainable As & F containing groundwater treatment technology for rural people	DST-WTI	Mondal,P., Dr. (M) Associate Professor Indian Institute of Technology (Roorkee ) Department of Chemical Engineering Roorkee - 247 667 Uttarakhand	63.64	24
2131	Development of technologies for sustainable use of sodic groundwater enhancing agricultural livelihood	DST-WTI	Basak,N., Dr. (M) Scientist ICAR-Central Soil Salinity Research Institute Department of Soil Sciences Karnal - 132 001 Haryana	63.85	36
2132	Effective treatment of wastewater effluents by a fluidized bed membrane bioreactor with low membrane fouling	DST-WTI	Midda,M.O., Dr. (M) Assistant Professor Malaviya National Institute of Technology (Jaipur) Department of Chemical Engineering, JLN Marg Jaipur - 302 017 Rajasthan	39.64	36
2133	Electrochemical sensing of sulfamethoxazole antibiotic in water at GO/ZnO nanocomposites - modified electrodes: Optimization & real time measurement	DST-WTI	Kumar,P.S., Dr. (M) Assistant Professor Sri Sivasubramaniya Nadar College of Engineering SSN-Centre for Radiation, Environmental Science & Technology, Rajiv Gandhi Salai Kalavakkam - 603 110 Tamil Nadu	63.29	36
2134	Enhancing food & water security in degraded coastal soils through improved management of blue, green & gray water	DST-WTI	Mandal,U.K., Dr. (M) Principal Scientist ICAR-Central Soil Salinity Research Institute Regional Research Station, Canning Town 24 Parganas - 743 329 West Bengal	61.45	36
2135	Enzyme engineering for bio-degradation of plasticizers in PPCPs	DST-WTI	Kumar,P., Dr. (M) Professor Indian Institute of Technology (Roorkee ) Department of Biosciences & Bioengineering Roorkee - 247 667 Uttarakhand	43.24	36
2136	Fabrication-characterization & application of functionalized silica based magnetic nanocatalyst for the degradation of organic pollutants from waste water	DST-WTI	Sharma,R.K., Prof. (M) FRSC Coordinator Green Chemistry Network Centre Department of Chemistry, 109, Block B Delhi - 110 007 Delhi	61.55	36
2137	Fenton-process adapted for deactivation of antimicrobial resistant genes & antibiotic removal using passivation-by passed Fe-alloy, rate-controlled using photo-activity	DST-WTI	Singh,S., Dr. (F) Assistant Professor Anna University Chennai - 600 025 Tamil Nadu	54.18	36

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
2138	Fluoride removal from drinking water using synthetic hydroxyapatite	DST-WTI	Chaudhari,S., Dr. (M) Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	47.07	36
2139	Hydrothermal carbonization: A novel green methodology for hydrochar production, its application in the development of sustainable carbon materials & utilization in water treatment	DST-WTI	Suhas, Dr. (M) Assistant Professor Gurukula Kangri University Department of Chemistry Haridwar - 249 404 Uttarakhand	39.24	36
2140	In situ immobilization of dissolved metals arsenic & chromium by manipulating redox condition of the impacted aquifers by injecting suitable amendments	DST-WTI	Ramanathan,A.L., Prof. (M) Jawaharlal Nehru University New Delhi - 110 067 Delhi	69.78	36
2141	In situ phytoremediation of Chromium VI from polluted water sources for safe use of water for irrigation in Chromite mining areas at Sukinda, Odisha	DST-WTI	Das,M., Dr. (M) ICAR-Indian Institute of Water Management Chandrasekharpur Bhubaneswar - 751 023 Odisha	49.03	24
2142	In-situ remedation of arsenic by ferrous sulfide under heterogeneous porous media up-scaling effect & evaluation of long-term fate	DST-WTI	Trishikhi, Dr. (F) Assistant Professor Indian Institute of Technology (Patna) Department of Civil & Environmental Engineering, Bihta Patna - 801 103 Bihar	47.63	36
2143	Integrated farming of lates calcarifer & macrobrachium rosenbergii in aquaponic system: A sustainable water utilization approach	DST-WTI	Chakrabarti,R., Dr. (M) Professor Delhi University Department of Zoology, Aqua Research Lab. Delhi - 110 007 Delhi	76.30	36
2144	Integrated photocatalytic & membrane bioreactor process for effective removal of emerging contaminants & disinfection	DST-WTI	Shriwastav,A., Dr. (M) Assistant Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	72.32	36
2145	Lab to field demonstration of the domestic electricity free filter device for fluoride free drinking water	DST-WTI	Singh,A., Dr. (F) Principal Scientist CSIR-Advanced Materials & Processes Research Institute Hoshangabad Road Bhopal - 462 026 Madhya Pradesh	67.75	36
2146	Laser biospeckle techniques for optimum utilization of irrigation water by monitoring in-situ plant water stress	DST-WTI	Nirala,A.K., Prof. (M) Indian Institute of Technology (Dhanbad) Department of Physics Dhanbad - 826 004 Jharkhand	38.38	36
2147	Microalgae-mediated wastewater reclamation with bio-oil & biogas production: A sustainable approach	DST-WTI	Lamba,B.Y., Dr. (F) Professor University of Petroleum & Energy Studies Dehradun - 248 001 Uttarakhand	73.01	36
2148	Mobile STP for drinking water	DST-WTI	Pullela,P.K., Dr. (M) Professor C.M.R. Institute of Technology 132, AECS Layout ITPL Main Road, Kundalahalli Bengaluru - 560 037 Karnataka	46.04	36
2149	Monitoring of heavy metals-arsenic interrelation with physico-chemical attributes of Serlui river in Mizoram, NE India, impounded with hydro-power project/agriculture land	DST-WTI	Rai,P.K., Dr. (M) Assistant Professor Mizoram University Aizawal - 796 004 Mizoram	70.23	36

BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
2150	Nano zerovalent iron-graphene oxide composite for enhanced biodegradation of wastewater. A novel strategy for boosting biogas production	DST-WTI	Kumar,A., Dr. (M) Assistant Professor National Institute of Technology (Rourkela) Rourkela - 769 008 Odisha	22.68	36
2151	Pharmaceutical & Personal Care Products (PPCPs) in sewage water of district Bathinda, its transport in environment & compartment & adsorptive removal using metal	DST-WTI	Meenu, Dr. (F) Assistant Professor Maharaja Ranjit Singh Punjab Technical University Bhatinda - 151 001 Punjab	50.03	36
2152	Photovoltaic assisted water harvesting from moisture using biomimetic surface	DST-WTI	Chatterjee,S., Dr. (M) Associate Professor Indian Institute of Technology (Bhubaneswar) Bhubaneswar - 752 050 Odisha	41.95	36
2153	Piezocatalytic nanocomposite-based water purification	DST-WTI	Jana,N.R., Dr. (M) Professor Indian Association for the Cultivation of Science Kolkata - 700 032 West Bengal	52.18	36
2154	Pilot scale demonstration & popularisation of some sustainable technology for the supply of safe water in fluoride & arsenic affected areas	DST-WTI	Lochan,R., Dr. (M) Assistant Professor CSIR-North East Institute of Science & Technology Jorhat - 785 006 Assam	107.05	36
2155	Prototype development of a user friendly hand held device for on the spot detection of microbial load & heavy metals in water & conduction of pilot study for commercialization of device	DST-WTI	Suman, Prof. (M) Member Secretary Amity University Amity Institute of Advanced Research & Studies, Amity Institute of Renewable & Alternate Energy, Sector 125 Noida - 201 301 Uttar Pradesh	67.55	24
2156	Psychrometry driven design & fabrication of an all-season optimal atmospheric water harvester	DST-WTI	Raj,R., Dr. (M) Assistant Professor Indian Institute of Technology (Patna) Bihta Patna - 801 103 Bihar	32.40	36
2157	Qualitative estimation of subsurface water flow & identification of contaminant mobilization in mining areas using nanomaterials as tracers	DST-WTI	Nayek,S., Dr. (M) Assistant Professor Amity University Kolkata - 700 135 West Bengal	45.14	36
2158	Recovery of yttrium from spent process water after uranium extraction using surface modified magnetic core-shell zirconium oxide nanoparticles	DST-WTI	Selvakumar,R., Dr. (M) Assistant Professor P.S.G. Institute of Advanced Studies Avinashi Road, Peelamedu Coimbatore - 641 004 Tamil Nadu	60.34	36
2159	Removing contaminants from drinking water using rational design of transition metal catalysts	DST-WTI	Haider,M.A., Prof. (M) Assistant Professor Indian Institute of Technology (Delhi) Department of Chemical Engineering, Hauz Khas New Delhi - 110 016 Delhi	55.43	36
2160	Smart device for production of ultra-pure & haemodialysis grade water	DST-WTI	Sridhar,S., Dr. (M) Sr. Principal Scientist CSIR-Indian Institute of Chemical Technology Uppal Road, Tarnaka Hyderabad - 500 007 Telangana	58.75	24
2161	Study on the occurrence, impact on biotic communities & development of integrated technologies for remediation of the emerging pollutant Triclosan	DST-WTI	Kumar,K., Dr. (M) Scientist ICAR-Central Institute for Fisheries Education Division of Aquatic Environment & Animal Health Management, Panch Marg, Versova Mumbai - 400 061 Maharashtra	64.23	36
2162	Synthesis of magnetic catalyst coated microbubbles for removal of trace pollutants	DST-WTI	Khuntia,S., Dr. (F) Professor Ahmedabad University Commerce Six Roads, Navarangpura Ahmedabad - 382 009 Gujarat	69.99	36

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
2163	Transport, fate & management of emerging contaminants & endocrine disruptors in selected vulnerable mangrove swamps in India	DST-WTI	Naoghare,P.K., Dr. (M) Assistant Professor CSIR-National Environmental Engineering Research Institute CSIR Lab, Nehru Marg Nagpur - 440 020 Maharashtra	55.62	36
2164	Water desalination with simultaneous electricity generation by harnessing the energy of neutralization	DST-WTI	Musthafa,M., Dr. (M) Assistant Professor Indian Institute of Science Education & Research (Pune) Dr. Homi Bhabha Road, Pashan Pune - 411 008 Maharashtra	50.67	36
2165	Water Energy Food Nexus (WEFN) through solar-green house based hydroponic solutions with android mobile application of vegetable market for rural farmers & urban users	DST-WTI	Tripathi,S.B., Dr. (M) Assistant Professor TERI University Plot No. 10, Institutional Area, Vasant Kunj New Delhi - 110 070 Delhi	302.42	24
2166	Water filtration, advanced-oxidation & capacitive-deionisation treatments for removal of emerging contaminants in water	DST-WTI	Prakash,H., Prof. (M) Assistant Professor Birla Institute of Technology & Science (Pilani ) K.K. Birla Goa Campus Dona Paula - 403 726 Goa	105.23	24
2167	Wazirabad blue-green infrastructure - an innovative environmental network for urban risk reduction in Gurugram, NCR	DST-WTI	Mukherjee,M., Prof. (F) Head Indian Institute of Technology (Roorkee ) Roorkee - 247 667 Uttarakhand	69.75	36
2168	A Membrane-based Water Recycling System (MWRS) for space exploration	ISRO-RESPOND	Singh,S.P., Prof. (M) Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	46.94	36
2169	A PDSOI (Partially Depleted Silicon - On Insulator) analogy cell library consisting 2 stage OPAMPs & comparators designed considering Floating Body (FB) & Self Heating (SH) effects	ISRO-RESPOND	Bulusu,A., Prof. (M) Indian Institute of Technology (Roorkee ) Roorkee - 247 667 Uttarakhand	14.24	24
2170	Acoustic emission characterization of friction stir welded joints in aluminium alloy AA2219 used for aerospace applications	ISRO-RESPOND	Bhatt,M.R., Dr. (M) AE Indian Institute of Science Bengaluru - 560 012 Karnataka	14.51	24
2171	Affordable submillimeter/THz components using 3D printed dielectric integrated guides	ISRO-RESPOND	Pathak,N.P., Prof. (M) Indian Institute of Technology (Roorkee ) Roorkee - 247 667 Uttarakhand	31.30	36
2172	Biomechanical aspects of plant & root growth in microgravity environments	ISRO-RESPOND	Gupta,A., Prof. (M) Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	14.22	24
2173	Brazing of ultra high temperature HfB2-ZrB2 based ceramics	ISRO-RESPOND	Balani,K., Dr. (M) Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	29.70	24
2174	CFD based design, development & demonstration of a micro-channel reactor for Sabatier reaction methane synthesis from carbon dioxide	ISRO-RESPOND	Chandy,A.J., Dr. (M) Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	44.34	24
2175	Characterization, vaporization & combustion dynamics of gel-fuel & gel-nano-fuel droplets	ISRO-RESPOND	Dhar,P., Dr. (M) Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	39.59	24

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
2176	Conformal, transparent & lightweight microwave absorbers for ground & space applications	ISRO-RESPOND	Srivastav,K.V., Prof. (M) Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	24.56	24
2177	Deep learning for earth observation data processing: Towards crop management in the Cauvery delta region	ISRO-RESPOND	Sudha, Dr. (F) Professor SASTRA University Tirumalaisamudram Thanjavur - 613 401 Tamil Nadu	21.13	24
2178	Deployment mechanisms for 12m diameter spacecraft antennas	ISRO-RESPOND	Upadhyay,S.H., Prof. (M) Indian Institute of Technology (Roorkee ) Roorkee - 247 667 Uttarakhand	43.97	36
2179	Design & development of fibre optic narrow band pass filter at infrared wave length	ISRO-RESPOND	Sivabalan, Dr. (M) Assistant Professor Vellore Institute of Technology University Department of Electrical Engineering Vellore - 632 104 Tamil Nadu	28.23	36
2180	Design & fabrication of MEMs structure for vibration sensing & energy harvesting	ISRO-RESPOND	Manhas,S., Prof. (M) Indian Institute of Technology (Roorkee ) Roorkee - 247 667 Uttarakhand	27.70	24
2181	Design & implementation of an efficient power management IC in sub-micron technology for space application	ISRO-RESPOND	Mandal,P., Dr. (M) Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	31.02	24
2182	Design of high performance piezoceramics using relaxor ferroelectrics	ISRO-RESPOND	Rajan,R., Prof. (M) ME Indian Institute of Science Bengaluru - 560 012 Karnataka	16.23	24
2183	Development & testing of NavI/Csuit: Processing software tool for NavIC receiver	ISRO-RESPOND	Gajjar,S., Dr. (M) Associate Professor Nirma University Department of Electronics & Communication, Institute of Technology Ahmedabad - 382 481 Gujarat	20.02	24
2184	Development of 1.8/5V/10V/20V I/O pads in SCL's 0.18µm CMOS process	ISRO-RESPOND	Dasgupta,S., Prof. (M) Indian Institute of Technology (Roorkee ) Roorkee - 247 667 Uttarakhand	23.38	24
2185	Development of a coupled machine learning based approach for origami inspired deployable multi-functional metamaterials	ISRO-RESPOND	Mukhopadhyay,T., Prof. (M) Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	22.07	24
2186	Development of cast components in high entropy alloys	ISRO-RESPOND	Mula,S., Prof. (M) Indian Institute of Technology (Roorkee ) Roorkee - 247 667 Uttarakhand	31.07	36
2187	Development of evaluation of multiscale CNT/polymer composites	ISRO-RESPOND	Basu,S., Dr. (M) Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	25.92	24
2188	Development of graphene-CNT-BN based hybrid polymer composites as efficient thermal interface materials	ISRO-RESPOND	Vishnubhotla,P., Dr. (M) PHY Indian Institute of Science Bengaluru - 560 012 Karnataka	20.78	24
2189	Development of nano-polishing technology for nickel plated & CVD-SiC hybrid mirrors	ISRO-RESPOND	Muljibhai,A., Prof. (M) Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	33.60	30
2190	Development of Oxide Dispersion Strengthened (OSD) nickel based super alloys by powder forging	ISRO-RESPOND	Dabhade,V., Prof. (M) Indian Institute of Technology (Roorkee ) Roorkee - 247 667 Uttarakhand	26.90	36



## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
2191	Development of product based on high entropy alloys for space technology applications	ISRO-RESPOND	Biswas,K., Prof. (M) Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	12.72	24
2192	Development of reconfigurable flat-panel metasurface antenna-phase 1	ISRO-RESPOND	Gupta,D., Prof. (M) Indian Institute of Technology (Kanpur) Department of Material Science & Engineering Kanpur - 208 016 Uttar Pradesh	36.00	24
2193	Development of SDSS tools for addressing emergency/disaster management	ISRO-RESPOND	Sen,G., Dr. (M) Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	21.68	24
2194	Development of solid electrolyte for sodium-sulfur battery	ISRO-RESPOND	Omar,S., Mr. (M) Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	28.32	24
2195	Development of solid propellant based low temperature gas generator for inflatable aerodynamic decelerator	ISRO-RESPOND	Ramakrishna,P.A., Dr. (M) Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	18.18	24
2196	Development of technology for forming tailor welded blanks of C103 sheets	ISRO-RESPOND	Panda,S.K., Prof. (M) Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	34.94	36
2197	Development of ZrB <sub>2</sub> -SiC-HfC & ZrC-SiC-HfC superstrong materials by thermal plasma process for temperatures exceeding 2000°C	ISRO-RESPOND	Jayashankar, Dr. (M) Principal Scientist CSIR-National Institute for Interdisciplinary Science & Technology Thiruvananthapuram - 695 019 Kerala	17.78	12
2198	Direct ink 3D printing of SiC ceramic nanoparticles on complex space components	ISRO-RESPOND	Tiwary,C.S., Prof. (M) Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	29.94	24
2199	Distributed spacecraft formation flight using limited information exchange	ISRO-RESPOND	Mukherjee,D., Prof. (M) Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	46.71	36
2200	Dynamic modelling & simulations of human body subjected to mechanical loads during spaceflight & operations in space	ISRO-RESPOND	Ganpule,S., Prof. (M) Indian Institute of Technology (Roorkee ) Roorkee - 247 667 Uttarakhand	21.04	24
2201	Effect of lensing phenomenon on doped fiber for high power lasers	ISRO-RESPOND	Goswami,D., Prof. (M) Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	26.89	24
2202	Effect of processing parameters on cryo impact properties of cast alloys	ISRO-RESPOND	Sahoo,B.K., Mr. (M) Scientist CSIR-National Metallurgical Laboratory Jamshedpur - 831 007 Jharkhand	30.12	24
2203	Estimation of the thermal contact conductance of realistic spacecraft bolted joints	ISRO-RESPOND	Chanda,S., Dr. (M) Assistant Professor Indian Institute of Technology (Palakkad) Department of Mechanical Engineering, Ahila Integrated Campus, District Palakkad Kozhippara - 678 557 Kerala	30.44	24
2204	Estimation of vulnerable soil-carbon & hotspots of carbon-efflux across different land-use in India: Development of soil respiration model using satellite Remote Sensing & in situ measurements	ISRO-RESPOND	Bagchi,S., Dr. (M) CES Indian Institute of Science Bengaluru - 560 012 Karnataka	16.77	36

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
2205	Experimental & numerical investigation of aerospike nozzles for effective propulsion systems	ISRO-RESPOND	Kumar,R., Prof. (M) Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	23.00	24
2206	Experimental identification of laminar to turbulent transition & separation locations using in-house made temperature sensitive paint in wings & launch vehicles	ISRO-RESPOND	Mariappan,S., Prof. (M) Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	24.23	24
2207	Experimental investigation of leading edge bluntness on heat transfer rate & flow unsteadiness in shock-induced boundary layer separation in a scramjet intake	ISRO-RESPOND	Ibrahim,M., Prof. (M) Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	27.84	24
2208	Experimental investigation of supercritical injection & mixing of propellants at liquid rocket engine relevant conditions	ISRO-RESPOND	Panda,P.P., Dr. (M) AE Indian Institute of Science Bengaluru - 560 012 Karnataka	22.32	24
2209	Fast equalization of batter stack by soft-switched multi-cell to multi-cell balancing	ISRO-RESPOND	John,V., Prof. (M) EE Indian Institute of Science Bengaluru - 560 012 Karnataka	15.52	24
2210	Feasibility studies & preliminary aerodynamic design of autorotation based venus descent system	ISRO-RESPOND	Mohan,R., Dr. (M) ASE Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	6.30	12
2211	Film cooling for ejector diffuser system in high altitude testing facility	ISRO-RESPOND	Kumar,A., Dr. (M) Assistant Professor Indian Institute of Technology (Jodhpur) NH65, Surpura Bypass Road, Karwar Jodhpur - 342 037 Rajasthan	27.34	24
2212	Forward Error Control (FEC) schemes for high data rate optical communications	ISRO-RESPOND	Banerjee,A., Prof. (M) Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	22.92	24
2213	Fracture & fatigue studies in textile based auxetic composite	ISRO-RESPOND	Chakrabarti,A., Prof. (M) Indian Institute of Technology (Roorkee ) Roorkee - 247 667 Uttarakhand	27.00	24
2214	Heteroatoms enriched nonporous materials for high performance super capacitor applications in non-aqueous medium	ISRO-RESPOND	Mohanty,P., Prof. (M) Indian Institute of Technology (Roorkee ) Roorkee - 247 667 Uttarakhand	27.78	36
2215	High efficiency solar cells characterization using intensity modulated impedance spectroscopy analysis for space application	ISRO-RESPOND	Satapathi,S., Prof. (M) Indian Institute of Technology (Roorkee ) Roorkee - 247 667 Uttarakhand	20.06	24
2216	High precision satellite image denoising in hardware	ISRO-RESPOND	Rathna,G.N., Dr. (F) EE Indian Institute of Science Bengaluru - 560 012 Karnataka	19.11	24
2217	Hydrogen storage & delivery system based on inexpensive industrially scalable hybrids	ISRO-RESPOND	Subramaniam,A., Prof. (M) Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	23.00	24
2218	Ignition modelling of semi cryogenic engine	ISRO-RESPOND	Kumar,S., Prof. (M) Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	15.44	18

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
2219	Investigation of active aeroelastic wing for unmanned aerial vehicle	ISRO-RESPOND	Pariyasamy, Dr. (M) Assistant Professor Government College of Technology Department of Mechanical Engineering Coimbatore - 641 103 Tamil Nadu	15.43	24
2220	Investigation of combustion characteristics of carbon coated aluminium nanoparticles	ISRO-RESPOND	Arghode,V., Prof. (M) Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	24.96	36
2221	Investigation of near & far field acoustics due to the jet impingement on the flame deflector during rocket lift-off	ISRO-RESPOND	De,A., Prof. (M) Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	20.40	24
2222	Investigation of optical properties of metallic thin films mirrors by low energy plasma (ion) irradiation for space applications	ISRO-RESPOND	Bhattacharjee,S., Prof. (M) Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	20.00	24
2223	Mechanical & microstructure characterization under biaxial loading of aerospace materials & their weldments (AA2219/M250) for pressure vessel application	ISRO-RESPOND	Mishra,S.K., Prof. (M) Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	36.03	36
2224	Micro aircraft for Mars-2 development of Unmanned Aerial Vehicle (UAV) which can fly using solar power	ISRO-RESPOND	Pant,R.S., Prof. (M) Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	30.90	24
2225	Nano-scale sensors for wall-shear-stress measurements through induced heat transfer in hypersonic flows	ISRO-RESPOND	Subrahmanyam,D., Dr. (F) AE Indian Institute of Science Bengaluru - 560 012 Karnataka	18.53	24
2226	Novel deep learning techniques based multi-modal fusion for Remote Sensing image classification & retrieval	ISRO-RESPOND	Banerjee,B., Prof. (M) Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	41.93	36
2227	Novel processing to enhance ductility of cast AZ91 Mg alloy	ISRO-RESPOND	Pancholi,V., Prof. (M) Indian Institute of Technology (Roorkee ) Roorkee - 247 667 Uttarakhand	25.58	36
2228	Numerical & experimental investigation of PEMFC considering hydrogen crossover & analysis of degradation mechanisms	ISRO-RESPOND	Ramadesigan,V., Prof. (M) Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	29.98	36
2229	Numerical investigation of the effect of fuel injection scheme on the performance of SCRAM jet combustor	ISRO-RESPOND	Prakash,A., Dr. (M) Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	30.16	36
2230	Optimization of the production & separation of dimethyl ether for its use as green propellant	ISRO-RESPOND	Himabindu,M., Dr. (F) SSO Indian Institute of Science Bengaluru - 560 012 Karnataka	17.33	24
2231	Phase-field modelling of microstructure evolution in Ti-6 Al-4V alloy during annealing	ISRO-RESPOND	Mukherjee,R., Mr. (M) Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	24.60	24
2232	Photosynthetic stress detection through phase-stabilized fourier transform spectrometers with single cell detection sensitivity	ISRO-RESPOND	Tiwari,V., Dr. (M) SSCU Indian Institute of Science Bengaluru - 560 012 Karnataka	12.94	24

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
2233	Quality assessment of pansharpended images	ISRO-RESPOND	Soundararajan,R., Dr. (M) ECE Indian Institute of Science Bengaluru - 560 012 Karnataka	14.46	24
2234	Quantum resistant cryptographic protocols for cloud computing	ISRO-RESPOND	Dutta,R., Prof. (F) Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	23.76	24
2235	RF system-on-chip solution of tri-band-for the IRNSS using CMOS/BICMOS process	ISRO-RESPOND	Bhatt,D., Prof. (M) Indian Institute of Technology (Roorkee ) Roorkee - 247 667 Uttarakhand	25.90	24
2236	RTE-optical-tomography based mixed-phase cloud parameter retrieval	ISRO-RESPOND	Naik,N., Prof. (M) Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	12.36	24
2237	Satellite based study of shoreline response to the coastal structures along Chennai-Krishnapatnam coast	ISRO-RESPOND	Manoharan,N., Dr. (M) Pro Vice Chancellor Academy of Maritime Education & Training No. 135, East Coast Road, Kanathur Chennai - 603 112 Tamil Nadu	28.42	36
2238	SPIRIIT: A post-processing system for NavIC signals for high-precision applications	ISRO-RESPOND	Goel,S., Prof. (M) Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	24.93	36
2239	Superresolution of hyperspectral Remote Sensing images	ISRO-RESPOND	Chaudhury,K.N., Dr. (M) EE Indian Institute of Science Bengaluru - 560 012 Karnataka	15.03	24
2240	Synthesis & characterization Al-B & Al-B4C alloys as fuel in solid propellant	ISRO-RESPOND	Singh,S.S., Dr. (M) Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	20.00	36
2241	Synthesis of pure LaB6 via solid state metallothermic reduction (Ca/Mg/Al+B2O3+La2O3/LaCl3) & subsequent making of hollow tube of LaB6	ISRO-RESPOND	Mondal,K., Prof. (M) Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	21.00	24
2242	Tetrazole-based metal-organic hybrid & covalent assemblies as CO2 absorbents	ISRO-RESPOND	Mukherjee,P.S., Prof. (M) IPC Indian Institute of Science Bengaluru - 560 012 Karnataka	11.73	24
2243	Centre for Programmable Photonic Integrated Circuits & Systems (CPPICS)	MEITY-R&D	Das,B.K., Prof. (M) Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	2990.80	60
2244	Centre of Excellence on Additive Manufacturing (CoEAM)	MEITY-R&D	Rane,S., Dr. (M) Scientist Centre for Materials for Electronics Technology (C-MET) Panchwati, Pashan Pune - 411 008 Maharashtra	2419.55	36
2245	CW/modulated Thulium Fiber Laser (TFL) system for soft tissue vaporization/ablation	MEITY-R&D	Pal,A., Dr. (F) CSIR-Central Glass & Ceramic Research Institute Kolkata - 700 032 West Bengal	452.90	30
2246	Development of DLMS/COSEM testing to for smart energy meter by CPRI & CDAC-T	MEITY-R&D	Bharathi,V., Mrs. (F) Central Power Research Institute Sector 62, Institutional Area Noida - 201 309 Uttar Pradesh	99.27	24
2247	Early detection of pest on tea plantation through multispectral imaging from unmanned aerial vehicle	MEITY-R&D	Bhattacharya,N., Prof. (F) Tezpur University Tezpur - 784 028 Assam	195.12	36

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
2248	Establishment of Centre of Excellence (CoE) for products based on Li-ion cells (Post-Cell)	MEITY-R&D	Prasad,S., Dr. (F) Centre for Development of Advanced Computing (C-DAC) C 56/1, Anusandhan Bhawan, Institutional Area, Sector 62 Noida - 201 307 Uttar Pradesh	1675.89	36
2249	M. Des program/executive development program in electronics product design implemented by IIT Guwahati	MEITY-R&D	Kumar,D.U., Prof. (M) Head Indian Institute of Technology (Guwahati) Department of Design Guwahati - 781 039 Assam	1802.11	60
2250	Meta-materials based compact broadband tunable modulator for Terahertz Photonics	MEITY-R&D	Kumar,G., Dr. (M) Professor Indian Institute of Technology (Guwahati) Guwahati - 781 039 Assam	73.40	36
2251	Skills development training program for schedule caste students on E-Waste recycling technologies & testing of Restricted Hazardous Substances (RoHS)	MEITY-R&D	Rambabu,U., Dr. (M) Scientist Centre for Materials for Electronics Technology (C-MET) Hyderabad - 500 051 Telangana	108.14	36
2252	Special Manpower Development Programme (SMDP): M.Tech. in electronic product design & skill development, IISc, Bangalore	MEITY-R&D	Umanand,L., Prof. (M) Chairman Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	1953.44	60
2253	Swadeshi microprocessor challenge-innovate solutions for #Atma Nirbhar Bharat, Maker village, Cochin	MEITY-R&D	Mohammed,N., Mr. (M) CEO Maker Village KTIZ, Kinfra Hi Tech Park, Kalamassery Kochi - 683 503 Kerala	500.00	17
2254	Designing & tailoring of hierarchical Graphene-carbon nanotubes & activated carbon for high performance	MOP-RSOP	Mahanandia,P., Dr. (M) Associate Professor National Institute of Technology (Rourkela) Department of Physics & Astronomy, Sundargarh Rourkela - 769 008 Odisha	54.38	24
2255	High-Flux Solar Simulator (HFSS) for high-temperature solar thermal research	MOP-RSOP	Arghode,V., Dr. (M) Assistant Professor Indian Institute of Technology (Kanpur) Department of Aerospace Engineering Kanpur - 208 016 Uttar Pradesh	60.00	24
Total Cost of 1089 Projects Under: <b>Engineering and Technology</b>				68,467.19	

BROAD SUBJECT AREA : MATHEMATICS

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
2256	A study on generalized cayley graph of rings	CSIR-ES	Thirugnanam,T.C., Dr. (M) Manonmaniam Sundaranar University Department of Mathematics Tirunelveli - 627 012 Tamil Nadu	10.20	36
2257	A study of generalized derivations & related mapping on rings & Algebras	CSIR-GS	Rehman,N.V.R., Dr. (M) Aligarh Muslim University Department of Mathematics Aligarh - 202 001 Uttar Pradesh	4.00	36
2258	Algorithmic aspects of vertex-edge domination & its variation	CSIR-GS	Paul,S., Dr. (M) Indian Institute of Technology (Patna) Department of Mathematics Nawada - 801 106 Bihar	4.00	36
2259	Joint modelling of longitudinal & time-to-event data with multiple imputation	CSIR-GS	Vishwakarma,G.K., Prof. (M) Indian Institute of Technology (Dhanbad) Department of Mathematics & Computing Dhanbad - 828 004 Jharkhand	4.00	36
2260	Numerical & theoretical analysis of micro-particles self-propulsion in electrolyte of gel medium	CSIR-GS	Bhattacharyya,S., Prof. (M) Indian Institute of Technology (Kharagpur) Department of Mathematics Kharagpur - 721 302 West Bengal	4.00	36
2261	Role & interactions of biological markers in causation of Type 1/Type2 lepra reactions: A in vivo Mathematical modelling with clinical valudation	CSIR-GS	Dasu,K.K.V., Dr. (M) Sri Sathya Sai Institute of Higher Learning Department of Mathematics & Computer Science Anantapur - 515 134 Andhra Pradesh	4.00	36
2262	Sparse approximations with prior support constraint & application to interior tomography	CSIR-GS	Sastry,C.S., Dr. (F) Indian Institute of Technology (Hyderabad) Department of Mathematics Sangareddy - 502 285 Telangana	4.00	36
2263	Surface wave propagation in presence of obstacles	CSIR-GS	Gayen,R., Dr. (F) Indian Institute of Technology (Kharagpur) Department of Mathematics Kharagpur - 721 302 West Bengal	4.00	36
2264	The development of nanoparametric control charts based on sequential sampling	CSIR-GS	Mahadik,S.B., Prof. (M) Shivaji University Department of Statistics Kolhapur - 416 004 Maharashtra	3.25	36
2265	To investigate approximate controllability results of implusive differential systems	CSIR-GS	Dabas,J., Dr. (M) Indian Institute of Technology (Roorkee ) Department of Applied Science & Engineering Roorkee - 247 667 Uttarakhand	4.00	36
2266	Torus Geometric invariant theory quotient of grassmannians	CSIR-GS	Pattanayak,S.K., Dr. (M) Indian Institute of Technology (Kanpur) Department of Mathematics & Statistics Kanpur - 208 016 Uttar Pradesh	4.00	36
2267	Various coloring parameters of distance graphs & motzkin's maximal density of sets	CSIR-GS	Pandey,R.K., Dr. (M) Indian Institute of Technology (Roorkee ) Department of Mathematics Roorkee - 247 667 Uttarakhand	2.14	36
2268	Security analysis & development of multivariate post-quantum cryptography schemes	DRDO-ER & IPR	Debnath,S.K., Dr. (M) Assistant Professor National Institute of Technology (Jamshedpur) Department of Mathematics Jamshedpur - 831 014 Jharkhand	39.73	24

BROAD SUBJECT AREA : MATHEMATICS

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
2269	Braille slate for Maths learning	DSIR-PRISM	Garg,A.K., Mr. (M) 704, Mahagun Morpheus, E-4, Sector 50 Noida - 201 301 Uttar Pradesh	9.00	14
2270	Applied statistical problems for dependent incomplete multi-dimensional data	DST-IBC	Basu,A., Prof. (M) Indian Statistical Institute Kolkata - 700 108 West Bengal	15.86	36
2271	Hardness in QBF proof complexity	DST-IBC	Mahajan,M., Dr. (F) Institute of Mathematical Sciences Chennai - 600 113 Tamil Nadu	10.05	36
2272	Lie symmetry analysis, simulation & lyapunov stability analysis of the hyperbolic systems	DST-IBC	Kumar,V., Dr. (M) D.A.V. University Kaithal - 132 026 Haryana	9.77	36
2273	Mathematical modeling for advanced wave analysis & engineering applications	DST-IBC	Kumar,S., Prof. (M) Panjab University Department of Mathematics Chandigarh - 160 014 Chandigarh	5.33	36
2274	Minimal left-right symmetric model as an effective field theory	DST-IBC	Chakraborty,J., Dr. (M) Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	6.64	36
2275	Research & development of stream encryption algorithm	DST-IBC	Nandi,M., Dr. (M) Professor Indian Statistical Institute Kolkata - 700 108 West Bengal	15.22	36
2276	A study of existence questions to elliptic partial differential equations with gradient nonlinearities	DST-SERB-CRG	Dwivedi,G., Dr. (M) Assistant Professor Birla Institute of Technology & Science (Pilani ) Vidya Vihar Pilani - 333 031 Rajasthan	18.63	36
2277	A system of multi-species diffusion-reaction equations in a heterogeneous medium: Analysis, homogenization & optimal control approach	DST-SERB-CRG	Mahato,H.S., Dr. (M) Assistant Professor Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	26.26	36
2278	An enquiry into the problems in Geometric function theory	DST-SERB-CRG	Allu,V.R., Dr. (M) Associate Professor Indian Institute of Technology (Allahabad) Arugul, Jatni Bhubaneswar - 752 050 Odisha	18.45	36
2279	Asymptotics of solutions of linear & non-linear delay differential equations	DST-SERB-CRG	Srivastava,S., Prof. (F) Associate Professor Delhi University New Delhi - 110 021 Delhi	31.78	36
2280	Comparative study of the spatio-temporal variability on the dynamics of explosive food chain models: Mutualistic preys with restricted growth rates & sexually reproductive generalist predator interaction as case study	DST-SERB-CRG	Jana,D., Dr. (M) Assistant Professor S.R.M. Institute of Sciences & Technology Department of Research, S.R.M. Nagar Kattankulathur - 603 203 Tamil Nadu	19.33	36
2281	Computational study of miscible chemo-hydrodynamic instability in a channel & porous medium	DST-SERB-CRG	Mishra,M., Dr. (M) Associate Professor Indian Institute of Technology (Ropar) Nangal Road, Hussainpur Rupnagar - 140 001 Punjab	16.16	36
2282	Construction & analysis of locally recoverable codes	DST-SERB-CRG	Maheshanand, Dr. (M) Associate Professor Indian Institute of Technology (Roorkee ) Roorkee-Haridwar Highway Roorkee - 247 667 Uttarakhand	5.06	36

BROAD SUBJECT AREA : MATHEMATICS

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
2283	Dely differential equation models in population dynamics: Theory, methods & computations	DST-SERB-CRG	Ghosh,B., Dr. (M) Assistant Professor Indian Institute of Technology (Indore) Khandwa Road, Simrol Indore - 453 552 Madhya Pradesh	28.85	36
2284	Determination of special purpose sampling plans based on the Taguchi process capability index	DST-SERB-CRG	Saminathan,B., Dr. (M) Professor Kalasalingam Academy of Research & Education Kalasalingam University, Anand Nagar, Krishnan Kovil, Srivilliputtur Virudhunagar - 626 128 Tamil Nadu	18.06	36
2285	Development of encryption & secret sharing schemes for quantum images	DST-SERB-CRG	Kumar,S., Dr. (M) Associate Professor Indian Institute of Technology (Roorkee ) Roorkee-Haridwar Highway Roorkee - 247 667 Uttarakhand	20.54	36
2286	Disturbance rejection & tracking control design for periodic piecewise time-varying systems	DST-SERB-CRG	Rathinasamy,S., Prof. (M) Bharathiar University Maruthamalai Road Coimbatore - 641 046 Tamil Nadu	20.30	36
2287	Dynamical sampling & representation of frames via iterated operator systems	DST-SERB-CRG	Sahu,N.K., Dr. (M) Assistant Professor Dhirubhai Ambani Institute of Information Communication Technology Post Box No 4 Gandhinagar - 382 007 Gujarat	16.16	36
2288	Existence & multiplicity of solutions for a class of nonlinear elliptic Pdes with combined nonlinearities	DST-SERB-CRG	Kar,R., Dr. (F) Assistant Professor National Institute of Technology (Rourkela) Sector 1 Rourkela - 769 008 Odisha	19.36	36
2289	Graph theoretic & spectral characterization of power graphs of finite groups	DST-SERB-CRG	Mehatari,R., Dr. (M) Assistant Professor National Institute of Technology (Rourkela) Sector 1 Rourkela - 769 008 Odisha	20.74	36
2290	Investigations on multivariate constrained approximation with fractal functions & its application in Geometric modelling	DST-SERB-CRG	Puthanveedu,V., Dr. (M) Assistant Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	21.49	36
2291	Number-theoretic analysis of certain transformations & an extension of the Ramanujan Master theorem	DST-SERB-CRG	Dixit,A.A., Dr. (M) Assistant Professor Indian Institute of Technology (Gandhinagar) Palaj Gandhinagar - 382 355 Gujarat	26.26	36
2292	Overdetermined problems for extremal pucci equations & related symmetry & liouville type results	DST-SERB-CRG	Tyagi,J., Dr. (M) Associate Professor Indian Institute of Technology (Gandhinagar) Palaj Gandhinagar - 382 355 Gujarat	20.98	36
2293	Shimura curves at infinity	DST-SERB-CRG	Banerjee,D., Dr. (M) Associate Professor Indian Institute of Science Education & Research (Pune) Dr. Homi Bhabha Road, Pashan Pune - 411 007 Maharashtra	32.43	36
2294	Skew cyclic codes over extension of $Z_4$ & their applications in quantum & DNA computing	DST-SERB-CRG	Prakash,O., Dr. (M) Associate Professor Indian Institute of Technology (Patna) Bihta Patna - 801 106 Bihar	20.74	36
2295	Some compact commutator problems in Operator theory	DST-SERB-CRG	Patnaik,S., Ms. (F) Assistant Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	20.02	36



## BROAD SUBJECT AREA : MATHEMATICS

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
2296	Spectra & energy of signed graphs	DST-SERB-CRG	Pirzada,S., Prof. (M) Kashmir University Hazratbal Srinagar - 190 006 Jammu & Kashmir	20.90	36
2297	Structure of hermitian modular forms Modulo P & Mod P kernel of Theta function	DST-SERB-CRG	Meher,J., Dr. (M) Reader F National Institute of Science Education & Research Tehsildar Office, Khurda, Pipli, Jatna Bhubaneswar - 752 050 Odisha	30.42	36
2298	Study of Marcum function of the second kind	DST-SERB-CRG	Singh,S., Dr. (M) Assistant Professor Indian Institute of Technology (Indore) Khandwa Road, Simrol Indore - 453 441 Madhya Pradesh	20.46	36
2299	Superconvergent discontinuous Galerkin method for parabolic intergro-differential equations with smooth & nonsmooth data	DST-SERB-CRG	Yadav,S., Dr. (F) Assistant Professor Birla Institute of Technology & Science (Pilani ) Vidya Vihar Pilani - 333 031 Rajasthan	19.11	36
2300	Weak Galerkin method for Parabolic problems	DST-SERB-CRG	Sengupta,J., Dr. (F) Assistant Professor Birla Institute of Technology & Science (Pilani ) Shamirpet-Keesara Road, Jawahar Nagar, Shameerpet Hyderabad - 500 078 Telangana	22.04	36
2301	Study of the dynamics of exact solutions for the nonlinear evolution equations using lie symmetry analysis	DST-SERB-EMEQ	Kumar,S., Dr. (M) Assistant Professor Delhi University Delhi - 110 007 Delhi	20.75	36
2302	Thermo-hydraulic characteristics of instant heater faucets: Performance rating & design optimization	DST-SERB-EMEQ	Chaudhury,K., Dr. (M) Assistant Professor National Institute of Technology (Rourkela) Sector 1 Rourkela - 769 008 Odisha	18.20	36
2303	Transition characteristics of isothermal & non-isothermal poiseuille flow in a fluid overlying a porous medium	DST-SERB-EMEQ	Bera,P., Prof. (M) Indian Institute of Technology (Roorkee ) Roorkee-Haridwar Highway Roorkee - 247 667 Uttarakhand	22.92	36
2304	A new link between Holomorphic dynamics & Kleinian groups	DST-SERB-SRG	Mukherjee,S., Dr. (M) Reader Tata Institute of Fundamental Research Dr. Homi Bhabha Road, Navy Nagar, Colaba Mumbai - 400 005 Maharashtra	4.97	24
2305	An investigation on asymptotic expansion of lambert series & Ramanujan's formula for odd zeta values	DST-SERB-SRG	Maji,B., Dr. (M) Assistant Professor Indian Institute of Technology (Indore) Khandwa Road, Simrol Indore - 453 441 Madhya Pradesh	13.48	24
2306	Bimeromorphic classification of higher dimensional varieties	DST-SERB-SRG	Das,O., Dr. (M) Reader Tata Institute of Fundamental Research Dr. Homi Bhabha Road, Navy Nagar, Colaba Mumbai - 400 005 Maharashtra	4.75	24
2307	Characterizations of local rings via homological dimensions of summands of syzygy modules	DST-SERB-SRG	Ghosh,D., Dr. (M) Assistant Professor Indian Institute of Technology (Hyderabad) Kandi Village Sangareddy - 502 285 Telangana	13.23	24
2308	Cycles, motives & K-theory	DST-SERB-SRG	Sawant,A., Dr. (M) Reader Tata Institute of Fundamental Research Dr. Homi Bhabha Road, Navy Nagar, Colaba Mumbai - 400 005 Maharashtra	4.26	24

BROAD SUBJECT AREA : MATHEMATICS

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
2309	Delta Geometry, modular forms & P-Adic Hodge theory	DST-SERB-SRG	Saha,A., Dr. (M) Assistant Professor Indian Institute of Technology (Gandhinagar) Vishwakarma Government Engineering College Campus, Chandkheda Ahmedabad - 382 355 Gujarat	14.66	24
2310	Entanglement, non-local games & quantum error correction-an operator Algebraic viewpoint	DST-SERB-SRG	Rahaman,M., Dr. (M) Assistant Professor Birla Institute of Technology & Science (Pilani ) NH 17b, Bypass Road, Sancoale Zuarinagar - 403 726 Goa	12.46	24
2311	Equivariant spectral triple for quotient spaces of quantized lie groups	DST-SERB-SRG	Saurabh,B., Dr. (M) Assistant Professor Grade I Indian Institute of Technology (Gandhinagar) Palaj Gandhinagar - 382 355 Gujarat	13.57	24
2312	Fine selmer groups & class number divisibility of ideal class groups: A look into rank-computation of elliptic curves	DST-SERB-SRG	Chakraborty,D., Dr. (M) Assistant Professor Birla Institute of Technology & Science (Pilani ) Shamirpet-Kesara Road, Jawahar Nagar, Shameerpet Hyderabad - 500 078 Telangana	14.22	24
2313	Graph homomorphisms & its extensions	DST-SERB-SRG	Sen,S., Prof. (M) Assistant Professor Indian Institute of Technology (Dharwad) Walmi Campus, Belur Industrial Area, Pb Road Dharwad - 580 011 Karnataka	14.14	24
2314	High-dimensional time series analysis	DST-SERB-SRG	Bhattacharjee,M., Dr. (F) Assistant Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	14.15	24
2315	Holographic approach towards non equilibrium dynamics in strongly coupled quantum many body systems	DST-SERB-SRG	Roychowdhury,D., Dr. (M) Assistant Professor Indian Institute of Technology (Roorkee ) Roorkee-Haridwar Highway Roorkee - 247 667 Uttarakhand	11.15	24
2316	Kms states on the C*- Algebras of fell bundles over Etale groupoids	DST-SERB-SRG	Holkar,R.D., Dr. (M) Assistant Professor Indian Institute of Science Education & Research (Bhopal) Indore Bypass Road, Bhauri Bhopal - 462 066 Madhya Pradesh	13.89	24
2317	Mathematical analysis & adjoint based stability for a couple convection-diffusion equation in miscible displacement	DST-SERB-SRG	Hota,T.K., Dr. (M) Assistant Professor S.R.M. Institute of Sciences & Technology Mangalagiri Neerukonda Tadikonda Road, Mangalagiri Mandal Guntur - 522 502 Andhra Pradesh	13.67	24
2318	Nearly invariant subspaces & unconditional basis in De branges spaces of vector valued functions & an invariant of finite dimensional operator spaces	DST-SERB-SRG	Sarkar,S., Dr. (M) Assistant Professor Indian Institute of Technology (Ropar) Nangal Road, Hussainpur Rupnagar - 140 001 Punjab	3.74	24
2319	Probing gravity using quantum information theoretic tools	DST-SERB-SRG	Bhattacharyya,A., Dr. (M) Assistant Professor Indian Institute of Technology (Gandhinagar) Vishwakarma Government Engineering College Campus, Chandkheda Ahmedabad - 382 355 Gujarat	14.55	24
2320	Projective modules & K-theory	DST-SERB-SRG	Sarwar,H.P., Dr. (M) Assistant Professor Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	11.15	24

BROAD SUBJECT AREA : MATHEMATICS

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
2321	Quasi-optimality of adaptive finite element methods for elliptic optimal control problems	DST-SERB-SRG	Dond,A.K., Dr. (F) Assistant Professor Indian Institute of Science Education & Research (Trivandrum) Computer Science Building, College of Engineering Thiruvananthapuram - 695 001 Kerala	14.31	24
2322	Regularity for elliptic & parabolic quasilinear equations	DST-SERB-SRG	Adimurthi,K., Dr. (M) Reader Tata Institute of Fundamental Research Bellary Road Bengaluru - 560 065 Karnataka	3.95	24
2323	Robust statistical learning for high-dimensional biomedical & omics data	DST-SERB-SRG	Ghosh,A., Dr. (M) Assistant Professor Indian Statistical Institute 203, Barrackpore Trunk Road Kolkata - 700 108 West Bengal	15.33	24
2324	Security analysis of stream cipher salsa, chacha & some light weight ciphers	DST-SERB-SRG	Dey,S., Dr. (M) Assistant Professor Birla Institute of Technology & Science (Pilani ) Shamirpet-Keesara Road, Jawahar Nagar, Shameerpet Hyderabad - 500 078 Telangana	12.46	24
2325	Advanced granular rough methods in action on big and small data	DST-WOS-A	Mani,A., Dr. (F) Indian Statistical Institute 203, B. T. Road Kolkata - 700 108 West Bengal	29.48	36
2326	Computational design of low dimensional energy materials for solar cells & optoelectronics	DST-WOS-A	Bala,A., Dr. (F) Shiv Nadar University NH-91, Tehsil Dadri, Gautam Buddha Nagar Greater Noida - 201 314 Uttar Pradesh	29.68	36
2327	Design of qubits using defects in materials for quantum computers	DST-WOS-A	Gupta,S.S., Dr. (F) Indian Institute of Science Bengaluru - 560 012 Karnataka	34.72	36
2328	Estimation of risk measures	DST-WOS-A	Biswas,S., Dr. (F) Indian Statistical Institute Bengaluru - 560 059 Karnataka	29.24	36
2329	Physical & mathematical modeling of microtubule-cortex interaction & the dynamics of the mitotic spindle during eukaryotic cell division	DST-WOS-A	Govindan,B.S., Dr. (F) Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	23.65	36
2330	Some current problems in nonlinear & plasma physics	DST-WOS-A	Sinha,A., Dr. (F) Calcutta University Kolkata - 700 009 West Bengal	29.51	36
2331	Some recent applications of Bombeiri-Vinogradov theorem in function field	DST-WOS-A	Palimar,S., Dr. (F) Indian Institute of Science Bengaluru - 560 012 Karnataka	29.25	36
2332	Stability analysis of nonlinear fractional differential equations from control theoretic aspect	DST-WOS-A	Chellamuthu,K., Ms. (F) Bharathiar University Coimbatore - 641 046 Tamil Nadu	20.10	36
2333	Technique to optimize perception of spatial cues & spatial release from masking	ICMR-ADHOC	Pitchaimuthu,A., Dr. (M) Associate Professor Kasturba Medical College Manipal - 576 104 Karnataka	12.86	36

BROAD SUBJECT AREA : MATHEMATICS

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insitute	Cost (Rs.in Lakh)	Duration (in Months)
2334	To study the molecular mechanisms associated with resistance to EGFR & ALK inhibitors in patients with unrespectable/metastatic non-squamous Non-Small Cell Lung Cancer (ns-NSCLC)	ICMR-ADHOC	Singh,N., Dr. (M) Postgraduate Institute of Medical Education & Research Chandigarh - 160 012 Chandigarh	31.12	24
Total Cost of 79 Projects Under: <b>Mathematics</b>				1,267.26	

## BROAD SUBJECT AREA : MEDICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
2335	A combined approach of structure based drug design & drug re-purposing strategy for the discovery of small molecules as inhibitors of Mycobacterium Tuberculosis mmpL3	AICTE-RP	Shenoy,G., Dr. (M) Manipal College of Pharmaceutical Sciences Udupi Manipal - 576 104 Karnataka	15.69	36
2336	Biocompatible anti-cancer drug loaded magnetic fibre nanocomposites capped with graphene quantum dots for bio-sensing & theranostic approach in targeting diseases	AICTE-RP	Chatap,V., Dr. (M) H.R. Patel Institute of Pharmaceutical Education & Research Shirpur Dhule - 425 405 Maharashtra	21.67	36
2337	Design & development (synthesis & evaluation of biological activity of potential anticancer agents containing curcumin using the pharmacophore optimization by molecular modeling studies	AICTE-RP	Bhandari,S., Dr. (M) A.I.S.S.M.S. College of Engineering Pune - 411 001 Maharashtra	13.33	36
2338	Design & development of carbon nano tube based formulations containing phytoconstituents from Blumea eriantha & their in-vitro & in-vivo anticancer activity	AICTE-RP	Bhinge,S., Dr. (M) Rajarambapu College of Pharmacy Kasegaon Sangli - 415 404 Maharashtra	6.86	36
2339	Design & development of fullerene based novel peptide scaffolds as potent anti/tubercular agents	AICTE-RP	Samy,N.K., Dr. (M) KIET Group of Institutions Ghaziabad - 201 206 Uttar Pradesh	22.18	36
2340	Design & development of nose-to-brain drug delivery systems	AICTE-RP	Bhavani,V., Dr. (F) Anurag University Anurag Group of Institutions, Ghatkesar Ranga Reddy - 501 301 Telangana	20.23	36
2341	Design & synthesis of some novel heterocyclic compounds as Multi-Target Directed Ligands (MTDLs) for treatment of Alzheimer's disease	AICTE-RP	Murumkar,P., Dr. (M) Maharaja Sayajirao University of Baroda Faculty of Pharmacy Vadodara - 390 001 Gujarat	22.75	36
2342	Design, synthesis & antimalarial evaluation of hybrid pyrazoline substituted 1,3,5-triazine derivatives	AICTE-RP	Bhat,H., Dr. (M) Dibrugarh University Department of Pharmaceutical Sciences Dibrugarh - 786 004 Assam	21.28	36
2343	Design, synthesis of substituted coumarin analogues as steroid sulfatase (E15) inhibitors & evaluation of their cytotoxicity against breast cancer	AICTE-RP	Chabukswar,A., Dr. (F) Dr. Vishwanath Karad MIT World Peace University S.N. 124, Paud Road, Kothrud Pune - 411 038 Maharashtra	11.33	36
2344	Development & evaluation of hybrid pharmacophores for addressing biofilm based bacterial infections	AICTE-RP	Aranjani,J., Dr. (M) Manipal College of Pharmaceutical Sciences Madhav Nagar, Udupi Manipal - 576 104 Karnataka	16.78	36
2345	Development & evaluation of modified gum-loaded polymeric nanoparticles obtained from Lannea Coromandelica (Houtt) Merr. for colon targeted delivery using budesonide model drug	AICTE-RP	Mazumder,B., Dr. (M) Dibrugarh University Department of Pharmaceutical Sciences Dibrugarh - 786 004 Assam	25.00	36
2346	Development & evaluation of tumor-specific nanodelivery systems of Lentinan & Rutin as chemotherapeutics	AICTE-RP	Wadher,K., Dr. (M) Smt. Kishoritai Bhoyar College of Pharmacy Near Railway Station, New Kamptee Nagpur - 441 002 Maharashtra	22.35	36

## BROAD SUBJECT AREA : MEDICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
2347	Development & optimization of nanoformulation (o/w) from the Kalanchoe gastonis-bonnieri (Crassulaceae) against renal calculi & apoptosis	AICTE-RP	Selvakumari,E., Dr. (F) Mother Teresa P.G. & Research Institute of Health Sciences Indira Nagar, Gorimedu Puducherry - 605 006 Puducherry	15.16	36
2348	Development of block copolymeric micelles as targeted therapeutics containing epidermal growth factor receptor for the lung carcinoma	AICTE-RP	Patel,A., Dr. (F) Parul Institute of Pharmacy P.O. Limda, Tal. Waghodia Vadodara - 391 760 Gujarat	11.84	36
2349	Development of dry powder inhaler for site specific delivery of nanoconjugates loaded with curcumin & siRNA for lung cancer	AICTE-RP	Sahu,B., Dr. (M) Girijananda Chowdhury Institute of Pharmaceutical Science Azara, Hathkhowapara, NH-37, Kamrup Guwahati - 781 017 Assam	23.00	36
2350	Discovery of trigonal heterocyclic molecules as oncogenic BRAF inhibitors for the treatment of small cell lung carcinoma	AICTE-RP	Raghavendra,M.N., Dr. (M) Acharya & B.M. Reddy College of Pharmacy Bengaluru - 560 090 Karnataka	15.27	36
2351	Eco-friendly green synthesis & development of new HDAC inhibitors as anti cancer agents	AICTE-RP	Ajitha,M., Dr. (M) JNTUH Institute of Science & Technology Hyderabad - 500 085 Telangana	14.78	36
2352	Electrospun nanofibers for tissue engineering & drug delivery	AICTE-RP	Nikam,V., Dr. (F) Smt. Kashibai Navale College of Pharmacy Pune - 411 048 Maharashtra	12.69	36
2353	Engineering the novel smart green nano assemblies for CD44 targeted tumors	AICTE-RP	Ambre,P., Dr. (F) Bombay College of Pharmacy Kalina, Sunder Nagar, Santacruz E Mumbai - 400 098 Maharashtra	23.73	36
2354	Enhancement of oral bioavailability of few antiretroviral agents through amorphization technique	AICTE-RP	Pattnaik,S., Dr. (M) Talla Padmavathi College of Pharmacy Warangal - 506 012 Telangana	12.16	36
2355	Establishment of quality parameters of some classical Ayurvedic churna formulations	AICTE-RP	Bose,A., Dr. (M) Siksha O Anusandhan University Khordha Bhubaneswar - 751 030 Odisha	14.61	36
2356	Evaluation of oral anti-cancer activity of the active constituent(s) from potentilla fulgens root: A comprehensive in-vitro, in-vivo, in-silico & formulation development study	AICTE-RP	Laloo,D., Dr. (M) Girijananda Chowdhury Institute of Pharmaceutical Science Azara, Hathkhowapara, NH-37, Kamrup Guwahati - 781 017 Assam	20.98	36
2357	Exploring pectin based nanoconjugates of anticancer drugs for site specific drug delivery in colon cancer	AICTE-RP	Acharya,P., Dr. (M) Tripura University NH 8, Suryamani Nagar Agartala - 799 022 Tripura	23.66	36
2358	Fabrication & characterization of surface modified biodegradable polymeric based parenteral drug delivery	AICTE-RP	Athawale,R., Dr. (F) Principal K.M. Kundnani College of Pharmacy 23, Jote Joy Building, Rambhau Salgaonkar Marg, Cuffe Parade Mumbai - 400 005 Maharashtra	15.22	36
2359	Fabrication of halloysite polymer doped nano composite scaffolds for tissue engineering	AICTE-RP	Dasankoppa,F.S., Dr. (F) KLES College of Pharmacy Hubli Dharwad - 580 031 Karnataka	12.84	36

BROAD SUBJECT AREA : MEDICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
2360	Formulation & evaluation of orotransmucosal film strips containing felodipine nanoparticles to enhance the oral bioavailability	AICTE-RP	Kumar,L., Dr. (M) Manipal College of Pharmaceutical Sciences Madhav Nagar, Udupi Manipal - 576 104 Karnataka	6.86	36
2361	Identification of the bioactive molecule from Acacia pennata (L.) willd. & deriving their plausible anti-diarrheal potential	AICTE-RP	Shakya,A., Mr. (M) Dibrugarh University Department of Pharmaceutical Sciences Dibrugarh - 786 004 Assam	20.00	36
2362	In silico screening of natural compounds targeting immune check points & formulation of dosage form to combat skin cancer	AICTE-RP	Mazumder,R., Dr. (F) Noida Institute of Engineering & Technology Gautam Buddha Nagar Greater Noida - 201 306 Uttar Pradesh	21.92	36
2363	Microwave assisted synthesis & evaluation of antimalarial & anticancer activity of some novel substituted Phenyl Thiazoly triazine derivatives	AICTE-RP	Kalita,J., Dr. (F) Girijananda Chowdhury Institute of Pharmaceutical Science Azara, Hathkhowapara, NH-37, Kamrup Guwahati - 781 017 Assam	21.05	36
2364	Minimal invasive, microneedle mediated intravetreal delivery of connexin43 for the management of Diabetic Retinopathy	AICTE-RP	Nerkar,P., Dr. (M) R.C. Patel Institute of Pharmaceutical Education & Research Shirpur Dhule - 425 405 Maharashtra	17.76	36
2365	Phytochemical, pharmacological evaluation & polyherbal formulation of some indiginous plants of Assam having CNS activity	AICTE-RP	Das,T., Dr. (M) Girijananda Chowdhury Institute of Pharmaceutical Science Azara, Hathkhowapara, NH-37, Kamrup Guwahati - 781 017 Assam	15.94	36
2366	Production of camptothecin in hairy root culture of nothapodytes nimmoniana	AICTE-RP	Deore,S., Dr. (F) Government College of Pharmacy Amravati - 444 604 Maharashtra	13.24	36
2367	Structural based drug design & development of novel enzalutamide analogues for treatment of metastatic cancer	AICTE-RP	Bhole,R., Dr. (M) Dr. D.Y. Patil Institute of Pharmaceutical Sciences & Research Pune - 411 018 Maharashtra	24.41	36
2368	Studies on the efficacy of Rosmarinus officinalis L. & Salvia officinalis L. plant extracts against post-stroke brain damage & neurological recovery in male rats	AICTE-RP	Chinni,S., Dr. (M) Raghavendra Institute Pharmaceutical Education & Research Anantapur - 515 721 Andhra Pradesh	10.59	36
2369	Synthesis & conjugation of aromatase inhibitors for targeted drug in treatment of breast cancer	AICTE-RP	Chopade,V., Dr. (M) P.E. Society's Modern College of Pharmacy Sector 21, Yamunanagar, Nigdi Pune - 411 044 Maharashtra	22.75	36
2370	Targeted lipid based delivery system of etposide for intravenous administration using n-3 PUFA as conjugating ligand & functional excipient	AICTE-RP	Shidhaye,S., Dr. (F) Vivekanand Education Society's College of Pharmacy Mumbai - 400 074 Maharashtra	19.56	36
2371	A clinical evaluation of efficacy of Ayurvedic treatment regimen as an add-on therapy with modern medicine in Covid-19: A randomized multi-centre, single blind, prospective clinical study	AYUSH-AYURVEDA	Nikumbh,M.B., Dr. (M) Dean Government Ayurvedic College Jalgaon - 425 002 Maharashtra	9.65	12

BROAD SUBJECT AREA : MEDICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
2372	A retrospective review of Covid-19 related clinical outcomes following the introduction of the National Clinical Management Protocol (NCMP) of Ayurveda & Yoga & other Ayurveda interventions for Covid-19	AYUSH-AYURVEDA	Lyngdoh,T., Dr. (F) Additional Professor Indian Institute of Public Health Plot No. 47, Sector 44, Institutional Area Gurgaon - 122 002 Haryana	64.86	12
2373	A single arm prospective study to evaluate the efficacy & safety of Shatyadi Kashaya & Vasavaleha combination to combat the progression of asymptomatic & mild to moderate cases of Covid-19 in to server category	AYUSH-AYURVEDA	Jindal,N., Dr. (M) Assistant Professor A & U Tibbia Hospital Department of Panchakarma, Ajmal Jhan Road, Karol New Delhi - 110 005 Delhi	10.50	12
2374	A trial of Shirashadi Kasai in adults hospitalized with moderate to severe Covid-19	AYUSH-AYURVEDA	Chakrabarty,J., Prof. (F) Head Banaras Hindu University Department of Medicine Varanasi - 221 005 Uttar Pradesh	9.28	12
2375	An interventional single arm study to observe & assess the effectiveness of 'Vyaghradi Kashaya Tab' in preventing the progression of severity in asymptomatic, mild to moderate Covid-19 cases	AYUSH-AYURVEDA	Shamkuwar,M.K., Dr. (M) Associate Professor A & U Tibbia Hospital Department of Panchakarma, Ajmal Khan Road, Karol Bagh New Delhi - 110 005 Delhi	9.90	12
2376	An open-labelled black box clinical study to investigate efficacy of add on personalized Ayurveda intervention in comparison to stand alone treatment based on ICMR guidelines	AYUSH-AYURVEDA	Kumar,S., Dr. (M) Director A.V.P. Research Foundation Trichy Road, Ramanathapuram Coimbatore - 641 045 Tamil Nadu	9.21	12
2377	Clinical trial to evaluate prophylactic action of Twakadi herbal tea in police professionals working in Covid-19 pandemic	AYUSH-AYURVEDA	Kulkarni,Y.R., Dr. (F) College of Ayurveda & Research Centre Sector 25, Nigdi Pune - 411 044 Maharashtra	9.02	12
2378	Development & validation of fermentation based immune-modulatory AYUSH Kwath formulation	AYUSH-AYURVEDA	Babu,V., Dr. (M) Senior Scientist CSIR-Indian Institute of Integrative Medicine Division of Fermentation Technology, Canal Road Jammu - 180 001 Jammu & Kashmir	69.96	24
2379	Effect of Malla Chandrodaya & Ashtadashangghan vati in patients with mild to moderate acute respiratory syndrome Corona Virus-2 (SARS-CoV-2) infections: A propective observational study	AYUSH-AYURVEDA	Joshi,N., Dr. (F) Banaras Hindu University Faculty of Ayurveda, Ajagara Varanasi - 221 005 Uttar Pradesh	9.01	12
2380	Evaluation of immuno-modulatory potential of selected Ayurvedic formulations in high risk quarantined subjects & frontline healthcare workers in Covid-19 care centre	AYUSH-AYURVEDA	Singh,S.K., Dr. (M) Associate Professor King George's Medical University University Chowk Lucknow - 226 003 Uttar Pradesh	10.00	12
2381	Immuno-modulatory effects, protease inhibitory activity & spectroscopic characterization of select Ayurvedic prophylactics & formulations: In vitro studies for novel SARS CoV infections	AYUSH-AYURVEDA	Jayasundar,R., Dr. (M) Professor & Head All India Institute of Medical Sciences Department of NMR, Ansar Nagar New Delhi - 110 029 Delhi	64.61	24
2382	Pre-clinical efficacy (Immune modulatory) & safety (Regulatory Toxicology) evaluation of AYUSH formulation "Ayush Kwath"	AYUSH-AYURVEDA	Kumar,B.D., Dr. (M) Scientist G & Head ICMR-National Institute of Nutrition Division of Drug Toxicology & NIN Animal Facility, Centre for Advanced Research for Pre-clinical Toxicology Hyderabad - 500 007 Telangana	21.17	24



## BROAD SUBJECT AREA : MEDICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
2383	Pre-exposure, Ayurveda prophylaxis for SARS-Coronavirus-2 in healthcare workers: A pragmatic, risk stratified randomized clinical trial	AYUSH-AYURVEDA	Buch,Z., Dr. (F) Senior Physician Ayurved Hospital 25/1-4, 9th Cross, 19th A Main, J.P. Nagar, Phase 2 Bengaluru - 500 078 Karnataka	10.45	12
2384	Randomized comparative clinical trial to assess the efficacy of Pippali Rasayana & Nagaradi Kashaya Ghana Vati combination as an adjuvant treatment with ICMR directed therapy in Covid-19 positive mildly symptomatic cases	AYUSH-AYURVEDA	Joshi,M.M., Dr. (F) Professor & HOD P.D.E.A.'s Ayurved Rugnalaya & Sterling Multispecialty Hospital Sector 27, Near Bhel Chowk, Nigdi Pradhikaran Pune - 411 044 Maharashtra	7.50	12
2385	Study of Swarna Amalaki as an immunomodulatory in Covid-19 patients	AYUSH-AYURVEDA	Chiwane,A., Dr. (F) Professor & Head Jawaharlal Nehru Medical College Department of Critical Care, College of Datta Meghe Institute of Medical Sciences Wardha - 442 004 Maharashtra	10.14	12
2386	To evaluate the efficacy of Mahasudarshan Ghan Vati & Vyaghradi Kwath in the management of patients with Covid-19: A pilot study	AYUSH-AYURVEDA	Kaur,A., Dr. (F) Medical Officer Government Ayurvedic Medical College Near Indira Chowk Jammu - 180 001 Jammu & Kashmir	10.00	12
2387	To study the efficacy of add on Ayurvedic treatment to the standard of care for the management of mild & moderate cases of Covid-19	AYUSH-AYURVEDA	Nikalje,R., Dr. (M) Assistant Professor Symbiosis International University Department of Respiratory Medicine, Symbiosis Medical College for Women Pune - 412 115 Maharashtra	9.10	12
2388	A community-based cluster randomized open level controlled field trial to evaluate the effectiveness of Homoeopathic prophylaxis & standard prophylaxis against Covid-19	AYUSH- HOMOEOPATH	Singh,S., Dr. (M) National Institute of Homoemopathy GE Block, Sector III, Bidhan Nagar Kolkata - 700 106 West Bengal	8.05	12
2389	Efficacy of Homoeopathic Prophylaxis Arsenicum album against Covid-19 (EPAC): A cluster randomized controlled trial	AYUSH- HOMOEOPATH	Joseph,A., Dr. (M) Associate Professor S.R.M. School of Public Health Division of Epidemiology, S.R.M. Nagar, Chengalpattu Kattankulathur - 603 203 Tamil Nadu	10.00	12
2390	Homoeopathic medicines in the prevention of Covid-19 among high risk individuals: A community based, randomizd community based, randomized controlled trial	AYUSH- HOMOEOPATH	Mundlay,M., Dr. (M) Mahesh Bhattacharyya Homoeopathic Medical College & Hospital Bantra, Ichapur Howrah - 711 104 West Bengal	5.41	12
2391	Homoeopathy medicines as add-on therapy in the management of Covid-19 cases at Covid care centre in Kanyakumari District - A clinical Trial	AYUSH- HOMOEOPATH	Sugathan,N.Y., Dr. (M) Principal & Professor Sarada Krishna Homoeopathic Medical College Department of Practice of Medicine, Kulasekharam Kanya Kumari - 629 161 Tamil Nadu	9.06	12
2392	Investigation of molecular mechanisms in anti-glycation activity of Syzygium jambolanum homeopathic preparations in diabetic nephropathy	AYUSH- HOMOEOPATH	Tupe,R.S., Dr. (F) Associate Professor Symbiosis International University Symbiosis School of Biomedical Sciences Pune - 412 115 Maharashtra	52.20	24
2393	Prophylactic effects of Homoeopathic medicines in Kolkata during Covid-19 pandemic: A community-based randomized trial	AYUSH- HOMOEOPATH	Mukherjee,S.K., Prof. (M) Principal D.N.De Homoeopathic Medical College & Hospital 12, G.K. Road Kolkata - 700 046 West Bengal	8.35	12
2394	To evaluate the effect of Homoeopathic medicines on clinical features, biochemical, radiological & immunological measurements of Covid-19 patients	AYUSH- HOMOEOPATH	Rawal,K., Dr. (M) Amity University Sector 125 Noida - 201 301 Uttar Pradesh	9.29	12

## BROAD SUBJECT AREA : MEDICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
2395	Clinical evaluation for the prophylactic role of traditional Siddha formulation Vishasura Kudineer enlisted in Advisory of Ministry of AYUSH for Covind	AYUSH-SIDDHA	Purna,P., Dr. (F) Professor & Head Narayana Medical College Department of Pulmonology Nellore - 524 003 Andhra Pradesh	9.52	12
2396	Comprehensive immunological profiling to understand the prophylactic potential of selected Siddha medicines to combat the Covid-19 pandemics: An exploratory study	AYUSH-SIDDHA	Kumaresan,G., Dr. (M) Professor & Head Madurai Kamaraj University Department of Genetics Madurai - 625 021 Tamil Nadu	9.95	12
2397	Effectiveness of Siddha herbal formulations (Notchikudineer & Chitrarathai Kudineer) on SARS-CoV-2 infection among asymptomatic infected patients	AYUSH-SIDDHA	Seshayyan,S., Dr. (F) Vice-Chancellor Dr. M.G.R. Medical University #69, Anna Salai, Guindy Chennai - 600 032 Tamil Nadu	8.86	12
2398	Non randomized clinical trial to evaluate the efficacy of Siddha medicines Nilavembu Kudineer & Kabasura Kudineer in the management of Covid-19 patients: An investigative study	AYUSH-SIDDHA	Sagayam,C.S., Dr. (M) Assistant Professor SASTRA University Thirumalaisamudram Thanjavur - 613 401 Tamil Nadu	8.68	12
2399	A herbal composition named FluNorm for treating viral infections	AYUSH-UNANI	Owais,M., Dr. (M) Professor Aligarh Muslim University Department of TB & Chest Disease Aligarh - 202 002 Uttar Pradesh	10.00	12
2400	Adjuvant role of Unani formulations (Tiryiciqewabai, Arque-e-Ajeeb, Habb-e-Loban) in management of Covid-19 patients	AYUSH-UNANI	Kumar,A., Dr. (M) Rajendra Institute of Medical Sciences Rims Cir, Indraprastha Colony, Bariatu Ranchi - 834 009 Jharkhand	6.02	12
2401	Clinical evaluation of a Unani formulation as adjunct therapy/add - on therapy simultaneously with the Allopathic treatment (regimen specific) in the Covid-19 patients	AYUSH-UNANI	Fatima,S., Dr. (F) Former Dean & Professor Jamia Hamdard School of Unani Medical Education & Research, Hamdard Nagar New Delhi - 110 062 Delhi	10.58	12
2402	Efficacy of Unani intervention as an adjuvant in the management of Covid-19	AYUSH-UNANI	Zulkaiifle,M., Dr. (M) National Institute of Unani Medicine Kottigepalaya, Magadi Main Road Bengaluru - 560 091 Karnataka	6.63	12
2403	Tele-yoga as an adjunct intervention for management of Covid-19, a non-randomized clinical trial	AYUSH-YOGA	Nagarathna,R., Dr. (F) Swami Vivekananda Yoga Anusandhana 19, Bagappa Road, Gavipuram Extension, Kempgowda Nagar Bengaluru - 560 019 Karnataka	6.34	12
2404	The role of Yogic breathing techniques among quarantined HCWs, Covind-19 positive & Covind-19 convalescent patients: A randomized clinical trial	AYUSH-YOGA	Anand,A., Dr. (M) P.G. Institute of Medical Education & Research Department of Neurology, Madhya Marg, Sector 12 Chandigarh - 160 012 Chandigarh	8.30	12
2405	Assessment of epigenetic regulation & protein modification in human population influenced by transition metal ions from industrial effluents in Tamil Nadu	CSIR-GS	Arul,N., Dr. (M) Bharathiar University Department of Zoology Chidambaram - 641 046 Tamil Nadu	18.50	36
2406	Biocompatible nano-vehicle mediated delivery of siRNA into stem cells for targeting pluripotency markers as a potential therapeutic approach in regenerative medicine	CSIR-GS	Kowshik,M., Prof. (F) Birla Institute of Technology & Science (Pilani ) Department of Biological Science Zuarinagar - 403 726 Goa	22.00	36

## BROAD SUBJECT AREA : MEDICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
2407	Correlation of Vitamin D & Senil Osteoporosis in relation to dental implant - A randomized control study	CSIR-GS	Rao,J., Prof. (M) King George's Medical University Department of Prosthodontics Lucknow - 226 003 Uttar Pradesh	18.54	36
2408	Design & development of novel 3D printed customized Torso Assisted Orthopedic Support Brace (TAOSB) to improve posture & mobility of patients with spinal deformities	CSIR-GS	Rekha,A., Dr. (F) Christian Medical College Department of Med Genetics Vellore - 632 004 Tamil Nadu	21.00	36
2409	Design & development of PIM-1 Kinase-specific inhibitors as preclinical lead for the Prostate cancer therapy	CSIR-GS	Hassan,M.I., Dr. (M) Jamia Millia Islamia C.I.R.B.S. New Delhi - 110 025 Delhi	23.00	36
2410	Development of data base for Reactive Oxygen Species (ROS) towards understanding mechanism control & therapeutics against mitochondrial dysfunction	CSIR-GS	Bandyopadhyay,D., Dr. (F) Birla Institute of Technology & Science (Pilani ) Department of Biological Science Hyderabad - 500 078 Telangana	9.28	36
2411	Effect of early life stress on curiosity & learning	CSIR-GS	Rao,L.T., Dr. (F) National Institute of Mental Health & Neuro Sciences Department of Neurophysiology Bengaluru - 560 029 Karnataka	22.00	36
2412	Elucidating the cross-talk between the ER stress pathway & miRNA aixo to impact anti-carcinogenic effect on NSCLS: Involvement of a synthetic Dihdropyrimidone, Niftetepimine	CSIR-GS	Ghosh,S., Dr. (F) Amity University Amity Institute of Biotech Kolkata - 700 135 West Bengal	13.88	36
2413	Evaluating the interrelationship between miRNA expression & SNPS in miRNA-target genes in sickle cell disease	CSIR-GS	Bhaskar,L.V.K.S., Dr. (M) Pandit Jawaharlal Nehru Memorial Medical College Department of Biochem Raipur - 492 001 Chhattisgarh	21.00	36
2414	Identification of xenostrogen induced spontaneous mutations & changes in promoter methylation status in the cancer causing genes BRCA1, BRCA2 & P53 in breast, Ovarian, Prostate & Pancreatic cancers	CSIR-GS	Maanvizi,S., Dr. (F) Rajiv Gandhi Centre for Biotechnology Thiruvananthapuram - 695 014 Kerala	19.00	36
2415	Investigation of glutamine conjugated organotin compounds as chemotherapeutic agents & their evaluation in colon cancer model systems	CSIR-GS	Agnihotri,N., Dr. (F) Panjab University Department of Biochem Chandigarh - 160 014 Chandigarh	15.00	36
2416	Leber hereditary optic neuropathy associated mitochondrial susceptibility locus in the pathology of juvenile open angle	CSIR-GS	Kaur,J., Prof. (F) All India Institute of Medical Sciences Department of Ocular Biochem & Mechanical Engineering New Delhi - 110 029 Delhi	9.40	24
2417	Physiology of a putative DD-CPASE (RV3330) of Mycobacterium Tuberculosis	CSIR-GS	Ghosh,A.S., Prof. (M) Indian Institute of Technology (Kharagpur) Department of Biotech Kharagpur - 721 302 West Bengal	15.00	36
2418	Receptor tyrosine kinase in coular malignancies: Novel prognostic markers & therapeutic targets	CSIR-GS	Sen,S., Prof. (F) All India Institute of Medical Sciences Department of Ocular Pathology New Delhi - 110 029 Delhi	16.00	36

BROAD SUBJECT AREA : MEDICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
2419	Role of long non-coding RNAs LINC00941 in lung cancers: Identification, characterization & determination of clinical utility	CSIR-GS	Shukla,S., Dr. (M) Indian Institute of Technology (Dharwad) Department of Bio Science & Bio Engineering Dharwad - 580 011 Karnataka	21.00	36
2420	Role of M6A reversible RNA Methylation in oral cancer	CSIR-GS	Khandelia,P., Dr. (M) Birla Institute of Technology & Science (Pilani ) Department of Biological Science Hyderabad - 500 078 Telangana	22.50	36
2421	Understanding the role of chrosmate mutase in mycobacterial virulence	CSIR-GS	Mukhopadhyay,S., Dr. (F) Centre for DNA Fingerprinting & Diagnostics (CDFD) Molecular & Cellular Bio Lab Hyderabad - 500 039 Telangana	19.00	36
2422	A low cost portable microfluidics embedded on chip rRT-PCR & microelectrode array coupled point-of care optoelectronic device for large scale screening of emerging viral disease like SARS COV2	DBT-R&D	Moulick,R.G., Dr. (F) Assistant Professor Amity University Gurgaon - 122 413 Haryana	87.84	12
2423	A one-hour PCR-free method of detection of novel SARS coronavirus-19 CoV-2 infections by RT-LAMP technique	DBT-R&D	Saxena,S., Dr. (M) Project Coordinator National Institute of Immunology New Delhi - 110 067 Delhi	66.00	15
2424	A simple colorimetric diagnostic technique for novel coronavirus detection	DBT-R&D	Patravale,V., Prof. (F) Institute of Chemical Technology Mumbai - 400 019 Maharashtra	18.01	8
2425	Accessories for affordable mask for preventing pandemic outbreak	DBT-R&D	Srivastava,R., Prof. (M) HOD Indian Institute of Technology (Bombay) Mumbai - 400 076 Maharashtra	17.00	6
2426	Bio-chemical & technological innovations to develop high value 'green' chemicals from 2G lignin & improve bio refinery sustainability	DBT-R&D	Satlewal,A., Dr. (M) Research Manager DBT-IOC Centre for Advanced Bio-Energy Research Faridabad - 121 007 Haryana	83.71	36
2427	Biodegradable face mask to combat Covid-19	DBT-R&D	Mahajan,N.M., Dr. (M) Professor Dadasaheb Balpande College of Pharmacy Nagpur - 440 037 Maharashtra	19.21	6
2428	COVID pandemic management based on real time detection of airborne viral load in hospitals	DBT-R&D	Agnihotri,S., Dr. (M) Assistant Professor National Institute of Food Technology Entrepreneurship & Management Sonapat - 131 028 Haryana	42.22	12
2429	COVID-19: Reverse zoonosis & its role in re-emergence	DBT-R&D	Nimmanapalli,R., Dr. (F) Professor & Head Banaras Hindu University Faculty of Veterinary & Animal Sciences Mirzapur - 231 001 Uttar Pradesh	99.40	24
2430	Crosstalk between metabolism & innate immune responses during steady state & emergency granulopoiesis in type 2 diabetes: Implications in combating infections	DBT-R&D	Joshi,M.B., Dr. (M) Professor Manipal University Manipal Life Science Centre Udupi - 576 104 Karnataka	45.91	36
2431	Developing a real-time PCR coupled with a rapid in-house RNA extraction for the diagnosis of COVID-19	DBT-R&D	Perumal,V., Dr. (M) Associate Professor Indian Institute of Technology (Delhi) New Delhi - 110 016 Delhi	31.57	9
2432	Development of a lipid encapsulated mRNA based vaccine for SARS-CoV-2 virus	DBT-R&D	Marepally,S.K., Dr. (M) Scientist Christian Medical College Vellore - 632 004 Tamil Nadu	75.38	24

BROAD SUBJECT AREA : MEDICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
2433	Development of a monoclonal antibody-based diagnostic method for the specific detection of COVID-19 viral antigens	DBT-R&D	Subramanian,J.N., Dr. (M) Associate Professor Vellore Institute of Technology University Vellore - 632 014 Tamil Nadu	58.94	15
2434	Development of Isothermal-PCR based rapid & portable coronavirus SARS-CoV-2 (COVID-19) detection kit	DBT-R&D	Nain,V., Dr. (M) Assistant Professor Gautam Buddha University Greater Noida - 201 308 Uttar Pradesh	46.13	12
2435	Development of kit for simultaneous isolation of viral RNA by magnetic nanoprobe & rapid detection of novel coronavirus by highly luminescent gold nanoclusters	DBT-R&D	Sahoo,A.K., Dr. (M) Assistant Professor Indian Institute of Information Technology Prayagraj Allahabad - 211 012 Uttar Pradesh	14.02	12
2436	Development of PCR free, facile luminescence based kit for ultra-sensitive detection of covid-19	DBT-R&D	Gupta,S., Dr. (F) Staff Scientist National Institute of Immunology New Delhi - 110 067 Delhi	37.60	12
2437	Development of SARs-CoV2 ELISA for SERO surveillance a cost effective approach for SERO surveillance & profiling sera for SARS-COV2 antibodies	DBT-R&D	Vishwanthan,G.B., Dr. (M) Assistant Professor Centre for Human Genetics Bengaluru - 560 066 Karnataka	29.93	6
2438	Development of SARS-CoV-2 Virus Like Particle (VLP) as a potential vaccine candidate	DBT-R&D	Das,S., Prof. (M) Professor Indian Institute of Science Bengaluru - 560 012 Karnataka	78.95	24
2439	Diagnostic solutions for SARS-CoV-2	DBT-R&D	Batra,G., Dr. (M) Assistant Professor Translational Health Science & Technology Institute Faridabad - 121 001 Haryana	278.99	12
2440	Effect of saturated fat (desi ghee) on gut liver axis in alcoholic hepatitis	DBT-R&D	Benjamin,J.J., Dr. (F) Associate Professor Institute of Liver & Biliary Sciences New Delhi - 110 070 Delhi	60.30	36
2441	Enhancer of zeste homolog-2 role in glomerular endothelial dysfunction during diabetic nephropathy	DBT-R&D	Majumder,S., Prof. (M) Associate Professor Birla Institute of Technology & Science (Pilani) Hyderabad - 500 078 Telangana	33.47	36
2442	Establishment of national repository for microalgae & cyanobacteria - II phase	DBT-R&D	Thajuddin,N., Dr. (M) Professor Bharathidasan University Tiruchirappalli - 620 024 Tamil Nadu	172.71	36
2443	Fluorescence & electrochemistry mediated rapid detection of SARS-COV-2 nucleic acid from biological samples	DBT-R&D	Kumar,A., Dr. (M) Assistant Professor Bennett University Greater Noida - 201 310 Uttar Pradesh	31.28	18
2444	Identification of novel genes involved in the stress-induced mechanism of mitochondrial biogenesis using genetic & genomics approaches	DBT-R&D	Jaiswal,M., Dr. (M) Reader Tata Institute of Fundamental Research Hyderabad - 500 107 Telangana	64.47	36
2445	Intranasal mucosal vaccine for COVID-19	DBT-R&D	Bhor,V.M., Dr. (M) Scientist D ICMR-National Institute for Research in Reproductive Health Mumbai - 400 012 Maharashtra	47.69	24
2446	Investigating role of bile acids in modulating hepatic-hippocampal crosstalk in experimental model of lifestyle disorder	DBT-R&D	Devkar,R.V., Dr. (M) Assistant Professor Maharaja Sayajirao University of Baroda Bharuch - 390 002 Gujarat	22.97	24
2447	Modifying the lignin composition in biomass sorghum & its deployment for enhanced ligno-cellulosic (2G) biofuel production	DBT-R&D	Umakanth,V.U., Dr. (M) Principal Scientist ICAR-Indian Institute of Millets Research Hyderabad - 500 030 Telangana	57.96	36

## BROAD SUBJECT AREA : MEDICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
2448	Non-invasive, rapid, specific & sensitive electrochemical biosensor for Covid-19 infection	DBT-R&D	Veerapandian,M., Dr. (M) Scientist & Assistant Professor CSIR-Central Electrochemical Research Institute Karaikudi - 630 006 Tamil Nadu	39.18	12
2449	Paper-based devices for thermal cyclers-free molecular diagnostics of COVID-19	DBT-R&D	Toley,B.J., Dr. (M) Indian Institute of Science Bengaluru - 560 012 Karnataka	26.95	12
2450	Point of care device for COVID 19 detection	DBT-R&D	Singh,S.G., Prof. (M) Indian Institute of Technology (Hyderabad) Sangareddy - 502 205 Telangana	46.18	12
2451	Purification & characterisation of glycerol kinase & glycerol-3-phosphate dehydrogenase (cytosolic & mitochondrial) from Homo sapiens for their critical role in type 2 diabetes	DBT-R&D	Das,B., Dr. (M) Associate Professor North-Eastern Hill University Shillong - 793 022 Meghalaya	85.01	36
2452	Relationship between digestive symptoms & morbidity, mortality & fecal excretion of the virus among patients with COVID-19: A possible diagnostic role of fecal sample & potential for feco-oral transmission	DBT-R&D	Ghoshal,U.C., Prof. (M) Sanjay Gandhi P.G. Institute of Medical Sciences Lucknow - 226 014 Uttar Pradesh	44.33	24
2453	Role of cardiolipin-mediated post-translational modifications of PPAR $\gamma$ , fine-tuning lung-inflammation resolution in acute lung injury	DBT-R&D	Chakraborty,K., Dr. (M) Fellow CSIR-Institute of Genomics & Integrative Biology Delhi - 110 007 Delhi	52.93	36
2454	Systematic assembly of SARS-CoV-2 full-length and subgenome cDNA clones	DBT-R&D	Harshan,K., Dr. (M) CSIR-Centre for Cellular & Molecular Biology Hyderabad - 500 007 Telangana	49.97	24
2455	Automated cognitive metrics classification framework to improve human machine collaboration	DRDO-LSRB	Roy,P.P., Dr. (M) Associate Professor Indian Institute of Technology (Roorkee ) Roorkee - 247 667 Uttarakhand	47.93	36
2456	Detection & management of pain: Pain to pleasure by neuromodulation	DRDO-LSRB	Dey,S., Prof. (M) Calcutta University Kolkata - 700 009 West Bengal	60.17	36
2457	Development of rapid point-of-care diagnostic kit for infections associated with combat war wound & sepsis in armed forces	DRDO-LSRB	Dey,R.J., Dr. (F) Assistant Professor Birla Institute of Technology & Science (Pilani ) Hyderabad - 500 078 Telangana	39.82	36
2458	Exploring novel biomarkers in Indian pulmonary arterial hypertension patients through transcriptomics approach	DRDO-LSRB	Rana,R., Dr. (F) Senior Scientist Sri Ganga Ram Hospital New Delhi - 110 060 Delhi	39.97	36
2459	Haemostatic microcapsules	DRDO-LSRB	Ganguly,S., Dr. (M) Associate Professor Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	30.36	36
2460	Human performance enhancement via tDCS in VR & performance forecasting via machine learning methods	DRDO-LSRB	Dutt,V., Dr. (M) Assistant Professor Indian Institute of Technology (Mandi) Manali - 175 005 Himachal Pradesh	49.13	36
2461	Intelligent video based human activity analysis	DRDO-LSRB	Dhavale,S.V., Dr. (F) Associate Professor Defence Institute of Advanced Technology Pune - 411 025 Maharashtra	38.86	18

BROAD SUBJECT AREA : MEDICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
2462	Non-contact electrocardiogram system for continuous monitoring of cardiac system & to evaluate the armed forces personnel performance	DRDO-LSRB	Raajan,N.R., Dr. (M) Sr. Assistant Professor SASTRA University Thanjavur - 613 401 Tamil Nadu	40.66	36
2463	Superabsorbent hemostatic sponges for arterial bleeding & other wound types	DRDO-LSRB	Verma,V., Dr. (M) Associate Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	36.82	12
2464	A novel acupuncture treatment planning & navigation device	DSIR-PRISM	Roshan,D., Mr. (M) C-2, Kurichi Housing Unit, Phase 1, Post SIDCO Coimbatore - 641 001 Tamil Nadu	12.81	12
2465	Fatigue analysis & injury prevention in sports training using wearable	DSIR-PRISM	Susurla,S.V.S., Mr. (M) H.No. #2/B, Rukmini Devi Colony Annexe, West Marredpally Secunderabad - 500 003 Telangana	2.31	5
2466	Design & fabrication of low cost analytical devices for rapid detection of hazardous ions in portable water	DST-DDP	Kurkuri,M., Prof. (M) Jain University Centre for Nano & Material Science Bengaluru - 560 041 Karnataka	26.95	24
2467	Development of dispersion coating & performing device for biomedical composites	DST-DDP	Alagirusamoi, Prof. (M) Indian Institute of Technology (Delhi) Department of Textile & Fiber Engineering, Hauz Khas New Delhi - 110 016 Delhi	45.67	24
2468	Development of Otoacoustic emission sensing system medical application	DST-DDP	Tiwari,N., Dr. (M) Indian Institute of Technology (Kanpur) Department of Mechanical Engineering Kanpur - 208 016 Uttar Pradesh	62.24	30
2469	Development of portable Raman spectrometer for early diagnosis of kidney disease using urea & creatinine concentrations	DST-DDP	Subramaniam,K., Dr. (M) Karpagam University Karpagam Academy of Higher Education Coimbatore - 641 050 Tamil Nadu	46.48	24
2470	Non invasive measurements & monitoring of pulmonary congestion	DST-DDP	Aprem,A., Dr. (M) Assistant Professor National Institute of Technology (Calicut) Calicut Mukkam Road, Kattangal Kozhikode - 673 601 Kerala	37.27	24
2471	A metronomically bioactive factor releasing nano-textile integrated immuno-protective nonoporous capsule for islet cell encapsulation & transplantation	DST-IBC	Sathy,B.N., Dr. (M) Amrita Vishwa Vidyapeetham Centre for Nanoscience & Molecular Medicine Kochi - 682 041 Kerala	48.56	36
2472	Alloy development for additive manufacturing of prostheses and reconstructive implants (short name: MetAMeT Metal Additive Medical Technology)	DST-IBC	Amirthalingam,M., Dr. (M) Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	43.57	36
2473	An integrative approach for understanding the structure, function & dynamics of HIV protease: Applications to design novel inhibitors	DST-IBC	Gromiha,M.M., Prof. (M) Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	34.55	36
2474	Aortic & lung inflammation following COVID: A marker of cardiac event	DST-IBC	Roy,A., Dr. (M) All India Institute of Medical Sciences Ansari Nagar New Delhi - 110 029 Delhi	17.73	36

## BROAD SUBJECT AREA : MEDICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
2475	CD133 mAbs surface modified carbon nanotubes loaded with surviving siRNA & Paclitaxel for the treatment of non-small cell lung cancer	DST-IBC	Praveen,T.K., Dr. (M) J.S.S. College of Pharmacy (Ooty) Ooty - 643 001 Tamil Nadu	9.26	36
2476	Design & development of nanomaterial-based sensor devices for health monitoring of artificial heart valve	DST-IBC	Sen,P., Prof. (M) Indian Institute of Science Bengaluru - 560 012 Karnataka	7.64	36
2477	Development & fabrication of electrochemical nanostructured immunosensing strips for point-of-care biomedical testing of vitamin D deficiency	DST-IBC	Brahman,P.K., Dr. (M) K.L. University Green Fields, Vaddeswaram Vijayawada - 522 502 Andhra Pradesh	9.10	36
2478	Development of a smart scaffold for assisting efficient bone repair	DST-IBC	Kandaswamy,R., Dr. (M) Anna University Chennai - 600 025 Tamil Nadu	9.04	36
2479	Digital mental healthcare for older adults via visually-induced hippocampal activation therapy	DST-IBC	Nandy,A., Dr. (M) National Institute of Technology (Rourkela) Rourkela - 769 001 Odisha	28.17	36
2480	Epidemiological impact & intersection of the COVID-19 & tuberculosis pandemics in Brazil, Russia, India & South Africa	DST-IBC	Guleria,R., Dr. (M) All India Institute of Medical Sciences Ansari Nagar New Delhi - 110 029 Delhi	171.49	36
2481	Estimation of the potential impact on human health of cyanobacteria & microalgae & their toxins in the bioaerosols of the coastal zone: A comparative assessment between India & Poland	DST-IBC	Dey,S., Dr. (M) Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	3.62	36
2482	Experimental investigations on FDM & SLA printed personalized drug delivery systems	DST-IBC	Sharma,V., Dr. (M) Indian Institute of Technology (Roorkee ) Roorkee - 247 667 Uttarakhand	11.10	36
2483	Genomic sequencing of SARS-CoV-2 & studies on the epidemiology & mathematical modeling of the COVID-19 pandemic (Metagenomic analysis of environmental samples for detection of SARS-COV-2 & epidemiology surveillance	DST-IBC	Sasikala,C., Dr. (F) Jawaharlal Nehru Technological University Hyderabad - 500 085 Telangana	59.65	36
2484	Metal cross-linked oxygenated multi-layer polymeric scaffold for diabetic foot ulcer wound healing	DST-IBC	Rajan,M., Prof. (M) Madurai Kamaraj University Madurai - 625 021 Tamil Nadu	9.10	36
2485	Molecular simulation to explore therapeutic efficacy of novel compounds for prevention & management of Alzheimer disease	DST-IBC	Sandhir,R., Prof. (M) Panjab University Chandigarh - 160 014 Chandigarh	9.10	36
2486	Nanoscale manufacturing platform to combat pandemics like COVID-19	DST-IBC	Chatterjee,K., Dr. (M) Indian Institute of Science Department of Materials Engineering, C.V. Raman Avenue Bengaluru - 560 012 Karnataka	30.02	36
2487	Polysaccharide based activatable vesicle for programmed delivery chemotherapeutic to the colon cancer	DST-IBC	Bhuniya,S., Dr. (M) J.I.S. Institute of Advanced Studies & Research [JISIASR] Kolkata - 700 091 West Bengal	20.62	36



## BROAD SUBJECT AREA : MEDICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
2488	Preparation of next generation nanovaccine using multifunctional Glycan's for cancer immunotherapy	DST-IBC	Gupta,R.K., Dr. (M) Dr. D.Y. Patil Biotechnology & Bioinformatics Institute Pune - 411 033 Maharashtra	2.98	36
2489	Processing of complex sound signals including vocalizations in mice models of autism & different types of sensorineural hearing loss	DST-IBC	Bandyopadhyay,S., Dr. (M) Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	38.33	36
2490	Alternations in immune, inflammatory & endocrine responses in Indian patients with Diabetes infected with Sars-Cov-2 & it clinical consequences	DST-IRHPA	Sahoo,S.K., Dr. (M) Assistant Professor Sanjay Gandhi P.G. Institute of Medical Sciences Raebareli Road Lucknow - 226 014 Uttar Pradesh	73.26	36
2491	Covid-Scan (Novel diagnostic platforms for point-of-care Sars-Cov-2 detection)	DST-IRHPA	Gandhi,S., Dr. (F) Scientist D National Institute of Animal Biotechnology Niab Road, Q City Road, Gachibowli Hyderabad - 500 032 Telangana	56.73	36
2492	Design, validation & development of novel peptidomimetic therapeutics targeting Sars-Cov-2 replication	DST-IRHPA	Arulandu,A., Dr. (M) Group Leader International Centre for Genetic Engineering & Biotechnology Aruna Asaf Ali Marg New Delhi - 110 067 Delhi	115.16	36
2493	Development & evaluation of Diagnostics & candidate Vaccines for emerging Sars-Coronavirus-2 (Dec-Vac Sars)	DST-IRHPA	Victor,S., Dr. (M) Associate Professor Indian Institute of Science Education & Research (Trivandrum) Computer Science Building, College of Engineering Thiruvananthapuram - 695 551 Kerala	184.13	36
2494	Development of rapid electrochemical based diagnostics for detection of Sars-Cov-2 infection	DST-IRHPA	Khan,R., Dr. (M) Principal Scientist CSIR-Advanced Materials & Processes Research Institute Hoshangabad Road Bhopal - 462 026 Madhya Pradesh	72.68	36
2495	Development of vaccine immunogens to induce potent neutralizing antibodies against novel Coronavirus (Sars-Cov-2)	DST-IRHPA	Ringe,R.P., Dr. (M) CSIR-Institute of Microbial Technology Sector 39-A Chandigarh - 160 036 Chandigarh	63.06	36
2496	Discovery of structure based antivirals against Sars-Cov 2 targeting key viral genome replication enzymes	DST-IRHPA	Kumar,P., Prof. (M) Indian Institute of Technology (Roorkee ) Roorkee-Haridwar Highway Roorkee - 247 667 Uttarakhand	60.22	36
2497	Ftir-based ultrafast detection & quantitative assessment of Covid-19, viral load	DST-IRHPA	Lahiri,B., Dr. (M) Assistant Professor Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	71.82	36
2498	Immuno-epigenetics study of the humoral immune response in Covid-19 patients from India	DST-IRHPA	Gupta,N., Dr. (M) Staff Scientist National Institute of Immunology Aruna Asaf Ali Marg New Delhi - 110 067 Delhi	70.40	36
2499	Multimodal approaches to develop potential therapeutic leads targeting molecular hot spots of Duchenne muscular Dystrophy for clinical trial	DST-IRHPA	Ghosh,S., Prof. (M) Indian Institute of Technology (Jodhpur) NH 65, Surpura Bypass Road, Karwar Jodhpur - 342 030 Rajasthan	463.60	60
2500	Rapid identification of Covid-19 biomarkers in blood plasma using Raman spectroscopy & artificial intelligence	DST-IRHPA	Nandi,D., Prof. (M) Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	57.88	36

BROAD SUBJECT AREA : MEDICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
2501	Structural & mechanistic studies to understand Sars-Cov-2 ingress into human cells & its therapeutic intervention	DST-IRHPA	Chatterjee,J., Prof. (M) Assistant Professor Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	100.13	36
2502	Synthetic reconstruction of an attenuated Sars-Cov-2 virus for vaccine development & a high-content inhibitor screen	DST-IRHPA	Bachhawat,A.K., Dr. (M) Professor Indian Institute of Science Education & Research (Mohali) Knowledge City, Sector 81, S.A.S. Nagar Mohali - 140 306 Punjab	95.50	36
2503	Towards development of a potent antiviral against the Sars-Cov-2 by targeting the interaction between nucleocapsid protein & viral RNA	DST-IRHPA	Surjit,M., Dr. (M) Associate Professor Translational Health Science & Technology Institute NCR Biotech Science Cluster, 3rd Milestone, Faridabad-Gurgaon Expressway Faridabad - 121 001 Haryana	58.42	36
2504	10-Minute paper-based test kit to detect Sars-Cov-2	DST-SERB-COVID	Karpe,Y.A., Dr. (M) Scientist D Agharkar Research Institute Gopal Ganesh Agarkar Road Pune - 411 004 Maharashtra	24.83	14
2505	A phase lib openlabel randomized controlled trial to evaluate the efficacy & safety of Ivermectin in reducing viral loads in patients with hematological disorders who are admitted with Covid-19 infection (Ice study)	DST-SERB-COVID	George,B., Dr. (M) Head & Professor Christian Medical College Vellore - 632 004 Tamil Nadu	20.90	12
2506	A randomized controlled trial of single-dose oral ivermectin in patients with Covid-19 infection	DST-SERB-COVID	Mohan,A., Dr. (M) Professor & Head All India Institute of Medical Sciences Ansari Nagar New Delhi - 110 029 Delhi	23.17	12
2507	An automated lung ultrasound workflow for diagnostic assistance on Covid-19 & beyond	DST-SERB-COVID	Panicker,M.R., Dr. (M) Assistant Professor Indian Institute of Technology (Palakkad) Ahila Integrated Campus, District Palakkad Kozhippara - 678 557 Kerala	12.03	12
2508	An easy & rapid detection platform for viral diseases for saliva: Covid-19 & beyond	DST-SERB-COVID	Jayasree,R.S., Dr. (F) Scientist F Sree Chitra Tirunal Institute for Medical Sciences & Technology Thiruvananthapuram - 695 011 Kerala	16.54	16
2509	Aptamer-based rapid diagnostic kit for detection of Corona virus infection (Covapt)	DST-SERB-COVID	Dev,A., Dr. (M) Assistant Professor Birla Institute of Technology (Mesra) Ranchi - 835 215 Jharkhand	15.75	14
2510	Bioinspired copper coordination polymers as filter for Covid-19: Targeting catalytic site of virus	DST-SERB-COVID	Mayilmurugan,R., Dr. (M) Assistant Professor Madurai Kamaraj University Palkalai Nagar Madurai - 625 021 Tamil Nadu	16.85	12
2511	Cost-effective, antiviral & antibacterial textile based face mask using facile & industrially scalable air-brush technology	DST-SERB-COVID	Bose,S., Dr. (M) Associate Professor Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	11.54	12
2512	Design, fabrication & testing of portable, high-sensitivity aptasensors for one-step viral diagnostics	DST-SERB-COVID	Ramalingam,M., Dr. (M) Associate Professor Vellore Institute of Technology University Tiruvalam Road, Katpadi Vellore - 632 014 Tamil Nadu	16.94	12
2513	Development an antiviral filter for ventilators	DST-SERB-COVID	Srivastava,R., Prof. (M) Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	24.43	12

BROAD SUBJECT AREA : MEDICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
2514	Development of a low cost anosmia screening tool to mass screen asymptomatic Covid-19 carriers	DST-SERB-COVID	James,J., Dr. (M) Scientist F Rajiv Gandhi Centre for Biotechnology Melarannoor Road, Poojapura, Thycaud Thiruvananthapuram - 695 014 Kerala	14.38	12
2515	Development of a new generation reusable antimicrobial N95 respirator	DST-SERB-COVID	Maliyekkal,S.M., Dr. (M) Assistant Professor Indian Institute of Technology (Tirupati) A Renigunta Road, Post Settipalli Tirupati - 517 506 Andhra Pradesh	19.80	12
2516	Development of a point-of-care fiber-optic biosensor (P-Fab) device for rapid detection of Covid-19	DST-SERB-COVID	Sai,R.V., Dr. (M) Associate Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	21.48	14
2517	Development of a portable optical cavity sterilization unit	DST-SERB-COVID	Gangwar,R.K., Dr. (M) Assistant Professor Indian Institute of Technology (Tirupati) A Renigunta Road, Post Settipalli Tirupati - 517 506 Andhra Pradesh	22.19	15
2518	Development of fluorescent human Transmembrane serine protease 2 (Tmprss2) activity sensor for rapid screening of inhibitors in vitro & in living cells to combat human Covid-19 & other respiratory infections	DST-SERB-COVID	Bulusu,V., Dr. (M) Indian Institute of Science Education & Research (Berhampur) Government ITI Building Engineering School Junction Berhampur - 760 010 Odisha	17.70	15
2519	Development of host-directed anti-Coronavirus agents	DST-SERB-COVID	Kumar,N., Dr. (M) Principal Scientist ICAR-National Research Centre on Equines Sirsa Road Hisar - 125 001 Haryana	24.04	12
2520	Development of machine learning based drug repurposing pipeline against Sars-Cov-2 & human proteome	DST-SERB-COVID	Rawal,K., Dr. (M) Associate Professor Amity University Sector 125 Noida - 201 301 Uttar Pradesh	15.94	15
2521	Development of nanobodies as prophylactic & therapeutic candidates against Sars-Cov-2 virus	DST-SERB-COVID	Kumar,J., Dr. (M) Scientist E National Centre for Cell Sciences Pune University Campus, Ganeshkhind Pune - 411 007 Maharashtra	19.16	17
2522	Drug repurposing against key Covid-19 drug targets using advance machine learning based Algorithms	DST-SERB-COVID	Yadav,M.K., Dr. (M) Assistant Professor S.R.M. Institute of Sciences & Technology Plot No 39, Rajiv Gandhi Education City, P.O. P.S. Rai Sonapat - 131 029 Haryana	12.30	12
2523	Evaluating the potential antiviral efficacy of functional carbon quantum Dots loaded with ketorolac salt against Sars-Cov-2	DST-SERB-COVID	Dash,R., Dr. (M) Scientist E Institute of Life Sciences Nalco Nagar Road, Chandrasekharpur Bhubaneswar - 751 023 Odisha	19.48	17
2524	Extremely water repellent coating for anti-viral application	DST-SERB-COVID	Manna,U., Dr. (M) Associate Professor Indian Institute of Technology (Guwahati) Surjamukhi Road, North Amingaon Guwahati - 781 039 Assam	17.05	12
2525	Generation of vesicular stomatitis virus pseudotyped with spike protein of Sars-Cov-2 reporter platform under Bsl-2 condition for rapid method of identifying antiviral drug targets	DST-SERB-COVID	Nayak,D., Dr. (M) Associate Professor Indian Institute of Technology (Indore) Khandwa Road, Simrol Indore - 453 552 Madhya Pradesh	19.85	12
2526	Identification of Covid-19 associated extracellular vesicles as a prognostic tool & an alternative of Sars-Cov-2 infection & transmission	DST-SERB-COVID	Sukriti,S., Dr. (F) Assistant Professor Institute of Liver & Biliary Sciences Sector D-1, Vasant Kunj New Delhi - 110 070 Delhi	20.10	14

BROAD SUBJECT AREA : MEDICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
2527	In silico analysis of 10000 genomic sequences of Covid-19 around the world including India to identify genetic variability & potential molecular targets in virus & human	DST-SERB-COVID	Saha,I., Dr. (M) Assistant Professor National Institute of Technical Teachers' Training & Research Fc Block, Sector 3, Salt Lake City Kolkata - 700 106 West Bengal	8.36	15
2528	Molecular beacons-based detection of novel Sars Coronavirus-19 (Cov-2)	DST-SERB-COVID	Saxena,S., Dr. (M) Staff Scientist VI Jawaharlal Nehru University New Mehrauli Road New Delhi - 110 067 Delhi	25.00	15
2529	Nanopore sequencing based rapid monitoring of Covid-19 nucleic acids in drains of Pune river	DST-SERB-COVID	Dharne,M.S., Mr. (M) Principal Scientist CSIR-National Chemical Laboratory Dr. Homi Bhabha Road, Pashan Pune - 411 008 Maharashtra	21.02	12
2530	Novel target identification & drug repositioning for Covid-19 based on interaction network, molecular design & machine learning	DST-SERB-COVID	Priyakumar,D., Dr. (M) Associate Professor International Institute of Information Technology Professor C.R. Rao Road, Gachibowli Hyderabad - 500 032 Telangana	4.84	12
2531	Paper-based plasmonic aptamer linked immobilized sorbent assay (Palisa) for screening Covid-19 disease	DST-SERB-COVID	Ganesan,V., Dr. (M) Senior Scientist CSIR-Central Leather Research Institute Sardar Patel Road, Adyar Chennai - 600 020 Tamil Nadu	10.15	12
2532	Radip, Pcr or antibody-free clinical diagnosis of viral infection via 'chemical-nose' sensor	DST-SERB-COVID	De,M., Dr. (M) Assistant Professor Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	18.15	15
2533	Rapid & sensitive detection of novel Coronavirus (Sars-Cov-2) using isothermal nucleic acid amplification	DST-SERB-COVID	Maiti,B., Dr. (M) Associate Professor Nitte University 6th Floor, University Enclave, Medical Science Complex, Deralakatte Mangalore - 574 110 Karnataka	17.46	14
2534	Rapid, affordable, portable Sars-Cov-2 screening kit for resource limited settings	DST-SERB-COVID	Giri,J., Dr. (M) Associate Professor Indian Institute of Technology (Hyderabad) Kandi Village Sangareddy - 502 285 Telangana	14.42	16
2535	Re-purposing of approved drugs from drugbank database for possible treatment for Covid-19 by targeting Sars-Cov-2 main protease	DST-SERB-COVID	Dubey,V.K., Prof. (M) Indian Institute of Technology (BHU) Banaras Hindi University Varanasi - 221 005 Uttar Pradesh	15.45	17
2536	Single ventilator design modification for optimal multi-patient use - A CFD study	DST-SERB-COVID	Sarkar,J., Dr. (F) Associate Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	10.57	14
2537	Stem Cell derived exosome therapy for clinical management of lung damage in critically-III Corona viral Pneumonia patients	DST-SERB-COVID	Kasoju,N., Dr. (M) Scientist C Sree Chitra Tirunal Institute for Medical Sciences & Technology Thiruvananthapuram - 695 011 Kerala	19.15	15
2538	Structural, biochemical & computational investigation on the therapeutic targets of Sars-Cov-2 & structure - based drug discovery from Indian herbs	DST-SERB-COVID	Kadhirvel,S., Dr. (M) Associate Professor SASTRA University Thirumalaisamudram Thanjavur - 613 401 Tamil Nadu	18.30	15
2539	Targeting the RNA-dependent RNA polymerase (Rdrp) of Sars-Cov-2 for the development of inhibitors	DST-SERB-COVID	Das.B.B., Prof. (M) Associate Professor Indian Association for the Cultivation of Science 2a & 2b, Raja S.C. Mullick Road Kolkata - 700 032 West Bengal	24.02	15

BROAD SUBJECT AREA : MEDICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
2540	Understanding the role of Sars-Cov-2 virulence factor-orf3a in modulating host cell responses: A way to identify host directed therapy	DST-SERB-COVID	Tuli,A., Dr. (M) Senior Scientist CSIR-Institute of Microbial Technology Sector 39A Chandigarh - 160 036 Chandigarh	24.64	14
2541	"Neuronal" regulation of tumor cell migration- understanding the role of semaphorins in tumor cells undergoing Emt & subjected to differential flow dynamics	DST-SERB-CRG	Rao,V.K.P., Dr. (M) Assistant Professor Birla Institute of Technology & Science (Pilani ) Vidya Vihar Pilani - 333 031 Rajasthan	54.16	36
2542	A combined metabolome & proteome profiling to develop a predictive biomarker set for Rheumatoid Arthritis assessment	DST-SERB-CRG	Biswas,S., Dr. (F) Sr. Principal Scientist CSIR-Institute of Genomics & Integrative Biology University Campus, Mall Road New Delhi - 110 025 Delhi	48.20	36
2543	A cross sectional study to determine the Hbv burden & genotype among pregnant women in central India & the correlation between viral replication in placental cells & its vertical transmission	DST-SERB-CRG	Vyas,A.K., Dr. (M) All India Institute of Medical Sciences Saket Nagar Bhopal - 462 020 Madhya Pradesh	39.40	36
2544	An investigation of the executive mechanisms underlying the effects of cognitive fatigue on control of balance in humans	DST-SERB-CRG	Kanekar,N., Dr. (F) Assistant Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	23.21	36
2545	An objective evaluation of coronary artery disease using spatial vectorcardiography & digital phonocardiography	DST-SERB-CRG	Sengupta,A., Prof. (M) Institute of Post Graduate Medical Education & Research & S.S.K.M. Hospital 244, Acharya J.C. Bose Road Kolkata - 700 020 West Bengal	57.64	36
2546	Analysis of genetic variations in nuclear-encoded mitochondrial genes & genotype-phenotype correlations in children with Mitochondrial Encephalopathy	DST-SERB-CRG	Saini,A.G., Dr. (F) Assistant Professor P.G. Institute of Medical Education & Research Sector 2, Madhya Marg Chandigarh - 160 012 Chandigarh	39.84	36
2547	Association of altered gut Mycobiome (Fungome) & fungal metabolites with disease phenotype in patients with chronic Pancreatitis	DST-SERB-CRG	Talukdar,R., Dr. (M) Scientist & Head Asian Institute of Gastroenterology Division of Gut Microbiome Research, Pancreas Research Group, 6-3-661, Somajiguda Hyderabad - 500 082 Telangana	55.58	36
2548	Astroglial specific biotin deprivation in aging brain influences mitophagy & mitochondrial biogenesis	DST-SERB-CRG	Jayavelu,T., Dr. (M) Assistant Professor Anna University Guindy Chennai - 600 025 Tamil Nadu	50.84	36
2549	Azoxymethane/dextran sulphate sodium induced colitis associated colorectal cancer in mice: Studies on single & combined exposure of Parp-1 & Nlrp3 inflammasome inhibitors	DST-SERB-CRG	Jena,G., Dr. (M) Associate Professor National Institute of Pharmaceutical Education & Research S.A.S. Nagar, Sector 67 Mohali - 160 062 Punjab	30.47	36
2550	Characterizing the significance of mitochondria centric events in Japanese encephalitis virus (Jev) life cycle & neurodegeneration	DST-SERB-CRG	Syed,G.H., Dr. (M) Scientist E Institute of Life Sciences Nalco Nagar, Chandrasekharpur Bhubaneswar - 751 023 Odisha	51.53	36
2551	Clinico-immunological analysis of pediatric hydatid disease: Prognosis, outcomes & correlation of clinical & laboratory factors during the course of disease	DST-SERB-CRG	Peters,N.J., Dr. (M) Assistant Professor P.G. Institute of Medical Education & Research Madhya Marg, Sector 12 Chandigarh - 160 012 Chandigarh	29.15	36

## BROAD SUBJECT AREA : MEDICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
2552	Cognitive remediation through behavioural reinforcement in traumatic brain injury	DST-SERB-CRG	Parvez,S., Dr. (M) Professor & HOD Jamia Hamdard Mehrauli Badarpur Road, Hamdard Nagar New Delhi - 110 062 Delhi	49.52	36
2553	Comparison of chemotherapy combined with percutaneous electroporation & chemotherapy alone in the management of locally advanced carcinoma of the gall bladder	DST-SERB-CRG	Kalra,N., Dr. (M) Professor P.G. Institute of Medical Education & Research Madhya Marg, Sector 12 Chandigarh - 160 012 Chandigarh	50.30	24
2554	Cornulin in pathophysiology of head & neck squamous cell carcinoma	DST-SERB-CRG	Ghoshal,S., Dr. (F) Professor & Head P.G. Institute of Medical Education & Research Madhya Marg, Sector 12 Chandigarh - 160 012 Chandigarh	25.52	36
2555	Deciphering the role of Wilms tumor1 in Podocytopathy: Implications in obesity related Glomerulopathy	DST-SERB-CRG	Pasupulati,A.K., Dr. (M) Assistant Professor Hyderabad University Hyderabad - 500 046 Telangana	57.76	36
2556	Determine whether Irgm is a novel therapeutic target for inducing broad spectrum antiviral immunity	DST-SERB-CRG	Chauhan,S., Dr. (M) Scientist E Institute of Life Sciences Nalco Nagar, Chandrasekharpur Bhubaneswar - 751 023 Odisha	63.39	36
2557	Development of new approaches to live attenuated vaccine against Chikungunya virus	DST-SERB-CRG	Karpe,Y.A., Dr. (M) Scientist D Agharkar Research Institute Gopal Ganesh Agarkar Road Pune - 411 016 Maharashtra	30.34	36
2558	Development of novel bispecific nano-antibody for clinical use	DST-SERB-CRG	Pande,A.H., Dr. (M) Associate Professor National Institute of Pharmaceutical Education & Research Sector 67, S.A.S. Nagar Mohali - 160 062 Punjab	53.72	36
2559	Development of novel formulation for minimally invasive or non-invasive ocular delivery of anti-Vegf macromolecule for retinoblastoma	DST-SERB-CRG	Singh,K., Dr. (F) Assistant Professor Narsee Monjee Institute of Management Studies V.L. Mehta Road, West Parle, Juhu Mumbai - 400 056 Maharashtra	29.36	36
2560	Development of novel therapeutics for the redemption from frostbite & burn injury-induced chronic pain in military veterans	DST-SERB-CRG	Tiwari,V., Dr. (M) Assistant Professor Indian Institute of Technology (BHU) Banaras Hindu University Varanasi - 221 005 Uttar Pradesh	40.81	36
2561	Development of some novel thiazolidine-4-one analogs as potential Ppar- $\Gamma$ agonists for the treatment of type 2 Diabetes: In silico studies, synthesis & biological evaluation	DST-SERB-CRG	Chawla,G., Dr. (F) Professor Jamia Hamdard Mehrauli Badarpur Road, Hamdard Nagar New Delhi - 110 062 Delhi	35.98	36
2562	Development of therapeutic phages to combat drug resistance Stapylococci infection	DST-SERB-CRG	Biswas,M., Dr. (F) Assistant Professor Birla Institute of Technology & Science (Pilani ) K.K. Birla Campus, NH 17, Bypass Road, Sancoale Zuarinagar - 403 726 Goa	40.41	36
2563	Differential role of Sirtuin-1/Map kinase pathway following Cerebral Ischemia in animal model & human samples: Possible therapeutic options	DST-SERB-CRG	Babu,P.P., Prof. (M) Senior Professor Hyderabad University Hyderabad - 500 046 Telangana	42.35	36
2564	Discovery & validation of new epigenetic pathways in the Malaria parasite as targets for drug design	DST-SERB-CRG	Vembar,S.S., Dr. (F) Scientist Institute of Bioinformatics & Applied Biotechnology Electronics City Phase I Bengaluru - 560 100 Karnataka	46.78	36

## BROAD SUBJECT AREA : MEDICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
2565	Early & long term outcomes following minimally invasive single valve (Aortic or Mitral) replacement versus conventional single (Aortic or Mitral) valve replacement - A randomized open label trial	DST-SERB-CRG	Munuswamy,H., Dr. (M) Associate Professor Jawaharlal Institute of P.G. Medical Education & Research Dhanvantari Nagar Puducherry - 605 006 Puducherry	47.41	36
2566	Efficacy evaluation of 3d bioprinted liver constructs established from niche specific bioink & stem cell derived hepatocyte like cells	DST-SERB-CRG	Anilkumar,P.R., Dr. (M) Scientist F Sree Chitra Tirunal Institute for Medical Sciences & Technology Thiruvananthapuram - 695 011 Kerala	47.41	36
2567	Efficacy of a mobile App based screening & brief intervention on alcohol misuses: A state-wide double-blind randomized controlled trial among students	DST-SERB-CRG	Ghosh,A., Dr. (M) Assistant Professor P.G. Institute of Medical Education & Research Madhya Marg, Sector 12 Chandigarh - 160 012 Chandigarh	23.21	36
2568	Elucidating of the role of redox-sensing Transient receptor potential canonical 5 channels (Trpc5) in Diabetic peripheral neuropathy & in Diabetic cardiac autonomic neuropathy using pharmacological approach	DST-SERB-CRG	Sharma,S.S., Prof. (M) National Institute of Pharmaceutical Education & Research Sector 67, S.A.S. Nagar Mohali - 160 062 Punjab	36.96	36
2569	Erythrocytes fatty & composition & lipid, mediators of long chain polyunsaturated fatty acids in sickle cell Anemia - A pilot study on tribes of Madhya Pradesh	DST-SERB-CRG	Jeyakumar,S.M., Dr. (M) Scientist E/Deputy Director ICMR-National Institute for Research in Tuberculosis No.1, Mayor Sathiyamoorthy Road, Chetpet Chennai - 600 031 Tamil Nadu	10.37	24
2570	Evaluating the synergistic efficacy of simultaneous F18 Fet Pet/Mri & hybrid Tc99m Gha spect Ct in post treatment response assessment evaluation (Post surgical resection & post chemoradiotherapy) in cases of glioblastoma & validating with histopathology	DST-SERB-CRG	Nagaraj,C., Dr. (F) Associate Professor National Institute of Mental Health & Neuro Sciences Department of Nuclear Medicine, Hosur Road, Wilson Garden New Delhi - 560 029 Delhi	46.67	36
2571	Evaluation of guar gum B-manno-oligosaccharides based standardized synbiotic mixture for its ability to improve bone health in mice through gut microbiota mediated immunomodulatory mechanisms	DST-SERB-CRG	Sharan,K., Dr. (M) Scientist CSIR-Central Food Technological Research Institute Cheluvamba Mansion, Kajjihundi Mysore - 570 020 Karnataka	47.08	36
2572	Exosomes as innate immune effectors: Understanding the intricate art of immunomodulation by parasite & host cell released exosomes during filarial manifestation of tropical pulmonary eosinophilia	DST-SERB-CRG	Srivastava,M., Dr. (M) Senior Scientist CSIR-Central Drug Research Institute Sector 10, Jankipuram Extension Lucknow - 226 031 Uttar Pradesh	44.87	36
2573	Exploring the potential role of poly (Adp-Ribose) Polymerase (Parp) 6 in the development of hypertension induced cardiomyopathy	DST-SERB-CRG	Asirvathamjeyaraj,N., Dr. (F) Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	50.07	36
2574	Exploring the role of the emoxypine succinate in neuroinflammation induced Alzheimer's disease by suppressing Nlrp3 inflammasome pathway	DST-SERB-CRG	Khurana,G.K., Dr. (F) Associate Professor Narsee Monjee Institute of Management Studies V.L. Mehta Road, Vile Parle West, Juhu Mumbai - 400 056 Maharashtra	29.01	36
2575	Fam21 mediated role of Vps35 (D620n) mutation in microglial senescence: Implications in Parkinson's disease	DST-SERB-CRG	Mir,R.A., Dr. (M) Assistant Professor/Scientist D Kashmir University Hazratbal Srinagar - 190 006 Jammu & Kashmir	51.64	36
2576	Genetics & epigenetics of Gpr (G protein coupled-receptor) signaling network in Glimoa: An integrated computational & experimental biology approach	DST-SERB-CRG	Somasundaram,K., Prof. (M) Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	77.57	36

## BROAD SUBJECT AREA : MEDICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
2577	Genomic insights of azole & terbinafine resistance in clonal trichophyton mentagrophytes/interdigitalis Spp. Complex causing alarming difficult to treat dermatophytosis in north India	DST-SERB-CRG	Chowdhary,A., Prof. (F) Vallabhbhai Patel Chest Institute Vijay Nagar Marg Delhi - 110 007 Delhi	56.89	36
2578	Hippocampal E2, neuronal dysfunctions & sexual dimorphism in adult rats: Effect of chronic arsenic exposure	DST-SERB-CRG	Bandyopadhyay,S., Dr. (F) Principal Scientist CSIR-Indian Institute of Toxicology Research Post Box No. 80, Mahatma Gandhi Marg Lucknow - 226 001 Uttar Pradesh	47.08	36
2579	Identification of aberrant DNA methylation & expression of long non-coding RNAs: Assessing its functional & clinical significance in monoclonal gammopathy of undertermined significance smoldering multiple Myeloma & multiple Myeloma	DST-SERB-CRG	Mehra,N., Dr. (F) Assistant Professor Cancer Institute (WIA) Canal Bank Road, Gandhinagar, Adiyar Chennai - 600 020 Tamil Nadu	69.59	36
2580	Identification of tumor suppressor kinases inactivation by pathogenic genetic variants & analysis of consequential dysregulated signalling in gastric cancer	DST-SERB-CRG	Gopisetty,G., Dr. (M) Professor Cancer Institute (WIA) Canal Bank Road, Gandhinagar, Adyar Chennai - 600 020 Tamil Nadu	64.32	36
2581	In vitro exercise model of hippocampal cells mediated by Atp	DST-SERB-CRG	Dey,C.S., Dr. (M) Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	42.90	36
2582	Injectable nanofibrous carriers as the next generation in situ biomimetic 3d-matrix for cartilage repair	DST-SERB-CRG	Giri,J., Dr. (M) Associate Professor Indian Institute of Technology (Hyderabad) Kandi Village Sangareddy - 502 285 Telangana	34.90	36
2583	Integrated approach for understanding the binding affinity of protein-nucleic acid complexes: Development of database, tools & applications to disease	DST-SERB-CRG	Gromiha,M.M., Dr. (M) Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	38.47	36
2584	Investigating mitochondrial mediated late endosome fission & its implications in neurodegeneration	DST-SERB-CRG	Suresh,S.N., Mr. (M) Fellow Indian Institute of Science Centre for Brain Research, C.V. Raman Road, Sid Complex Bengaluru - 560 012 Karnataka	56.79	36
2585	Investigating role of E2-2 in microglial functions	DST-SERB-CRG	Ghosh,H.S., Dr. (F) Reader F National Centre for Biological Sciences Tata Institute of Fundamental Research, GKVK, Bellary Road Bengaluru - 560 065 Karnataka	58.70	36
2586	Investigation of inflammation-associated micro RNAs in Dengue virus - induced Dengue shock syndrome (Dss) for therapeutic manipulations	DST-SERB-CRG	Kumar,H., Dr. (M) Associate Professor Indian Institute of Science Education & Research (Bhopal) Indore By-Pass Road, Bhauri Bhopal - 462 066 Madhya Pradesh	42.02	36
2587	Kndy/Nnos neurons interplay: A new possible mechanism of GnRH secretion in the adult brain	DST-SERB-CRG	Parkash,J., Dr. (M) Assistant Professor Central University of Punjab D-13, Civil Station Bhatinda - 151 401 Punjab	56.97	36
2588	Mapping signalling pathways by bioactive Lysophosphatidylserine lipids	DST-SERB-CRG	Kamat,S.S., Dr. (M) Associate Professor Indian Institute of Science Education & Research (Pune) Dr. Homi Bhabha Road, Pashan Pune - 411 008 Maharashtra	60.19	36



## BROAD SUBJECT AREA : MEDICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
2589	Micro-spectral histopathology of oral cancer: Towards rapid screening & early detection	DST-SERB-CRG	Lahiri,B., Dr. (M) Assistant Professor Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	29.30	36
2590	Mitochondrial transplantation as a novel strategy to prevent progression of Keratoconus	DST-SERB-CRG	Kowtharapu,B.S., Dr. (M) Scientist L.V. Prasad Eye Institute Kallam Anji Reddy Campus, L.V. Prasad Marg, Banjara Hills Hyderabad - 500 034 Telangana	43.59	36
2591	Modulating macrophage phenotype to inhibit & reverse cardiac muscle calcification	DST-SERB-CRG	Pillai,I., Dr. (F) Assistant Professor Amrita Vishwa Vidyapeetham Amrita School of Biotechnology, Vallikkavu, P.O. Clappana, Amritapuri Kollam - 690 525 Kerala	44.84	36
2592	Neuropathy in alcohol use disorder: A study of prevalence, profile, determinants & pathobiological substrates	DST-SERB-CRG	Nagappa,M., Dr. (F) Additional Professor National Institute of Mental Health & Neuro Sciences Hosur Road, Wilson Garden Bengaluru - 560 029 Karnataka	46.67	36
2593	Neurosteroids & mood disorders: Investigating the role of glucocorticoid system in modulating the effects of finasteride	DST-SERB-CRG	Srikumar,B.N., Dr. (M) Associate Professor National Institute of Mental Health & Neuro Sciences Hosur Road, Lakkasandra, Laljinagar,, Wilson Garden Bengaluru - 560 030 Karnataka	46.27	36
2594	Nir light responsive hybrid cell membrane coated nanosomes for targeted cancer therapeutics	DST-SERB-CRG	Rengan,A.K., Dr. (M) Assistant Professor Indian Institute of Technology (Hyderabad) Kandi Village Sangareddy - 502 285 Telangana	42.49	36
2595	Protein nanoparticles based development of universal Influenza vaccine	DST-SERB-CRG	Kumar,N., Dr. (M) Scientist ICAR-National Institute of High Security Animal Diseases Hathai Kheda Dam Road, Anand Nagar Bhopal - 462 021 Madhya Pradesh	49.51	36
2596	Proteomic approach to understand the pathophysiology & invitro evaluation of macrolides & oxazolidinones against pythium insidiosum	DST-SERB-CRG	Lakshmiathy,D., Dr. (F) Senior Scientist Sankara Nethralaya Medical Research Foundation No. 18, College Road, Nungambakkam Chennai - 600 006 Tamil Nadu	36.88	36
2597	Regulation of activity-dependent synaptic function & plasticity by Azadiradione	DST-SERB-CRG	Jana,N.R., Prof. (M) Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	48.54	36
2598	Role of integrin & Gtpases associated signaling cascades in innate immune cell activation & migration during Sepsis	DST-SERB-CRG	Sarangi,P.P., Dr. (F) Assistant Professor Indian Institute of Technology (Roorkee ) Roorkee-Haridwar Highway Roorkee - 247 667 Uttarakhand	38.32	36
2599	Scrub Typhus: Clinico-epidemiological analysis, humoral immune response & molecular characterization of orientia Tsutsugamushi	DST-SERB-CRG	Saravu,K., Dr. (F) Professor & Head Manipal University Manipal Academy of Higher Education Manipal - 576 104 Karnataka	45.83	36
2600	Semisynthetic histones with defined chemical marks for interrogation of eraser specificity	DST-SERB-CRG	Roy,R.P., Dr. (M) Staff Scientist VII Regional Centre for Biotechnology 3rd Milestone, Faridabad- Gurgazon Expressway Faridabad - 121 001 Haryana	40.73	36
2601	Septo-hippocampo-cortical neurocircuitry interaction in ageing & Alzheimer's mice models: An investigation based on behavioural, physiological & molecular approach	DST-SERB-CRG	Gireesh,G., Dr. (M) Assistant Professor Manipal University Manipal Academy of Higher Education Manipal - 576 104 Karnataka	43.84	36

## BROAD SUBJECT AREA : MEDICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
2602	Sexual dimorphism in the shape of the human premolars & molars: A 3d geomorphometric analysis	DST-SERB-CRG	Natarajan,S., Dr. (M) Professor Manipal University Manipal College of Dental Sciences, Light House Hill Road Mangalore - 575 001 Karnataka	2.75	36
2603	Sphingolipid as mediator in the interface of microbiome & host: Implication in gut pathology	DST-SERB-CRG	Bhaumik,M., Dr. (F) Scientist C ICMR-National Institute of Cholera & Enteric Diseases P-33, C.I.T. Road, Scheme Xm, Beliaghata Kolkata - 700 010 West Bengal	17.28	36
2604	Stem cell models to study the interplay between Dnmts & Hdacs in Schizophrenia	DST-SERB-CRG	Kommu,N., Dr. (M) Associate Professor Birla Institute of Technology & Science (Pilani ) Shamirpet-Keesara Road, Jawahar Nagar, Shameerpet Hyderabad - 500 078 Telangana	55.58	36
2605	Strategic systems biology & metabolic pathways approach to develop nanocarriers for targeted drug delivery	DST-SERB-CRG	Jha,A.N., Dr. (M) Assistant Professor Tezpur University Napaam Tezpur - 784 028 Assam	26.03	36
2606	Study of complexities of genomic & chromosomal abnormalities in couples & in products of conception from recurrent pregnancy loss	DST-SERB-CRG	Srivastava,P., Dr. (F) Assistant Professor P.G. Institute of Medical Education & Research Madhya Marg, Sector 12 Chandigarh - 160 012 Chandigarh	35.02	36
2607	Synthesis of novel coumarin-based lignans targeting pro-inflammatory cytokines for the treatment of chronic kidney diseases	DST-SERB-CRG	Begum,S.A., Dr. (F) Associate Professor Birla Institute of Technology & Science (Pilani ) Shamirpet-Keesara Road, Jawahar Nagar, Shameerpet Hyderabad - 500 078 Telangana	33.92	36
2608	Targeting chemosensory proteins to disrupt feeding behaviour & insecticide resistance tolerance in Indian Malarial vectors	DST-SERB-CRG	Dixit,R., Dr. (M) Scientist D ICMR-National Institute of Malaria Research Sector 8, Dwarka New Delhi - 110 077 Delhi	39.87	36
2609	The neurophysiological pathways of Emesis in Drosophila melanogaster	DST-SERB-CRG	Das,G., Dr. (M) Scientist D National Centre for Cell Sciences Pune University Campus, Ganeshkhind Pune - 411 007 Maharashtra	44.96	36
2610	The role of Cyclin M1 (Cnnm1) in the fate determination of Primordial germ cells (Pgcs) in embryonic & neonatal testes of mouse	DST-SERB-CRG	Kumar,P.G., Dr. (M) Scientist G Rajiv Gandhi Centre for Biotechnology Melarannoor Road, Poojapura, Thycaud Thiruvananthapuram - 695 014 Kerala	33.18	24
2611	The steroid sensitizing role of Rxr-Gamma, a nuclear receptor, in the pathogenesis of emphysema	DST-SERB-CRG	Mabalirajan,U., Dr. (M) Senior Scientist CSIR-Indian Institute of Chemical Biology 4, Raja S.C. Mullick Road, Jadavpur Kolkata - 500 007 West Bengal	28.29	36
2612	Therapeutic potential of novel dual receptor acting designer peptide Npa7 in hypertension & associated renal complications	DST-SERB-CRG	Dhar,A., Dr. (F) Associate Professor Birla Institute of Technology & Science (Pilani ) Shamirpet-Keesara Road, Jawahar Nagar, Shameerpet Hyderabad - 500 078 Telangana	35.89	36
2613	To evoke transplanted stem cell survival against Ischemic/reperfusion injury through pharmacological preconditioning with phosphodiesterase inhibitors	DST-SERB-CRG	Kumar,S., Dr. (M) Associate Professor & HOD All India Institute of Medical Sciences Mandi Dabwali Road Bhatinda - 151 001 Punjab	40.29	36

## BROAD SUBJECT AREA : MEDICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
2614	To identify the role of genetic & epigenetic alterations in epidermal Keratinocytes in the pathogenesis of Psoriasis	DST-SERB-CRG	Chatterjee,R., Dr. (M) Associate Professor Indian Statistical Institute 203, Barrackpore Trunk Road Kolkata - 700 108 West Bengal	66.75	36
2615	Uncovering the role of exosome mirnome in regulation of Non alcoholic fatty liver disease (Nafld) & Non alcoholic steatohepatitis (Nash)	DST-SERB-CRG	Mishra,D.P., Dr. (M) Sr. Principal Scientist CSIR-Central Drug Research Institute Sector 10, Jankipuram Extension, Sitapur Road Lucknow - 226 031 Uttar Pradesh	37.26	36
2616	Vitamin D status & Vdr gene polymorphism in the prognosis of urolithiasis: A case-control study from Manipur, India	DST-SERB-CRG	Meitei,Y.S., Dr. (M) Assistant Professor Manipur University Canchipur Imphal - 795 003 Manipur	28.86	36
2617	Zbtb10: A potential trigger for dendritic cell immune responses	DST-SERB-CRG	Raghav,S.K., Dr. (M) Scientist E Institute of Life Sciences Nalco Nagar, Chandrasekharpur Bhubaneswar - 751 024 Odisha	67.23	36
2618	Aerosolized smart nanocomposites for the treatment of drug resistant Tuberculosis	DST-SERB-EMEQ	Singh,C., Dr. (M) Associate Professor I.S.F. College of Pharmacy NH 95, Ghal Kalan Moga - 142 001 Punjab	37.54	36
2619	Biomimetic 3d bilayered scaffold: Implications on cutaneous wound healing	DST-SERB-EMEQ	Lakra,R., Dr. (F) Senior Scientist CSIR-Central Leather Research Institute Sardar Patel Road Chennai - 600 020 Tamil Nadu	24.19	36
2620	Citric acid induced self-assemble bubble carrier system to enhance the oral bioavailability of poorly aqueous soluble drugs	DST-SERB-EMEQ	Lal,S.M., Dr. (M) Scientist C Institute of Nano Science & Technology Phase 10, Sector 64 Mohali - 140 306 Punjab	47.09	36
2621	Common & distinct functional brain networks in evaluation of brain-behavior relationship in Epilepsy, Psychogenic non-epileptic seizure (Pnes), Psychogenic movement disorders (Pmd) & depression: A Fmri study	DST-SERB-EMEQ	Raghavendra,K., Dr. (M) Assistant Professor National Institute of Mental Health & Neuro Sciences Hosur Road, Lakkasandra, Laljinagar, Wilson Garden Bengaluru - 560 029 Karnataka	30.00	36
2622	Development of dendrimer based virotherapy & immunomodulation for breast cancer treatment	DST-SERB-EMEQ	Jeyaraj,M., Dr. (M) Assistant Professor Madras University Chepauk Campus, Triplicane Chennai - 600 005 Tamil Nadu	46.89	36
2623	Expression profiling & validation of novel circulatory micro RNAs involved in progression to Diabetic Nephropathy in type 2 Diabetes	DST-SERB-EMEQ	Bhatti,J.S., Dr. (M) Associate Professor & Head Central University of Punjab D-13, Civil Station Bhatinda - 151 401 Punjab	50.51	36
2624	Genetic predisposition to methylglyoxal (Mgo) toxicity & its association with targeted metabolites & glyco-oxidative stress in diabetic nephropathy	DST-SERB-EMEQ	Karpagaselvi,M.N., Dr. (F) Assistant Professor All India Institute of Medical Sciences Basni Industrial Area, Phase 2 Jodhpur - 342 001 Rajasthan	38.33	36
2625	Identify the DNA adduct & associated metabolic alterations in upper aerodigestive tract cancer with smokeless tobacco chewers in the northeast region of India: A metabolomics approach	DST-SERB-EMEQ	Borkar,R.M., Dr. (M) Assistant Professor National Institute of Pharmaceutical Education & Research Institute of Pharmacy, Guwahati Medical College & Hospital Guwahati - 781 101 Assam	37.36	36

## BROAD SUBJECT AREA : MEDICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
2626	Investigating role of Translationally controlled tumor protein (Tctp) in lymphoid Leukemogenesis & reversion - towards an alternative approach to the battle against Paediatric Leukemia	DST-SERB-EMEQ	Saha,S., Dr. (F) Assistant Professor Stage II Presidency University 86/1, College Street Kolkata - 700 073 West Bengal	46.32	36
2627	Regulation of crosstalk between Emt pathways & pathways maintaining Anoikis resistant Cscs in triple negative breast cancer by exosome mediated co-delivery of 3,3-Diindolylmethane (Dim) & Doxorubicin (Dox)	DST-SERB-EMEQ	Hajra,S., Dr. (M) Sr. Scientific Officer Chittaranjan National Cancer Institute 37, S.P. Mukherjee Road Kolkata - 700 026 West Bengal	34.15	36
2628	Role of extra domain a fibronectin in Diabetes associated arterial Thrombosis: A real-time intravital approach	DST-SERB-EMEQ	Prakash,P., Dr. (M) Assistant Professor Jamia Hamdard Mehrauli Badarpur Road, Hamdard Nagar New Delhi - 110 062 Delhi	46.50	36
2629	Role of oligodendrocytes in the pathophysiology of sporadic amyotrophic lateral sclerosis: An in-vitro study on patient derived induced Pluripotent stem cells	DST-SERB-EMEQ	Vijayalakshmi,K., Dr. (F) Associate Professor National Institute of Mental Health & Neuro Sciences Hosur Road, Lakkasandra, Laljinagar, Wilson Garden Bengaluru - 560 029 Karnataka	42.79	36
2630	Rotavirus Nsp1 degrades Interferon receptors (Ifnrs) through A Pkr-dependent pathway	DST-SERB-EMEQ	Namsa,N.D., Dr. (M) Assistant Professor Tezpur University Napaam Tezpur - 784 028 Assam	50.51	36
2631	Studies on therapeutic aspects of nucleic acid aptamer-grafted-rgd receptor targeted theranostic chitosan-plga nanoparticles for brain cancer diagnosis & treatment	DST-SERB-EMEQ	Singh,R.P., Dr. (M) Assistant Professor G.D. Goenka University Sohna Road Gurgaon - 122 001 Haryana	41.00	36
2632	Study of Hur mediated metabolic changes in Triple negative breast cancer (Tnbc)	DST-SERB-EMEQ	Prasad,C.P., Dr. (M) Assistant Professor All India Institute of Medical Sciences Ansari Nagar New Delhi - 110 029 Delhi	44.85	36
2633	Epitranscriptomics of N6-Methyl Adenosine (M6a) occupied mRNAs in hypoxia-induced retinal endothelial cells: Impications in intraocular vascular diseases	DST-SERB-POWER	Ramasubramanyan,S., Dr. (F) Associate Professor Vision Research Foundation No 18/41, College Road, Nungambakkam Chennai - 600 006 Tamil Nadu	29.93	36
2634	Analysis the role of extracellular vesicles (Exosomes) in drug-tolerant persister cells & its contribution to cancer-initiating cells in breast cancer	DST-SERB-SRG	Guru,S.K., Dr. (M) Assistant Professor National Institute of Pharmaceutical Education & Research NH 9, Balanagar Hyderabad - 500 037 Telangana	21.89	24
2635	Cell-type specific mechanisms of cytokinesis & targeting septins against cancer	DST-SERB-SRG	Menon,M.B., Dr. (M) Assistant Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	23.21	24
2636	Chromatin regulation of human cortical development by Lsd1 & its role in intellectual disability	DST-SERB-SRG	Muralidharan,B., Dr. (F) Institute for Stem Cell Biology & Regenerative Medicine National Centre for Biological Sciences, Tata Institute of Fundamental Research, Bellary Road	27.78	24
2637	Deciphering the functional link between ubiquitine proteasome pathway & xenophagy: Role of Pe_Pgrs protein family of Mycobacterium Tuberculosis	DST-SERB-SRG	Sheikh,J.A., Dr. (M) Assistant Professor Jamia Hamdard Badarpur Road, Hamdard Nagar New Delhi - 110 062 Delhi	26.29	24

## BROAD SUBJECT AREA : MEDICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
2638	Deciphering the role of the Ajoene on Mycobacterium Tuberculosis persistence generated in biofilm & development of neo-therapeutic strategy by combination of conventional antibiotics & Ajoene to combat Tuberculosis infection	DST-SERB-SRG	Bhattacharya,D., Dr. (M) Assistant Professor Siksha O Anusandhan University 15, Khandagiri Marg, Dharam Vihar, Jaagamara Bhubaneswar - 751 030 Odisha	23.99	24
2639	Design & fabrication of 3d printed gold nanorods loaded vascularized conducting starch composite-based cardiac patch-an attempt to make an indigenous engineered cardiac patch	DST-SERB-SRG	Palaniappan,A., Dr. (M) Assistant Professor Vellore Institute of Technology University Tiruvalem Road, Katpadi Vellore - 632 014 Tamil Nadu	27.37	24
2640	Design of biosensor kit for the detection of creatinine (kidney biomarker) using nanotechnological approaches	DST-SERB-SRG	Babu,P.J., Dr. (M) Assistant Professor Pachhunga University College College Veng Aizawal - 796 001 Mizoram	24.49	24
2641	Developing novel targeted therapeutics for T(8;21) Acute myeloid leucemia (Aml)	DST-SERB-SRG	Mandoli,A., Dr. (M) Assistant Professor National Institute of Pharmaceutical Education & Research C/o B.V. Patel Perd Centre, Someshwar Park-3, Thaltej Ahmedabad - 382 355 Gujarat	28.92	24
2642	Development fo time-resolved Cryo-Em technique & its application on biomolecular reaction	DST-SERB-SRG	Kaledhonkar,S.L., Dr. (M) Assistant Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	26.05	24
2643	Development of a low-cost, 3rd-printable osteoadhesive with versatile applications in orthopaedic surgery	DST-SERB-SRG	Poundarik,A.A., Dr. (M) Assistant Professor Indian Institute of Technology (Ropar) Nangal Road, Hussainpur Rupnagar - 140 001 Punjab	31.13	24
2644	Development of an anti-sore bed for neonates	DST-SERB-SRG	Sahani,A.K., Dr. (M) Assistant Professor Indian Institute of Technology (Ropar) Nangal Road, Hussainpur Rupnagar - 140 001 Punjab	24.26	24
2645	Development of high precision & high throughput screening platforms to identify novel anti-cancer & anti-microbial compounds from plant sources	DST-SERB-SRG	Kandaswamy,K., Dr. (M) Assistant Professor Kumaraguru College of Technology Chinnavedampatti Coimbatore - 641 049 Tamil Nadu	33.00	24
2646	Development of modified glass-ionomer cement to improve mechanical properties	DST-SERB-SRG	Manju,S., Dr. (F) Scientist D Sree Chitra Tirunal Institute for Medical Sciences & Technology Thiruvananthapuram - 695 011 Kerala	24.15	24
2647	Effects of Non-steroidal anti-inflammatory drugs (Nsaids) on the Gut microbiome & host immune responses	DST-SERB-SRG	Tripathi,P., Dr. (M) Senior Scientist CSIR-Indian Institute of Toxicology Research Mahatma Gandhi Marg, Post Box No.80 Lucknow - 226 001 Uttar Pradesh	29.15	24
2648	Elucidating the consequences of perinatal exposure to Phthalates on Adipose tissue function & whole body metabolic physiology	DST-SERB-SRG	Gupta,S., Dr. (M) Assistant Professor Banaras Hindu University Pandit Madan Mohan Malaviya Road Varanasi - 221 005 Uttar Pradesh	28.85	24
2649	Elucidating the role of epitranscriptome associated RNA processing in kidney tissue homeostasis	DST-SERB-SRG	Bharathavikru,R., Dr. (F) Assistant Professor Indian Institute of Science Education & Research (Berhampur) Government ITI Building, Engineering School Junction Berhampur - 760 010 Odisha	25.20	24

BROAD SUBJECT AREA : MEDICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
2650	Evaluation of mitochondrial dynamics mediator proteins Drp1, Opal 1 & mitophagy regulator Pink1 as potential therapeutic targets in signalling pathways that alter mitochondrial metabolism associated with cancer cell proliferation	DST-SERB-SRG	De,R., Dr. (M) Assistant Professor Amity University Major Arterial Road, Action Area II, Kadampukur Villegge, Rajarhat, New Town Kolkata - 700 135 West Bengal	25.18	24
2651	Hierarchical & recyclable carbon nanostructures: Stepping stone for breath sensor	DST-SERB-SRG	Bhunja,S.K., Dr. (M) Assistant Professor Vellore Institute of Technology University Tiruvalam Road, Katpadi Vellore - 632 014 Tamil Nadu	26.84	24
2652	Identify immune checkpoint molecules to improve patient treatment & promote long term immunity in Human Visceral Leishmaniasis	DST-SERB-SRG	Singh,O.P., Dr. (M) Assistant Professor Banaras Hindu University Pandit Madnan Mohan Malaviya Road Varanasi - 221 005 Uttar Pradesh	31.82	24
2653	Influence of sleep quality on naturalistic decision making	DST-SERB-SRG	Ramakrishnan,A., Dr. (M) Assistant Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	29.81	24
2654	Mesenchymal stem cell - derived exosomes for corneal repair, regeneration & immunomodulation: A step towards cell-free therapy	DST-SERB-SRG	Shukla,S., Dr. (M) Research Scientist L.V. Prasad Eye Institute Kallam Anji Reddy Campus, Banjara Hills, L.V. Prasad Marg Hyderabad - 500 034 Telangana	29.51	24
2655	Molecular & biochemical characterization of amastigote specific proteases involved in late stage infection & dissemination of drug resistant & sensitive clinical Leishmani Donovanii isolates	DST-SERB-SRG	Mukherjee,B., Dr. (M) Assistant Professor Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	27.05	24
2656	Molecular basis of sarcomere disassembly during vertebrate aging	DST-SERB-SRG	Ahuja,G., Dr. (M) Assistant Professor Indraprastha Institute of Information Technology Okhla Industrial Estate, Phase III New Delhi - 110 020 Delhi	32.04	24
2657	Regulation of translation initiation during T-Helper cell differentiation	DST-SERB-SRG	Khare,S.P., Dr. (M) Assistant Professor Symbiosis International University Lavale, Mulshi Pune - 412 115 Maharashtra	31.66	24
2658	Sonodynamic therapy for localized bacterial infections	DST-SERB-SRG	Shekhar,H., Dr. (M) Assistant Professor Indian Institute of Technology (Gandhinagar) Vishwakarma Government Engineering College Campus, Chandkheda Ahmedabad - 382 424 Gujarat	28.96	24
2659	Systemic exploration of quorum sensing regulated bacterial pigments against antimicrobial responsiveness for developing novel translational alternative to combat antibiotic resistance	DST-SERB-SRG	Bhattacharya,A., Dr. (M) Associate Professor Adamas University Barasat-Barrackpore Road, 24, Parganas North, Jagannathpur Kolkata - 700 126 West Bengal	25.50	24
2660	Targeting spinal cord injury-induced Trpv4 expression with specialized pro-resolving mediator maresin-1	DST-SERB-SRG	Kumar,H., Dr. (M) Assistant Professor National Institute of Pharmaceutical Education & Research C/o B.V. Patel Perd Centre, Sarkhej Gandhinagar Highway, Someshwar Park 3, Thaltej Ahmedabad - 382 355 Gujarat	26.21	24

## BROAD SUBJECT AREA : MEDICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
2661	The next generation piezoelectric radiopaque agent for high strength & osteoconductive bone cement	DST-SERB-SRG	Kapusetti,G., Dr. (M) Assistant Professor National Institute of Pharmaceutical Education & Research C/o B.V. Patel Perd Centre, Sarkhej-Gandhinagar Highway, Someshwar Park-3, Thaltej Ahmedabad - 382 355 Gujarat	25.66	24
2662	Transcriptome analysis of blood cells & skin biopsies from healthy control, VI & Pkd1 cases to identify Pkd1 specific biomarker & disease mechanism	DST-SERB-SRG	Sen,A., Dr. (M) Scientist D Rajendra Memorial Research Institute of Medical Sciences Agamkuan Patna - 800 007 Bihar	28.83	24
2663	Tumour microbiota in breast cancer: Implications on pharmacogenomics of anti-cancer drugs	DST-SERB-SRG	Velmurugan,G., Dr. (M) Scientist Krnch Research Foundation Medical Centre & Hospital, Avinashi Road, Post Civil Aerodrome Coimbatore - 641 014 Tamil Nadu	21.29	24
2664	Understanding the molecular basis of Mef2d-rearranged oncogenic fusion proteins in leukemogenesis	DST-SERB-SRG	Singh,K., Dr. (M) Assistant Professor Sanjay Gandhi P.G. Institute of Medical Sciences Raebareilly Road Lucknow - 226 014 Uttar Pradesh	28.47	24
2665	Development & evaluation of a women centric comprehensive weight management module	DST-WS	Ranjan,P., Dr. (M) Additional Professor All India Institute of Medical Sciences Ansari Nagar New Delhi - 110 029 Delhi	34.29	36
2666	Providing mental health support in obgyn settings	DST-WS	Chahar,B., Dr. (F) Associate Professor Manipal University Department of Business Administration, Dehmi Kalan, Off Jaipur-Ajmer Expressway Jaipur - 303 007 Rajasthan	11.85	36
2667	A comparative study of Dilapan-S & Foley balloon in pre induction ripening of cervix	ICMR-ADHOC	Leela,K.P., Ms. (F) Assistant Professor P.S.G. Institute of Medical Sciences & Research Coimbatore - 641 004 Tamil Nadu	0.29	24
2668	A cross sectional investigation into the possible association between porphyromonas gingivalis strains isolated from the oral microbiome & oro-oesophageal cancer patients by MALDI-TOF MS & AP-PCR	ICMR-ADHOC	Gupta,S., Dr. (F) Postgraduate Institute of Medical Education & Research Chandigarh - 160 012 Chandigarh	17.10	36
2669	A cross sectional study to find out prevalence of acute Rheumatic fever & Rheumatic heart disease in children of Patna, Bihar	ICMR-ADHOC	Prasad,A., Mr. (M) All India Institute of Medical Sciences Patna - 801 507 Bihar	22.94	36
2670	A multicentric study on Systemic Lupus Erythematosus (SLE) from the north eastern region of India: Early diagnosis to research potential for understanding disease pathogenesis	ICMR-ADHOC	Pradhan,V.D., Dr. (F) Scientist D ICMR-National Institute of Immunohaematology Mumbai - 400 012 Maharashtra	88.50	36
2671	A novel design strategy & evaluation of inhibitors that target global PPI network of Gankyrin	ICMR-ADHOC	Venkatraman,P., Mr. (M) Tata Memorial Centre Advanced Centre for Treatment, Research & Education in Cancer Mumbai - 410 210 Maharashtra	47.24	36

## BROAD SUBJECT AREA : MEDICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
2672	A paper based analytical tool for the detection of N-acetyl-beta-D-glucosaminidase biomarker & creatinine in urine for the diagnosis of kidney diseases due to occupational exposure to nephrotoxic agents	ICMR-ADHOC	Muhamed,J., Dr. (M) ICMR-Regional Occupational Health Centre Kannamangala - 562 110 Karnataka	6.50	24
2673	A pilot parallel ARM randomized control trial evaluating the impact of yoga intervention in treating post traumatic limb fractures which develop Complex Regional Pain Syndrome (CRPS I) & assessment of their quality of life	ICMR-ADHOC	Sharma,V., Mr. (M) All India Institute of Medical Sciences New Delhi - 110 029 Delhi	21.11	36
2674	A pilot study for evaluation of 15 Copy Number Variants (CNVs) among schizophrenia patients from India	ICMR-ADHOC	Kommu,N.M., Dr. (M) Birla Institute of Technology & Science (Pilani ) Pilani - 333 031 Rajasthan	14.70	36
2675	A preliminary study to find out the relationship between the uptake of 68Ga-DOTA-TATE PET/CT & FDG PET/CT with biochemical markers, proliferative index, various genetic mutations & response to therapy in patients with Pheochromocytoma & Paragangliom	ICMR-ADHOC	Walia,R., Ms. (F) Postgraduate Institute of Medical Education & Research Chandigarh - 160 012 Chandigarh	13.96	36
2676	A prospective cohort study on Cerebro-Spinal Fluid (CSF) diversion catheter-related infections in a tertiary referral neurosurgical care center	ICMR-ADHOC	Ponnambath,D.K., Dr. (M) Assistant Professor Sree Chitra Tirunal Institute for Medical Sciences & Technology Thiruvananthapuram - 695 011 Kerala	7.10	24
2677	A proteomic investigation to identify & characterize differentially expressed albuminome to predict early mortality in Acute on Chronic Liver Failure (ACLF) & Acute Liver Failure (ALF) by using high resolution mass spectrometry	ICMR-ADHOC	Maras,J.S., Dr. (M) Institute of Liver & Biliary Sciences New Delhi - 110 070 Delhi	66.78	36
2678	Adipocyte derived extracellular vesicles activate hepatic stellate cells mediated by SREBP cleavage-activating protein	ICMR-ADHOC	Perumal,M.K., Dr. (M) CSIR-Central Drug Research Institute Lucknow - 226 031 Uttar Pradesh	23.73	36
2679	Adipose tissue- $\alpha$ 2 cell axis in the pathophysiology of non-obese type 2 diabetes: Role of Adipokines	ICMR-ADHOC	Chakrabarti,P., Dr. (M) CSIR-Indian Institute of Chemical Biology Kolkata - 700 032 West Bengal	24.56	24
2680	An explorative study to assess the arsenic, iron & fluoride contents of drinking water in entire state of Tripura	ICMR-ADHOC	Baidya,S., Dr. (F) Agartala Government Medical College Agartala - 799 006 Tripura	4.93	24
2681	Analogue of prothrombin time: Identification & assay development of novel non-invasive & surrogate indicator of blood coagulopathy	ICMR-ADHOC	Gupta,A., Dr. (M) Additional Professor Centre of Biomedical Research Lucknow - 226 014 Uttar Pradesh	13.57	36
2682	Analysis & evaluation of ergosterol & its derivatives as agonists of LXRs & their anticancer potential in colorectal cancer	ICMR-ADHOC	Agnihotri,N., Dr. (M) Panjab University Chandigarh - 160 014 Chandigarh	16.03	24
2683	Analysis of Pax9 methylation in oral carcinogenesis & its reactivation leading to lethal autophagy for potential cancer therapeutics	ICMR-ADHOC	Bhulia,S.K., Dr. (M) International Institute of Information Technology Hyderabad - 500 032 Telangana	20.34	36
2684	Apoptosis Antagonizing Transcription Factor (AATF): A novel oncogenic driver in hepatocellular carcinoma	ICMR-ADHOC	Kumar,D.P., Dr. (F) Assistant Professor J.S.S. Medical College Mysore - 570 015 Karnataka	9.88	36



## BROAD SUBJECT AREA : MEDICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
2685	Aptamer engineered smart multifunctional dendrimer-BSA nano-architectures targeting stem cell marker CD133 for triple-negative breast cancer therapy	ICMR-ADHOC	Kesharwani,P., Dr. (M) Jamia Hamdard New Delhi - 110 062 Delhi	20.66	36
2686	Artificial neural network model based on geographical information system for predicting spatial distribution of cancer incidence in south Kerala	ICMR-ADHOC	George,P.S., Dr. (F) Additional Professor Regional Cancer Centre Thiruvananthapuram - 695 011 Kerala	19.23	36
2687	Assessment of blood Thiamine level in infants presenting with cardiac failure & or encephalopathy or both: A hospital based cross sectional study in north east India	ICMR-ADHOC	Debbarma,R., Dr. (M) Associate Professor Agartala Government Medical College Agartala - 799 006 Tripura	16.95	36
2688	Association between PITX2, GATA-4 SNP polymorphisms & atrial fibrillation in young adult population- Observational study	ICMR-ADHOC	Sambandam,R., Dr. (M) Aarupadai Veedu Medical College Puducherry - 607 402 Puducherry	8.73	24
2689	Autophagy as a target for therapy in ovarian cancer: A phase II randomized trial with biomarker correlation	ICMR-ADHOC	Ganesan,P., Dr. (M) Jawaharlal Institute of P.G. Medical Education & Research Puducherry - 605 006 Puducherry	17.31	36
2690	Biomarker identification in anaplastic astrocytoma - A transcriptome profiling based approach	ICMR-ADHOC	Santosh,V., Ms. (F) National Institute of Mental Health & Neuro Sciences Bengaluru - 560 029 Karnataka	16.98	36
2691	Blood endotyping to identify the unique immune hallmarks of T cell lymphoma for targeted therapeutics	ICMR-ADHOC	Purwar,R., Dr. (M) Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	21.00	36
2692	Bone marrow microenvironment in disease progression & therapy resistance in chronic myeloid leukemia	ICMR-ADHOC	Basu,D., Mr. (M) Jawaharlal Institute of P.G. Medical Education & Research Puducherry - 605 006 Puducherry	23.98	36
2693	Clinical validation of synergistic effect of Vardhamana Pippali Rasayana along with conventional treatment after unraveling its mechanism of action in Breast cancer: From experimental model to clinical trial	ICMR-ADHOC	Gupta,S., Mr. (M) All India Institute of Medical Sciences New Delhi - 110 029 Delhi	28.06	36
2694	Clinical, genetic & epigenetic (miRNA) determinants of survival in amyotrophic lateral sclerosis	ICMR-ADHOC	Taneja,V., Dr. (F) Sir Ganga Ram Hospital New Delhi - 110 060 Delhi	58.38	36
2695	Clinically relevant novel natural antibacterial & anticancer metabolites from rare actinomycetes	ICMR-ADHOC	Sharmilis,A., Ms. (F) Stella Maris College Chennai - 600 086 Tamil Nadu	20.23	36
2696	Combating cancer through alternative approaches: Investigating the antitumor properties of non-typhoidal salmonella in transgenic zebrafish cancer models	ICMR-ADHOC	Chakraborty,A., Mr. (M) Nitte University Centre for Science Education & Research Mangalore - 575 018 Karnataka	31.18	36
2697	Community based survey to measure the prevalence of chronic pulmonary aspergillosis in patients with treated pulmonary tuberculosis	ICMR-ADHOC	Seghal,I.S., Dr. (M) Postgraduate Institute of Medical Education & Research Chandigarh - 160 012 Chandigarh	23.01	24

## BROAD SUBJECT AREA : MEDICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
2698	Comparative analysis of host immune responses in symptomatic & recovered cases of Kyasanur forest disease	ICMR-ADHOC	Kaushal,H., Dr. (M) Scientist C ICMR-National Institute of Virology Pune - 411 001 Maharashtra	12.39	36
2699	Comparative analysis of the activation of EGFR/MAPK/SHH/NFKB pathways & mutation status of USP8/USP48/BRAF genes in clinically functioning & silent corticotroph pituitary adenomas to identify pharmacological targets for medical management..	ICMR-ADHOC	Nambirajan,A., Dr. (F) Assistant Professor All India Institute of Medical Sciences New Delhi - 110 029 Delhi	20.70	24
2700	Comparative efficacy of antidepressant augmentation with amantadine vs pramipexole vs quetiapine in treatment-resistant unipolar depression: A randomized controlled trial	ICMR-ADHOC	Mishra,B.R., Dr. (M) All India Institute of Medical Sciences Bhubaneswar - 751 019 Odisha	2.58	36
2701	Comparative evaluation of genetic & cytokines profile in as match Indian subjects with & without knee osteoarthritis: A follow up study	ICMR-ADHOC	Garg,B., Dr. (M) All India Institute of Medical Sciences New Delhi - 110 029 Delhi	66.37	36
2702	Comparative study of Neutrophil Gelatinase Associated Lipocalin (NGAL) serum levels between gestational diabetes mellitus & normal pregnancy & its correlation with Tumour Necrosis Factor- ? (TNF- ?) In a tertiary care hospital of north east India	ICMR-ADHOC	Goswami,B., Dr. (M) Agartala Government Medical College Agartala - 799 006 Tripura	10.14	24
2703	Comparison of the efficacy of Hand Arm Bimanual Intensive Therapy (HABIT) versus modified Constraint Induced Movement Therapy (mCIMT) in children with hemiparetic cerebral palsy aged 5-18 years: An open labelled randomized controlled trial	ICMR-ADHOC	Panda,P.K., Dr. (M) Assistant Professor All India Institute of Medical Sciences Rishikesh - 249 203 Uttarakhand	1.29	36
2704	Compartmentalized particles as a multiple drug delivery kit for efficient management of Parkinson's Disease (PD)	ICMR-ADHOC	Saha,S., Dr. (M) Indian Institute of Technology (Delhi) New Delhi - 110 016 Delhi	13.22	24
2705	Comprehensive biological evaluation of different drug-loaded surface engineered dendrimer conjugates for treatment of cancer	ICMR-ADHOC	Jain,K., Dr. (F) Delhi Institute of Pharmaceutical Sciences & Research New Delhi - 110 017 Delhi	17.40	36
2706	Comprehensive physical stroke rehabilitation & stroke outcome: Systematic review & meta-analysis	ICMR-ADHOC	Gulati,A., Dr. (F) All India Institute of Medical Sciences New Delhi - 110 029 Delhi	5.01	24
2707	Computational approaches for pharmacovigilance: An integrated & semantically-enriched frameworks lab development & new anti-diabetic drugs ADR signal detection using FAERS tool	ICMR-ADHOC	Bansal,D., Dr. (F) National Institute of Pharmaceutical Education & Research Mohali - 160 062 Punjab	17.71	36
2708	Conjoined positive correlation inhibition of EGFR & DYRK1A using new small molecules: A novel strategy	ICMR-ADHOC	Yar,M.S., Dr. (M) All India Institute of Medical Sciences Mangalagiri - 522 503 Andhra Pradesh	6.04	36
2709	Deciphering the role of HMGB1 in modulating therapy-resistance in glioblastoma via metabolic alteration	ICMR-ADHOC	Mandal,M., Dr. (M) Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	36.58	36

## BROAD SUBJECT AREA : MEDICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
2710	Deciphering the role of micro plastics in progression of Chronic Kidney Disease (CKD) of unknown etiology	ICMR-ADHOC	Srivastava,V., Dr. (M) CSIR-Central Drug Research Institute Lucknow - 226 031 Uttar Pradesh	27.84	36
2711	Deciphering? B-others-acute lymphoblastic leukemia?: A prospective cytogenetic & molecular study for identification & evaluation of predictive prognostic markers	ICMR-ADHOC	Shetty,D.L., Dr. (F) Scientific Officer Tata Memorial Centre Advanced Centre for Treatment, Research & Education in Cancer Mumbai - 400 012 Maharashtra	17.63	36
2712	Deep learning assessment for identification of novel diagnostic & prognostic biomarkers for prediction of diabetic retinopathy in northeast population	ICMR-ADHOC	Adela,R., Dr. (M) National Institute of Pharmaceutical Education & Research Guwahati - 781 101 Assam	31.77	36
2713	Design & synthesis of novel fourth generation EGFR inhibitors selectively targeting triple mutant L858R/T790m/C797S mutation for non-small cell lung cancer: A mitochondria target imaging & photodynamic approach	ICMR-ADHOC	Swamy,G.B., Dr. (M) Acharya & B.M. Reddy College of Pharmacy Bengaluru - 560 090 Karnataka	7.33	36
2714	Design, synthesis & biological evaluation of new GSK3? Inhibitors as promising therapeutic agents for treating Traumatic brain injury & consequent neuronal degenerative diseases	ICMR-ADHOC	Nanduri,S., Dr. (M) National Institute of Pharmaceutical Education & Research Mohali - 160 062 Punjab	25.84	36
2715	Developing a model for real time analgesia for drug delivery by assessing nociceptive chemical mediators..	ICMR-ADHOC	Salins,N., Dr. (M) Professor & Head Kasturba Medical College Manipal - 576 104 Karnataka	7.66	36
2716	Development & assessment of P-32-labelled arabinogalactan & Cu-64-labelled arabinogalactan for asialoglycoprotein receptor directed therapy of hepatocellular carcinoma	ICMR-ADHOC	Bharti,S., Dr. (M) Manipal Institute of Technology Manipal - 576 104 Karnataka	24.12	36
2717	Development & evaluation of a recombinase polymerase amplification-Lateral flow assay for rapid detection of Burkholderia pseudomallei	ICMR-ADHOC	Behera,B., Dr. (F) Additional Professor All India Institute of Medical Sciences Bhubaneswar - 751 019 Odisha	15.09	36
2718	Development of a combination next generation Outer Membrane Vesicles (OMVs) based immunogen to reduce multi drug resistant non-typhoidal salmonella & campylobacter mediated clinical health burden	ICMR-ADHOC	Koley,H., Dr. (M) ICMR-National Institute of Cholera & Enteric Diseases Kolkata - 700 010 West Bengal	18.71	36
2719	Development of a comprehensive strategy to control scrub typhus: A demonstration project in a tribal district of Odisha	ICMR-ADHOC	Bal,M., Dr. (F) Scientist D ICMR-Regional Medical Research Centre Bhubaneswar - 751 023 Odisha	35.17	36
2720	Development of a minimally invasive-multi-target diagnostic platform (min-multidx) for extra pulmonary tuberculosis using a circulating cell-free DNA-based approach	ICMR-ADHOC	Haldar,S., Dr. (F) Associate Professor Postgraduate Institute of Medical Education & Research Chandigarh - 160 012 Chandigarh	5.88	36
2721	Development of a multiplexed nanostring based locus copy number & mRNA expression evaluation assay for classification of wilms tumor for diagnosis, prognosis & treatment planning	ICMR-ADHOC	Venkateswaranlyer, Prof. (M) All India Institute of Medical Sciences New Delhi - 110 029 Delhi	11.49	36

BROAD SUBJECT AREA : MEDICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
2722	Development of a novel mercury based organo-metallic complex for acute leukemia treatment..	ICMR-ADHOC	Ghosh,S., Dr. (M) Chittaranjan National Cancer Institute Kolkata - 700 026 West Bengal	16.40	36
2723	Development of a sensitive cell-based assay for the detection of a diagnostic biomarker (myelin oligodendrocyte glycoprotein antibody) in neuromyelitisoptica spectrum disorders	ICMR-ADHOC	Malli,C.S., Dr. (F) Mangalore University Mangalore - 574 199 Karnataka	16.17	36
2724	Development of cost effective indigenous reagent red cell panels for identification & characterization of blood group alloantibodies in north east India?	ICMR-ADHOC	Kulkarni,S.S., Dr. (F) Scientist D ICMR-National Institute of Immunohaematology Mumbai - 400 012 Maharashtra	84.46	36
2725	Development of damage-induced long non-coding RNA as an indicator of tumor progression in oral cancer	ICMR-ADHOC	Sharma,S., Dr. (F) Postgraduate Institute of Medical Education & Research Chandigarh - 160 012 Chandigarh	13.20	36
2726	Development of functionally designed & graded aliphatic polyester-based barrier membranes for periodontal regeneration (ALIPO-BARIUM)	ICMR-ADHOC	Satapathy,B.K., Dr. (M) Professor Indian Institute of Technology (Delhi) New Delhi - 110 016 Delhi	22.14	24
2727	Development of poliovirus non-permissive cell line by CRISPR/Cas9 technology for enteric virus diagnostics & research as per WHO Global Action Plan III for polio containment	ICMR-ADHOC	Nandi,S.S., Dr. (M) Scientist E ICMR-National Institute of Virology Pune - 411 001 Maharashtra	16.21	24
2728	DHR-GIA Proposal: Assessment of effectiveness of daily drug regimen being used for tuberculosis under RNTCP at Model Rural Health Research Unit (MRHRU), Ghatampur, Kanpur Nagar, India? A prospective study	ICMR-ADHOC	Sharma,S., Dr. (M) ICMR-National Jalma Institute for Leprosy & other Mycobacterial Diseases Agra - 282 001 Uttar Pradesh	28.77	60
2729	DHR-GIA Proposal: Development, validation & evaluation of the impact of implementation of E-counseling based macro - micronutrient & lifestyle intervention programme on PCOS related signs/symptoms in adolescent girls of Chandigarh	ICMR-ADHOC	Singh,A., Dr. (M) Postgraduate Institute of Medical Education & Research Chandigarh - 160 012 Chandigarh	13.82	36
2730	DHR-GIA Proposal: Establish robust & economical blood-based panel of diagnostic biomarkers for early diagnosis, detection of tumor progression & its recurrence in gliomas	ICMR-ADHOC	Suri,V., Prof. (F) All India Institute of Medical Sciences New Delhi - 110 029 Delhi	17.98	36
2731	DHR-GIA Proposal: Latent class analysis of health related quality of life of TB patients during & post treatment in a longitudinal design	ICMR-ADHOC	Mahalingam,V., Dr. (F) ICMR-National Institute for Research in Tuberculosis Chennai - 600 031 Tamil Nadu	10.13	24
2732	DHR-GIA Proposal: Measuring association between birth weight & early childhood obesity in more than 6 years of age in an established birth cohort of rural area in Himachal Pradesh, India	ICMR-ADHOC	Kumar,D., Dr. (M) Associate Professor Dr. Rajendra Prasad Government Medical College & Hospital Kangra - 176 001 Himachal Pradesh	3.51	24
2733	DHR-GIA Proposal: Reducing the turnaround time: MALDI-TOF based yeast identification & broth microdilution antifungal susceptibility directly from automated blood cultures	ICMR-ADHOC	Ghosh,A.K., Mr. (M) Postgraduate Institute of Medical Education & Research Chandigarh - 160 012 Chandigarh	22.36	36

## BROAD SUBJECT AREA : MEDICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
2734	DHR-GIA Proposal: Role of micro-RNAs in women with chlamydia trachomatis-associated recurrent spontaneous abortion	ICMR-ADHOC	Rastogi,S., Ms. (F) Scientist G ICMR-National Institute of Pathology New Delhi - 110 029 Delhi	6.45	36
2735	DHR-GIA Proposal: Understanding the cross talk between the host & the pathogen: A way to identify the novel biomarker for the diagnosis of Japanese encephalitis virus infection	ICMR-ADHOC	Sharma,A., Dr. (F) Gauhati Medical College & Hospital Guwahati - 781 032 Assam	183.87	36
2736	Diagnostic application of genomic & epigenetic profiling of circulating free DNA in gallbladder carcinoma	ICMR-ADHOC	Husain,N., Dr. (F) Dr. Ram Manohar Lohia Institute of Medical Sciences Lucknow - 226 010 Uttar Pradesh	36.69	36
2737	Discovery of triangular heterocyclic molecules as inhibitors of dual oncogenic pathways triggered by HSP90 & BRAF kinase	ICMR-ADHOC	Manjunat,R.N., Mr. (M) Acharya & B.M. Reddy College of Pharmacy Bengaluru - 560 090 Karnataka	15.90	36
2738	Effect of influenza immunization in pregnant women on perinatal & maternal outcomes: Protocol for a systematic review	ICMR-ADHOC	Kadhiravan,T., Dr. (M) Jawaharlal Institute of P.G. Medical Education & Research Puducherry - 605 006 Puducherry	4.30	12
2739	Effect of regional Anaesthesia on immune response, recurrence & metastasis in breast cancer surgery: A prospective randomized control study	ICMR-ADHOC	Gupta,N., Dr. (M) All India Institute of Medical Sciences New Delhi - 110 029 Delhi	18.45	36
2740	Effectiveness of a healthcare governance model on the utilization of health care services among Particularly Vulnerable Tribal Group (PVTG) in Udupi district: A cluster randomized controlled trial	ICMR-ADHOC	Shetty,R.S., Dr. (F) Associate Professor Kasturba Medical College Manipal - 576 104 Karnataka	5.81	24
2741	Effectiveness of a mother-mediated occupational therapy early intervention program with mobile-enabled adherence strategies to support mother's self-efficacy & infant development	ICMR-ADHOC	Sahoo,R., Ms. (F) Manipal University Manipal Academy of Higher Education Manipal - 576 104 Karnataka	32.05	36
2742	Effectiveness of community based parenting program in improving cognitive development of rural children in Maharashtra	ICMR-ADHOC	Syed,Z.Q., Dr. (M) Professor Datta Meghe Institute of Medical Sciences Nagpur - 440 016 Maharashtra	16.52	12
2743	Elucidating the mechanism of development of active tuberculosis from Latent Tuberculosis Infection (LTBI) using gene expression level signature: A systems biology approach	ICMR-ADHOC	Mohanty,P.S., Dr. (M) ICMR-National JALMA Institute for Leprosy & other Mycobacterial Diseases Agra - 282 001 Uttar Pradesh	23.13	36
2744	Elucidation of the underlying mechanism of adipose tissue browning driven polycystic ovarian syndrome recovery	ICMR-ADHOC	Shanmugam,A., Dr. (M) Bharathidasan University Tiruchirappalli - 620 024 Tamil Nadu	15.53	36
2745	Establishing center based 1st trimester specific ranges of TSH in healthy pregnant women visiting a tertiary care hospital in Bengaluru, Karnataka, India	ICMR-ADHOC	Ramachary,U.S.M., Dr. (F) Professor Rajarajeswari Medical College & Hospital Kambipura Bengaluru - 560 074 Karnataka	10.48	36
2746	Establishment of serology platform for respiratory syncytial virus	ICMR-ADHOC	Choudhary,M.L., Dr. (M) Scientist E ICMR-National Institute of Virology Pune - 411 001 Maharashtra	7.54	24

## BROAD SUBJECT AREA : MEDICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
2747	Estimation of population immunity against Hepatitis A Virus [HAV] & associated risk factors in different Epidemiological Transition Level [ETL] states of India	ICMR-ADHOC	Deoshatwar,A.R., Dr. (M) ICMR-National Institute of Virology Pune - 411 001 Maharashtra	66.18	24
2748	Evaluating the therapeutic effect of Musa balbisiana fruit powder on non-alcoholic fatty liver disease in rats	ICMR-ADHOC	Banerjee,S.K., Dr. (M) National Institute of Pharmaceutical Education & Research Guwahati - 781 101 Assam	13.06	24
2749	Evaluation of age-linked chromatin modifications in mice sperm: An approach to study sperm quality & fertility	ICMR-ADHOC	Purohit,J.S., Dr. (M) Delhi University North Campus New Delhi - 110 007 Delhi	17.73	36
2750	Evaluation of degradation pattern of different RNA types & gene expression (messenger RNA: HIF1?, GAPDH, ?-Actin, micro RNA: MIR 143, MIR 125, ribosomal RNA: 18s RNA) in human dental pulp tissue under varied temperature & storage time interval..	ICMR-ADHOC	Gupta,S., Dr. (F) King George's Medical University Lucknow - 226 003 Uttar Pradesh	16.47	36
2751	Evaluation of prebiotic & anti-obesity properties of galactan exopolysaccharide	ICMR-ADHOC	Shetty,P.K.H., Dr. (M) Pondicherry University Kalapet Puducherry - 605 014 Puducherry	10.33	36
2752	Evaluation of xpert MTB/RIF ultra assay, Truenat MTB, & multiplex Polymerase Chain Reaction (PCR) in differentiating tuberculosis from sarcoidosis in mediastinal lymph nodes	ICMR-ADHOC	Dhooira,S., Dr. (M) Postgraduate Institute of Medical Education & Research Chandigarh - 160 012 Chandigarh	22.52	36
2753	Exosomes based immune profiling of Multi Drug Resistant (MDR) tuberculosis	ICMR-ADHOC	Mitra,D.K., Dr. (M) All India Institute of Medical Sciences New Delhi - 110 029 Delhi	26.14	36
2754	Exploring clinical & therapeutic relevance of novel biomarkers among children presenting with idiopathic & incomplete precocious puberty at tertiary hospital in Mumbai	ICMR-ADHOC	Surve,S.V., Dr. (F) ICMR-National Institute for Research in Reproductive Health Mumbai - 400 012 Maharashtra	16.48	36
2755	Exploring G-quadruplex ligands to target colon cancer..	ICMR-ADHOC	Acharya,P.C., Dr. (M) Tripura University Agartala - 799 022 Tripura	16.37	24
2756	Fatigue testing (wear & tear/endurance & range of motion) of innovative artificial C1-C2 joints	ICMR-ADHOC	Karthigeyan,M., Dr. (M) Postgraduate Institute of Medical Education & Research Chandigarh - 160 012 Chandigarh	22.05	24
2757	Feasibility of integrating tobacco use screening & tobacco cessation services with routine antenatal care services: A pilot study in district hospital of Gautam Budh Nagar	ICMR-ADHOC	Singh,S., Mrs. (F) ICMR-National Institute of Cancer Prevention & Research Noida - 201 301 Uttar Pradesh	20.49	36
2758	Fertility preservation in cancer affected prepubertal girls: Experimental approaches to address the cryosusceptibility of immature oocytes in relation to the ovarian age	ICMR-ADHOC	Adiga,S.K., Dr. (M) Professor Kasturba Medical College Manipal - 576 104 Karnataka	15.44	36
2759	Generation of 3D printed multi-functional customized drug delivery systems: In vitro & in vivo evaluations	ICMR-ADHOC	Banerjee,S., Dr. (M) Associate Professor National Institute of Pharmaceutical Education & Research Guwahati - 781 101 Assam	8.10	24

## BROAD SUBJECT AREA : MEDICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
2760	Generation of bioengineered human pancreatic organoid model for environmental diabetogens screening: A step towards targeted therapy for diabetes	ICMR-ADHOC	Verma,V., Dr. (M) Sanjay Gandhi P.G. Institute of Medical Sciences Lucknow - 226 014 Uttar Pradesh	19.17	36
2761	Generation of oligodendrocytes from induced pluripotent stem cells. A step towards cell based therapy for demyelinating	ICMR-ADHOC	Parameswaran,S., Dr. (F) Assistant Professor Vision Research Foundation Chennai - 600 006 Tamil Nadu	15.05	36
2762	Herbal mouth rinses for oral health in children & adolescents	ICMR-ADHOC	Muthu,M., Dr. (M) Professor & Head S.R.M. Institute of Sciences & Technology Kanchipuram - 603 203 Tamil Nadu	7.51	24
2763	Host & mycobacterial transcriptomic signatures in vitreous fluid of intraocular TB patients: Role in diagnosis	ICMR-ADHOC	Verma,I., Dr. (F) Professor Postgraduate Institute of Medical Education & Research Chandigarh - 160 012 Chandigarh	23.97	36
2764	Hot-spot & socio demographic determinants of Tuberculosis (TB) in northeastern states, India: A spatial analysis	ICMR-ADHOC	Singh,K.J., Dr. (M) Scientist D ICMR-National Institute of Medical Statistics New Delhi - 110 029 Delhi	1.64	24
2765	Human islet cell transplantation to cure diabetes in India-Phase 1-Research initiative	ICMR-ADHOC	Mohan,N.K., Dr. (F) Apollo Hospitals Chennai - 600 006 Tamil Nadu	60.17	36
2766	Identification & characterization of miRNA involved in idiopathic male infertility	ICMR-ADHOC	Gahlay,G.K., Dr. (M) Guru Nanak Dev University Amritsar - 143 005 Punjab	24.03	36
2767	Identification & characterization of ubiquitin & SUMO modified exosomal proteins from Parkinson's disease patient's blood	ICMR-ADHOC	Madhusoodanan,U.K., Dr. (M) Assistant Professor Sree Chitra Tirunal Institute for Medical Sciences & Technology Thiruvananthapuram - 695 011 Kerala	9.33	36
2768	Identification of microRNAs regulating runx2 activity for TGF-Beta 1-stimulation of matrix metalloproteinase-13 expression in osteoblastic cells	ICMR-ADHOC	Selvamurugan,N., Dr. (M) Professor S.R.M. Institute of Sciences & Technology Ramapuram Campus Chennai - 600 089 Tamil Nadu	12.91	36
2769	Identification of plasma-derived exosomal protein biomarkers for early prediction of dengue severity in Indian children	ICMR-ADHOC	Rana,R., Dr. (F) Sir Ganga Ram Hospital New Delhi - 110 060 Delhi	17.63	36
2770	Identification, synthesis & validation of potential ATAD2 ligands as a therapeutic strategy for stomach cancer	ICMR-ADHOC	Roychowdhury,A., Dr. (F) Assistant Professor Indian Institute of Technology (Bhubaneswar) Khordha Bhubaneswar - 752 050 Odisha	12.12	36
2771	Identifying glioma-specific antigens for selective immunization of dendritic cell-based exosomal vaccine candidate to augment effective anti-tumor response in resistant cancer	ICMR-ADHOC	Khan,A.A., Dr. (M) Deccan College of Medical Sciences Hyderabad - 500 058 Telangana	13.00	36
2772	Idiopathic Sertoli Cell Only Syndrome (SCOS): An investigation to find out epigenomic etiologies	ICMR-ADHOC	Jain,M., Dr. (M) Scientist C All India Institute of Medical Sciences New Delhi - 110 029 Delhi	15.13	36
2773	Impact of peritransplant antibiotics on gut microbiome diversity & hematopoietic cell transplant outcomes	ICMR-ADHOC	Lad,D.P., Dr. (M) Associate Professor Postgraduate Institute of Medical Education & Research Chandigarh - 160 012 Chandigarh	6.45	36

## BROAD SUBJECT AREA : MEDICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
2774	Improving TB diagnosis at designated microscopic centers by introduction of quality management systems & optimum utilization of rapid molecular diagnostics & its cost implications	ICMR-ADHOC	Dhawan,S., Dr. (F) SHARE India Society for Health Allied Research Education Mumbai - 400 059 Maharashtra	20.19	12
2775	Incentives to pregnant mother during antenatal care for better maternal & neonatal outcome	ICMR-ADHOC	Holla,R., Dr. (M) Kasturba Medical College Mangalore - 575 001 Karnataka	9.08	12
2776	Incidence of neural tube defect & its detection on antenatal ultrasonography in an eastern Indian state: A population based cross sectional study	ICMR-ADHOC	Mahalik,S.K., Dr. (M) Associate Professor All India Institute of Medical Sciences Bhubaneswar - 751 019 Odisha	30.20	24
2777	Indigenous development of low-cost, portable, high-speed confocal Scanning Laser Ophthalmoscopy (cSLO) system for fluorescence angiographic & photoreceptors imaging of human eye	ICMR-ADHOC	Poddar,R., Dr. (M) Associate Professor Birla Institute of Technology (Mesra) Ranchi - 835 215 Jharkhand	23.53	12
2778	Inflammatory cardiomyopathy: A study using artificial intelligence to validate a diagnostic algorithm combining novel proteomic biomarkers, non-contrast MRI & somatostatin receptor based PET/CT	ICMR-ADHOC	Seth,S., Prof. (M) All India Institute of Medical Sciences New Delhi - 110 029 Delhi	9.68	36
2779	Interventions for promoting & optimizing breastfeeding: An overview of systematic review	ICMR-ADHOC	Gaidhane,A.M., Dr. (M) Professor Datta Meghe Institute of Medical Sciences Nagpur - 440 016 Maharashtra	9.06	48
2780	Iron status in healthy term breastfed infants in early infancy: A prospective cohort study..	ICMR-ADHOC	Gupta,N., Dr. (M) Additional Professor All India Institute of Medical Sciences Jodhpur - 342 005 Rajasthan	14.73	24
2781	Long range, Cis-acting functional variations in regulatory elements of frataxin: New therapeutic targets in friedreich's ataxia	ICMR-ADHOC	Srivastava,A.K., Dr. (M) Professor All India Institute of Medical Sciences New Delhi - 110 029 Delhi	29.69	36
2782	Mapping the prevalence of health risk behaviors among the tribal adolescents in Odisha- Examining the status & scope for behavioral healthcare intervention & health risk reduction	ICMR-ADHOC	Acharya,S.K., Dr. (M) Scientist D ICMR-Regional Medical Research Centre Bhubaneswar - 751 023 Odisha	18.17	36
2783	Mechanism of resistance involved in the emergence of nitrofurantoin resistance among uropathogenic enterobacteriaceae	ICMR-ADHOC	Bulagonda,E.P., Dr. (M) Associate Professor Sri Sathya Sai Institute of Higher Learning Puttaparthi Anantapur - 515 134 Andhra Pradesh	34.28	36
2784	Mechanistic role of cellular fibronectin containing extra domain A in heart failure	ICMR-ADHOC	Prakash,P., Dr. (M) Jamia Hamdard New Delhi - 110 062 Delhi	22.91	36
2785	Metabolic syndrome among three PVTGs of Central India	ICMR-ADHOC	Shrivastava,S.D.S., Dr. (M) Scientist B ICMR-National Institute of Research In Tribal Health Jabalpur - 482 003 Madhya Pradesh	70.50	12
2786	Micromorphological differences in strong versus ruptured/weak previous caesarean scar in term pregnant women: A case-control study	ICMR-ADHOC	Dorairajan,G., Prof. (F) Jawaharlal Institute of P.G. Medical Education & Research New Delhi - 110 002 Delhi	6.49	36



BROAD SUBJECT AREA : MEDICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
2787	MicroRNAs in stratifying the management of acute pancreatitis	ICMR-ADHOC	Srivastava,S., Dr. (M) Maulana Azad Medical College New Delhi - 110 002 Delhi	15.40	36
2788	Molecular characterization of live poliovirus vaccines used in India	ICMR-ADHOC	Nalavade,U.P., Mrs. (F) ICMR-National Institute of Virology Pune - 411 001 Maharashtra	110.70	36
2789	Molecular characterization, genome sequencing & comparative analysis of different strains of the Orientia tsutsugamushi from central India	ICMR-ADHOC	Manjunathachar,H.V., Dr. (F) ICMR-National Institute of Research In Tribal Health Jabalpur - 482 003 Madhya Pradesh	22.88	36
2790	Molecular epidemiology of measles & rubella outbreaks in selected areas in the country: Modified case-based surveillance & complete genome sequence analysis	ICMR-ADHOC	Sharma,D.K., Dr. (F) ICMR-National Institute of Virology Pune - 411 001 Maharashtra	83.90	36
2791	Molecular epidemiology of mycobacterium tuberculosis from patients treated under the revised national tuberculosis control programme, India	ICMR-ADHOC	Shanmugam,S.K., Dr. (M) ICMR-National Institute for Research in Tuberculosis Chennai - 600 031 Tamil Nadu	24.16	36
2792	N2B (Nose-to-Brain) delivery of anti-TB drugs using particulate drug delivery system to ameliorate Tuberculous Meningitis (TBM) & enhance functional recovery	ICMR-ADHOC	Singh,A.K., Dr. (M) Scientist C ICMR-National Jalma Institute for Leprosy & other Mycobacterial Diseases Tajganj Agra - 282 001 Uttar Pradesh	8.22	36
2793	Neuroprotective efficacy of human dental mesenchymal stem cell derived secretory molecules & mitochondrial transfer in Alzheimer's model: Potential of cell-free therapy in neurodegeneration	ICMR-ADHOC	Bhattacharyya,S., Dr. (F) Professor & Head Postgraduate Institute of Medical Education & Research Chandigarh - 160 012 Chandigarh	16.35	36
2794	Next-Generation Sequencing (NGS) based single-tube resistance characterization assay of M. tuberculosis	ICMR-ADHOC	Sethi,S., Dr. (M) Postgraduate Institute of Medical Education & Research Chandigarh - 160 012 Chandigarh	23.50	24
2795	Nipah outbreak in Kerala: An exploratory study on experiences of survivors & response of the community	ICMR-ADHOC	Babu,R.G., Dr. (M) Scientist D ICMR-National Institute of Virology Alappuzha - 688 005 Kerala	9.06	24
2796	Non-invasive identification of early predictive lung cancer biomarkers through exosomes	ICMR-ADHOC	Chaudhry,D., Prof. (M) Pt. Bhagwat Dayal Sharma P.G. Institute of Medical Sciences Rohtak - 124 001 Haryana	23.91	36
2797	Ovarian Tissue Cryopreservation (OTC) for fertility preservation in young cancer survivors- Comparison of slow freezing & verification techniques	ICMR-ADHOC	Malhotra,N., Dr. (F) Professor All India Institute of Medical Sciences New Delhi - 110 029 Delhi	47.94	36
2798	Pharmacokinetic assessment of CDK inhibitors interactions with human efflux & hepatic enzymes implications for disposition & drug interactions in the treatment of her positive breast cancer..	ICMR-ADHOC	Jagadish,P.C., Dr. (M) Associate Professor Manipal College of Pharmaceutical Sciences Manipal - 576 104 Karnataka	9.15	36
2799	Pharmacokinetic Pharmacodynamic Pharmacogenetic (PPP) guided personalized dose building of post-transplant cyclophosphamide in leukemia patients & its association with immune reconstitution & transplant outcomes after haploidentical	ICMR-ADHOC	Patil,A., Dr. (M) Postgraduate Institute of Medical Education & Research Chandigarh - 160 012 Chandigarh	8.00	36

## BROAD SUBJECT AREA : MEDICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
2800	Pharmacological studies on Hedychium spicatum on airway inflammation & remodeling in experimental model of bronchial asthma	ICMR-ADHOC	Gulati,K., Prof. (F) Vallabhbai Patel Chest Institute Delhi - 110 007 Delhi	16.10	36
2801	Polycystic ovary syndrome: Impact of gonadotropin hormone imbalance on Insulin sensitivity & an evaluation for its consequences for maternal & the infant health	ICMR-ADHOC	Singh,R., Prof. (F) Delhi University North Campus Delhi - 110 007 Delhi	52.79	36
2802	Precision dosing of Amikacin in neonates: A pharmacometric approach	ICMR-ADHOC	Mallayaswamy,S., Dr. (M) Manipal College of Pharmaceutical Sciences Manipal - 576 104 Karnataka	6.68	24
2803	Preconception care intervention on maternal nutritional status & birth outcome in low resource setting- A non-randomized control trial	ICMR-ADHOC	Swain,D., Mrs. (F) Assistant Professor All India Institute of Medical Sciences Bhubaneswar - 751 019 Odisha	16.13	36
2804	Prevalence & anthelmintic drug resistance (both molecular & morphological) of soil transmitted helminth infection among the children in Nabarangpur (a tribal dominated district of Odisha): A pilot study	ICMR-ADHOC	Mandal,N., Dr. (M) ICMR-Regional Medical Research Centre Bhubaneswar - 751 023 Odisha	9.27	36
2805	Prevalence of atrial cardiopathy in cryptogenic strokes in comparison with strokes of known etiology- A prospective observational study	ICMR-ADHOC	Sreedharan,S.E., Dr. (F) Additional Professor Sree Chitra Tirunal Institute for Medical Sciences & Technology Thiruvananthapuram - 695 011 Kerala	4.03	36
2806	Prevalence of the natural wolbachia infections in the wild populations of Aedes aegypti Linn mosquitoes from Tamil Nadu, south India	ICMR-ADHOC	Kumar,A., Dr. (M) ICMR-Vector Control Research Centre Puducherry - 605 006 Puducherry	12.67	24
2807	Prevalence of uterine cervical High Risk Human Papilloma Virus (HR-HPV) & its sociodemographic determinants among married tribal & non- tribal women of Andaman & Nicobar Islands	ICMR-ADHOC	Parvez,R., Dr. (F) ICMR-Regional Medical Research Centre Bhubaneswar - 751 023 Odisha	26.87	36
2808	Prevalence study of infertility related morbidity & link between molecular aspect & use of advance technology ART for infertile patients	ICMR-ADHOC	Rozati,R., Prof. (F) Director Medical Health & Research Trust Hospital & Research Centre Hyderabad - 500 034 Telangana	37.59	36
2809	Prospective study on the screening of the expression of an array of sperm proteins & its correlation with assisted reproductive technology outcome	ICMR-ADHOC	Kumar,P.G., Dr. (M) Scientist G Rajiv Gandhi Centre for Biotechnology Thiruvananthapuram - 695 014 Kerala	50.04	36
2810	Prostate cancer: Probing of comprehensive (cellular & systemic) metabolomics-based biomarker as a surrogate of the histopathology-based gleason score grading	ICMR-ADHOC	Kumar,M., Dr. (M) King George's Medical University Lucknow - 226 003 Uttar Pradesh	12.93	36
2811	Quantitative serum proteomic analysis of contacts of leprosy cases using iTRAQ for early diagnosis of leprosy	ICMR-ADHOC	Bisht,D., Dr. (F) ICMR-National Jalma Institute for Leprosy & other Mycobacterial Diseases Agra - 282 001 Uttar Pradesh	14.21	36

## BROAD SUBJECT AREA : MEDICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
2812	Reproductive toxicity study of Di (2-ethylhexyl) phthalate (plasticizer) in animal model & its correlation with infertility & reproductive disorder among common population in selected areas of Bihar	ICMR-ADHOC	Singh,T., Prof. (F) S.S. Hospital & Research Institute Patna - 800 020 Bihar	65.63	36
2813	Role of circulating miRNA in endometriosis pathogenesis & their potential clinical implications for the development of non-invasive diagnostic & prognostic biomarkers	ICMR-ADHOC	Rozati,R., Prof. (F) Director Medical Health & Research Trust MHRT Hospital & Research Centre Hyderabad - 500 034 Telangana	86.06	36
2814	Role of serum CXCL-10, IL-6 & IL-22 in vitiligo a cross sectional study in a tertiary care hospital of Tripura, north east India	ICMR-ADHOC	Chakrabarty,S.K., Dr. (M) Agartala Government Medical College Agartala - 799 006 Tripura	4.53	24
2815	Sertraline Intervention for Enhancing anti-TB therapeutic Regimen (SINERG)	ICMR-ADHOC	Rao,V.K., Dr. (M) CSIR-Institute of Genomics & Integrative Biology New Delhi - 110 025 Delhi	31.04	12
2816	Setting up of registry for renal complications in Indian children with sickle cell disease: The Indian Sickle cell Nephropathy (ISN) consortium	ICMR-ADHOC	Sharma,T., Dr. (F) Assistant Professor All India Institute of Medical Sciences Bhopal - 462 026 Madhya Pradesh	18.28	36
2817	Socioeconomic, education & life style measures & its association with coronary heart disease risk factors in adolescent school children	ICMR-ADHOC	Reddy,K.K., Dr. (M) Sri Venkateswara University Tirupati - 517 502 Andhra Pradesh	16.72	36
2818	Squalene integrated NLC based gel of tamoxifen citrate for efficient treatment of psoriasis in mice	ICMR-ADHOC	Rai,V.K., Dr. (M) I.S.F. College of Pharmacy Moga - 142 001 Punjab	7.31	36
2819	Studies on the role of HDAC inhibitors in reprogramming cancer cell metabolism to reverse cisplatin resistance in patient derived xenograft model of ovarian cancer	ICMR-ADHOC	Devi,V., Dr. (F) Professor Manipal University Manipal Academy of Higher Education Manipal - 576 104 Karnataka	9.54	36
2820	Study of circulatory level of serum proteins in inflammatory & anti-oxidative pathways in Alzheimer's disease for the establishment of potential biomarker & therapeutic target	ICMR-ADHOC	Dey,S., Dr. (F) Additional Professor All India Institute of Medical Sciences New Delhi - 110 029 Delhi	33.03	36
2821	Study of clinical significance of genetic alterations & feasibility of adopting Children Oncology Group (COG) risk based stratification of Wilms Tumor in Indian children	ICMR-ADHOC	Yadav,D.K., Dr. (M) All India Institute of Medical Sciences New Delhi - 110 029 Delhi	25.62	36
2822	Study of inherited mismatch repair deficiency & its correlation with tumor mutational burden & immune microenvironment in pediatric & adult gliomas	ICMR-ADHOC	Kaur,K., Mrs. (F) All India Institute of Medical Sciences New Delhi - 110 029 Delhi	26.83	36
2823	Study of maternally inherited mitochondrial DNA variants in women with polycystic ovarian syndrome	ICMR-ADHOC	Shukla,P., Dr. (F) Scientist D ICMR-National Institute for Research in Reproductive Health Parel Mumbai - 400 012 Maharashtra	17.54	36
2824	Synthesizing evidence on antibiotic use among humans & animals to help tackle antimicrobial resistance: Cultural epidemiological study in rural Pune district, Maharashtra	ICMR-ADHOC	Kudale,A.M., Mr. (M) Assistant Professor Savitribai Phule Pune University Pune - 411 007 Maharashtra	8.21	36

## BROAD SUBJECT AREA : MEDICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
2825	Targeting long non coding RNAs by agents derived from Moringa oleifera for breast cancer therapy	ICMR-ADHOC	Gupta,S.C., Dr. (M) Indian Institute of Technology (BHU) Varanasi - 221 005 Uttar Pradesh	20.39	36
2826	TB prevalence & interventions for reducing TB & LTBI in high risk key population of rickshaw drivers & construction workers	ICMR-ADHOC	Dhawan,S., Dr. (F) SHARE India Society for Health Allied Research Education Mumbai - 400 059 Maharashtra	22.20	24
2827	The detection of current & persistent oral HPV infection using non-invasive method in oral potentially malignant disorders with their clinical & molecular characteristics	ICMR-ADHOC	Gupta,S., Dr. (F) All India Institute of Medical Sciences New Delhi - 110 029 Delhi	196.86	36
2828	The efficacy & safety of N-acetylcysteine in Autism Spectrum Disorder (ASD): A systematic review & meta-analysis of randomized clinical trials	ICMR-ADHOC	Medhi,B., Dr. (M) Postgraduate Institute of Medical Education & Research Chandigarh - 160 012 Chandigarh	8.74	12
2829	The impact of Ferroptosis pathway in regulating the biological behavior & immune microenvironment of glioblastoma	ICMR-ADHOC	Purkait,S., Dr. (M) All India Institute of Medical Sciences Bhubaneswar - 751 019 Odisha	22.68	36
2830	Therapeutic drug monitoring of sorafenib in hepatocellular carcinoma patients	ICMR-ADHOC	Pavithran,K., Mr. (M) Amrita Institute of Medical Sciences Kochi - 682 041 Kerala	28.50	36
2831	Therapeutic intervention against primary effusion lymphoma targeting WNT signaling pathway	ICMR-ADHOC	Choudhuri,T., Ms. (F) Visva Bharati University Bolpur - 731 235 West Bengal	20.86	36
2832	Therapeutic potential of spironolactone loaded light-responsive sustained release gel depot in treating diabetic retinopathy	ICMR-ADHOC	Nirmal,J., Dr. (M) Assistant Professor Birla Institute of Technology & Science (Pilani ) Hyderabad Campus Hyderabad - 500 078 Telangana	9.26	36
2833	To assess the incidence of Ethambutol induced Optic Neuropathy (EtON) & evaluate the role of high dose pulse methylprednisolone (IVMP) in these patients	ICMR-ADHOC	Lal,V., Dr. (M) Professor Postgraduate Institute of Medical Education & Research Chandigarh - 160 012 Chandigarh	13.96	36
2834	To decipher the functional interaction of reproductive longevity targets induced by TGF- $\beta$ & Insulin signaling in Gonads	ICMR-ADHOC	Kumar,N., Dr. (M) All India Institute of Medical Sciences New Delhi - 110 029 Delhi	17.60	36
2835	To elucidate the impact of micronutrients & vitamins on sex-steroid mediated stromal-epithelial interaction in prostate cells: Role in maintenance of normal prostate physiology	ICMR-ADHOC	Pandey,D., Dr. (M) Scientist II All India Institute of Medical Sciences New Delhi - 110 029 Delhi	18.08	36
2836	To evaluate the efficacy of oral Coenzyme Q supplementation in children with migraine aged 6-18 years: A randomized double-blind, placebo-controlled trial	ICMR-ADHOC	Sharawat,I.K., Dr. (M) All India Institute of Medical Sciences Rishikesh - 249 203 Uttarakhand	4.50	36
2837	To evaluate the role of R2TP complex as a novel regulator of PI3K/Akt/mTOR & AR signalling pathway in prostate cancer	ICMR-ADHOC	Kaushal,S., Ms. (F) All India Institute of Medical Sciences New Delhi - 110 029 Delhi	15.31	36
2838	To evolved evidence-based hypospadias repair guideline for hypospadias (urological condition) in Indian context	ICMR-ADHOC	Goel,P., Dr. (M) All India Institute of Medical Sciences New Delhi - 110 029 Delhi	28.95	36

BROAD SUBJECT AREA : MEDICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
2839	To study the effect of endocrine disrupting substance Bisphenol A on steroidogenesis & apoptosis in leydig cells mediated by microRNA	ICMR-ADHOC	Chaturvedi,P.K., Prof. (M) All India Institute of Medical Sciences New Delhi - 110 029 Delhi	27.53	36
2840	To study the effect of fatty meals on nilotinib drug levels in blood of newly diagnosed patients of chronic myeloid leukemia chronic phase & correlate it	ICMR-ADHOC	Kumar,L., Mr. (M) All India Institute of Medical Sciences New Delhi - 110 029 Delhi	17.50	12
2841	Towards point-of-care test development for Bacterial Vaginosis (BV), a polymicrobial infection	ICMR-ADHOC	Sood,S., Prof. (F) All India Institute of Medical Sciences New Delhi - 110 029 Delhi	15.84	36
2842	Triple targeting engineered virus: A tool to counter influenza infection	ICMR-ADHOC	Khanna,M., Prof. (F) Vallabhbai Patel Chest Institute Delhi - 110 007 Delhi	13.12	36
2843	Tumor Immune landscape: PDL1 expression & evaluation of tumor immune interplay by investigating the immune cell infiltration in supratentorial ependymoma & its correlation with survival outcomes	ICMR-ADHOC	Sharma,M.C., Mr. (M) All India Institute of Medical Sciences New Delhi - 110 029 Delhi	26.47	24
2844	Uncovering the genetics of novel salmonella typhi strains from delayed responders to treatment	ICMR-ADHOC	Selvapandiyar,A., Dr. (M) Jamia Hamdard New Delhi - 110 062 Delhi	29.81	36
2845	Understanding the association between xenobiotic exposure & obesity using caenorhabditis elegans as a model	ICMR-ADHOC	Satish,A., Ms. (F) CSIR-Indian Institute of Toxicology Research Lucknow - 226 001 Uttar Pradesh	20.23	36
2846	Understanding the relationship between metabolic stress & acquired tamoxifen resistance in breast cancer cells	ICMR-ADHOC	Sudhagar,S., Dr. (M) Assistant Professor National Institute of Pharmaceutical Education & Research Guwahati - 781 101 Assam	13.45	24
2847	Unraveling chemo resistance and S1P signaling in a bioengineered 3-D oral squamous cell carcinoma model: Implications in cancer therapy	ICMR-ADHOC	Kumar,A., Mr. (M) All India Institute of Medical Sciences Bhopal - 462 026 Madhya Pradesh	26.74	36
2848	Validation of glutathione synthetase from Leishmania donovani as new drug target for discovery of new drug candidate	ICMR-ADHOC	Dubey,V.K., Prof. (M) Indian Institute of Technology (BHU) Varanasi - 221 005 Uttar Pradesh	22.95	36
2849	Validation of HPV T cell epitopes predicted using bioinformatics approach & characterizes the T cell response against the recognized HPV epitopes: A step towards therapeutic HPV vaccine	ICMR-ADHOC	Thakar,M.R., Dr. (F) Scientist F ICMR-National Aids Research Institute Ansari Nagar New Delhi - 110 029 Delhi	17.30	36
2850	Validation of Nitric Oxide Synthase 2 (NOS2/iNOS) gene polymorphism as molecular marker for diagnosis/prognosis of leprosy reactions (Type1 & Type 2) - A prospective cohort study	ICMR-ADHOC	Mohanty,K.K., Dr. (F) Scientist F ICMR-National Jalma Institute for Leprosy & other Mycobacterial Diseases Agra - 282 001 Uttar Pradesh	20.21	36
2851	Validation of RDT kit for screening of anaemia among women of child bearing age group at field level in comparing with gold standard test in rural area of costal Karnataka	ICMR-ADHOC	Shetty,J.K., Dr. (M) K.S. Hegde Medical Academy Mangalore - 575 018 Karnataka	23.00	24

## BROAD SUBJECT AREA : MEDICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
2852	Vestibular stimulation in the management of parkinson's disease in patients with parkinson's disease	ICMR-ADHOC	Goothy,S.S.K., Dr. (M) Associate Professor R.D. Gardi Medical College Ujjain - 456 001 Madhya Pradesh	5.74	24
2853	Centre for advanced research & excellence in disability & assistive technology	ICMR-CARE	Srivastava,M.V.P., Prof. (F) Professor & Head All India Institute of Medical Sciences New Delhi - 110 029 Delhi	154.76	60
2854	Centre for Advanced Research (CAR) in hospital acquired infections-Prevention & control	ICMR-CARE	Mathur,P., Prof. (F) All India Institute of Medical Sciences New Delhi - 110 029 Delhi	125.35	60
2855	Glia mediated neuroinflammation in ALS-A translational approach through studies & experimental models	ICMR-CARE	Satyaprabha,T.N., Dr. (M) Professor & Head National Institute of Mental Health & Neuro Sciences Hosur Road P B 2900 Bengaluru - 560 029 Karnataka	163.76	60
2856	28s ribosomal RNA capture assay for the sensitive detection of plasmodium falciparum & plasmodium Vivax	ICMR-TF	Das,A.K., Mr. (M) Senior Professor Acharya Narendra Dev College New Delhi - 110 019 Delhi	43.54	24
2857	A combined model study to investigate the challenge faced by frontline health managers at district level in this time of pandemic of Covid-19-multicentric approach	ICMR-TF	Kundapur,R., Prof. (F) ICMR-National Institute of Malaria Research New Delhi - 110 077 Delhi	11.62	3
2858	A phase 2/3, observer-blind, randomized, controlled study to determine the safety & immunogenicity of Covishield (Covid-19 vaccine) in healthy Indian adults	ICMR-TF	Padmapriyadarsini,C., Ms. (F) Director The INCLEN Trust International New Delhi - 110 020 Delhi	958.80	14
2859	A phase 2a double-blind, placebo-controlled randomized clinical trial to evaluate immunogenicity & safety of a Zika virus vaccine (Bbv121) in Dengue sero-negative & dengue sero-negative & Dengue sero-positive healthy adults	ICMR-TF	Murhekar,M.V., Mr. (M) Director All India Institute of Medical Sciences New Delhi - 110 029 Delhi	557.42	24
2860	An event-driven, phase 3, randomized, double-blind, placebo-controlled, multicenter study to evaluate the efficiency, safety, immunogenicity, & lot-to-lot consistency of Bbv152, a whole-varion inactivated Sars-Cov-2 vaccine in adults≥18 to years of age	ICMR-TF	Shameem,M., Mr. (M) Professor ICMR-National Institute of Research In Tribal Health Jabalpur - 482 003 Madhya Pradesh	1556.19	17
2861	An in-house Lateral flow immunoassay (Lfia) based Point of care (Poc) test using gold nanoparticle labeled antigens/antibodies for detection of Covid-19 IGS/IGM antibodies	ICMR-TF	Patil,R., Ms. (F) Scientist C Believers Church Medical College Hospital Tiruvalla - 689 103 Kerala	2.43	3
2862	An international randomized trial of additional treatments for Covid-19 in hospitalized patients who are receiving the local standard of care	ICMR-TF	Godbole,S.V., Ms. (F) Director PRAYAS Amrita Clinic Deccan Gymkhana Corner Pune - 411 004 Maharashtra	104.05	12
2863	Assessment of community based HIV testing program in India	ICMR-TF	Shridhar,R., Ms. (F) Sr. Research Fellow ICMR-Regional Medical Research Centre Dibrugarh - 786 001 Assam	13.10	9
2864	Attractive toxic sugar bait (Atsb) methods to control mosquitoes in different region of Delhi & NCR	ICMR-TF	Kumar,Sarita, Prof. (F) ICMR-National Institute of Malaria Research New Delhi - 110 077 Delhi	18.82	48

## BROAD SUBJECT AREA : MEDICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
2865	Ayurvedic treatment in the rehabilitation of Ischemic stroke patient in India: A randomized controlled trial study (RESTORE Trial)-Pondicherry	ICMR-TF	Narayan,S.K., Dr. (M) Jawaharlal Institute of P.G. Medical Education & Research Gorimedu, Priyadarshini Nagar Puducherry - 605 006 Puducherry	18.10	24
2866	Community voices for vaccines in India (Covindia) - A rapid appraisal focusing on Covid-19	ICMR-TF	Chatterjee,P., Mr. (M) Associate Professor Chatterjee International Center Kolkata - 700 071 West Bengal	20.03	4
2867	Comparison of alpha emitting 225 AC-dotatate versus beta emitting 177 lu-dotatate therapy in advance stage gastroenteropancreatic neuroendocrine tumor patients	ICMR-TF	Bal,C.S., Dr. (M) All India Institute of Medical Sciences Ansari Nagar New Delhi - 110 029 Delhi	118.33	36
2868	Comparison of Seroprevalence of SARS-CoV2 among people with & without diabetes and/or hypertension among existing cardiovascular community cohort in National Capital Region (NCR) of Delhi	ICMR-TF	Tandon,N., Dr. (M) Professor All India Institute of Medical Sciences Ansari Nagar New Delhi - 110 029 Delhi	58.23	15
2869	Control of antimicrobial resistance - drawing actionable insight from surveillance & whole - genome sequencing data	ICMR-TF	Ahmed,N., Prof. (M) Hyderabad University Hyderabad - 500 046 Telangana	16.52	24
2870	Determination of biofilm pharmacodynamics of newly formulated, nano-conjugated antibiotics to optimize treatment & dosing of chronic, antibiotic-resistant biofilm infections	ICMR-TF	Kundu,G.C., Prof. (M) ICMR-National Institute of Epidemiology Chennai - 600 077 Tamil Nadu	29.13	36
2871	Digoxin in patients with rheumatic heart disease - A randomized placebo - controlled trial - SCTIM	ICMR-TF	Gopalakrishnan,A., Dr. (M) Associate Professor Sree Chitra Tirunal Institute for Medical Sciences & Technology Medical College Campus Thiruvananthapuram - 695 011 Kerala	5.44	43
2872	Digoxin in patients with rheumatic heart disease - A randomized placebo controlled trial - G.B. Pant	ICMR-TF	Gupta,M.D., Dr. (M) Chief Fellow Govind Ballabh Pant Hospital 64 Khamba, Raj Ghat Delhi - 110 002 Delhi	2.94	42
2873	Digoxin in patients with rheumatic heart disease - A randomized placebo controlled trial - G.K	ICMR-TF	Karthikeyan,G., Dr. (M) All India Institute of Medical Sciences Ansari Nagar New Delhi - 110 029 Delhi	2.64	42
2874	Digoxin in patients with rheumatic heart disease - A randomized placebo controlled trial - N.D	ICMR-TF	Devasenapthy,N., Dr. (F) George Institute for Global Health 311-312, Third Floor, Elegance Tower, Plot 8, Jasola New Delhi - 110 025 Delhi	41.23	48
2875	Digoxin in patients with rheumatic heart disease-A randomized placebo controlled trial-FBD	ICMR-TF	Wadhwa,N., Dr. (M) Regional Centre for Biotechnology NCR Biotech Science Cluster, 3rd Milestone Faridabad - 121 001 Haryana	76.97	48
2876	Establishing a pan-India landscape of human plasmodium infections from dried blood spots collected under national health survey-5	ICMR-TF	Sinha,A., Mr. (M) Scientist E ICMR-National Aids Research Institute Pune - 411 026 Maharashtra	455.78	18
2877	Establishment of ten ICMR-biorepositories for Covid-19	ICMR-TF	Singh,D.P., Mr. (M) Scientist C ICMR-National Institute for Research in Tuberculosis Chennai - 600 031 Tamil Nadu	245.96	15

## BROAD SUBJECT AREA : MEDICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
2878	Estimation of vibrio cholerae 01 infection in India: A step towards identification of cholera hotspots	ICMR-TF	Dutta,S., Ms. (F) Director ICMR-National Institute of Occupational Health Ahmedabad - 380 016 Gujarat	56.10	8
2879	Evaluation of a health system based intervention on change in thrombolysis rate in ST segment Evaluated Myocardial Infraction (STEMI) Acute Coronary Syndrome (ACS) across selected districts of the country - A health implementation research projects..	ICMR-TF	Reddy,T.M., Dr. (M) Professor Sri Venkateshwara Institute of Medical Science TTD Administrative Building Tirupati - 517 507 Andhra Pradesh	47.27	36
2880	Evaluation of a health system based intervention on change in thrombolysis rate in ST segment Evaluated Myocardial Infraction (STEMI) Acute Coronary Syndrome (ACS) across selected districts of the country - A health implementation research projects..	ICMR-TF	Deora,S., Dr. (M) All India Institute of Medical Sciences Jodhpur - 342 005 Rajasthan	44.93	36
2881	Factors related to Covid-19 stigma: A mixed method study	ICMR-TF	Stephen,A., Mr. (M) Scientist B K.S. Hegde Medical Academy Mangalore - 575 018 Karnataka	24.86	3
2882	Follow up of ICMR-INDIAB Phase-I & northeast (Tamil Nadu & Arunachal Pradesh) incidence rate complications & mortality rates & secular trends in prevalence of diabetes & pre-diabetes - MDRF, Chennai	ICMR-TF	Mohan,V., Dr. (M) Director Madras Diabetes Research Foundation 4, Conaran Smith Road, Gopalapuram Chennai - 600 086 Tamil Nadu	375.84	24
2883	Genomics of gall bladder carcinoma in Indian patients - G.B pant	ICMR-TF	Saluja,S.S., Dr. (M) Associate Professor Govind Ballabh Pant Hospital 64 Khamba, Raj Ghat New Delhi - 110 002 Delhi	32.28	36
2884	Hydroxychloroquine prophylaxis for Covid-19 infection among healthcare workers: A proof-of-concept, observational study	ICMR-TF	Kanungo,S., Mr. (M) Scientist E ICMR-National Institute of Cholera & Enteric Diseases Kolkata - 700 010 West Bengal	2.16	5
2885	ICMR- Young Diabetes Registry (YDR) & YDR Cohort-Phase-III, Chandigarh	ICMR-TF	Bhadada,S., Dr. (M) Professor Postgraduate Institute of Medical Education & Research Sector 12 Chandigarh - 160 023 Chandigarh	24.51	36
2886	ICMR- Young Diabetes Registry (YDR) & YDR Cohort-Phase-III, ICMR, N.D.	ICMR-TF	Dhaliwal,R.S., Dr. (M) Scientist G & Head Indian Council of Medical Research Ansari Nagar New Delhi - 110 029 Delhi	10.74	36
2887	ICMR- Young Diabetes Registry (YDR) & YDR Cohort-Phase-III, Manipal	ICMR-TF	Shivashankar,K.N., Dr. (M) Professor Kasturba Medical College Manipal University, Madhav Nagar Manipal - 576 104 Karnataka	23.31	36
2888	ICMR- Young Diabetes Registry (YDR) & YDR cohort-Phase-III-Chennai	ICMR-TF	Mohan,V., Dr. (M) Madras Diabetes Research Foundation 4, Conaran Smith Road, Gopalapuram Chennai - 600 086 Tamil Nadu	97.50	36
2889	ICMR- Young Diabetes Registry (YDR) & YDR Cohort-Phase-III-Hinduja, Mumbai	ICMR-TF	Chadha,M., Dr. (M) Consultant P.D. Hinduja National Hospital & Medical Research Centre Mahim West, Veer Savarkar Marg Mumbai - 400 016 Maharashtra	26.06	36



BROAD SUBJECT AREA : MEDICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
2890	Identification of the barrier for the choice of clean cooking fuel & its uses including impact of clean cooking fuel programme (PMUY) on health related Quality of Life (IC-QoL)	ICMR-TF	Khaiwal,R., Dr. (M) Postgraduate Institute of Medical Education & Research Sector 12 Chandigarh - 160 023 Chandigarh	40.12	33
2891	Impact of Covid-19 on maternal & child health services in India	ICMR-TF	Kumar,D., Mr. (M) Scientist E ICMR-National Institute for Research in Tuberculosis Chennai - 600 031 Tamil Nadu	22.51	4
2892	Impact of improved diagnostic tools practices training & communication on acute fever case management & antibiotic prescription for children, adolescents & adults presenting at outpatient facilities in civil hospital, Manimajra	ICMR-TF	Taneja,N., Prof. (F) Postgraduate Institute of Medical Education & Research Chandigarh - 160 012 Chandigarh	21.13	16
2893	Indian Multiple sclerosis & allied demyelinating disorders registry & research network - AllMS, New Delhi	ICMR-TF	Bhatia,R., Dr. (M) Professor All India Institute of Medical Sciences Ansari Nagar New Delhi - 110 029 Delhi	16.87	60
2894	Integrated genomics & epidemiological surveillance of multi-drug resistant extensively drug resistant & hypervirulent klebsiella pneumonia in India	ICMR-TF	Balaji,V., Prof. (M) Christian Medical College & Hospital Vellore - 632 004 Tamil Nadu	39.56	24
2895	Laboratory surveillance system for antimicrobial resistance in community settings & understanding the perception & determinants leading to antimicrobial mis (Use) in rural settings of Odisha	ICMR-TF	Bhattacharya,D., Mr. (M) Scientist D ICMR-Regional Medical Research Centre Bhubaneswar - 751 023 Odisha	92.78	36
2896	Mental health & social stigma among healthcare personnel involved in the management of Covid-19 patients in India	ICMR-TF	Venkateswaran,C., Ms. (F) ICMR-National Institute of Cholera & Enteric Diseases Kolkata - 700 010 West Bengal	33.23	2
2897	Nationwide study to estimate incidence, mortality, morbidity & economic burden due to snake bite in India - NIRRH, Mumbai	ICMR-TF	Mahale,S., Dr. (F) ICMR-National Institute for Research in Reproductive Health Jehangir Merwanji Street, Parel Mumbai - 400 012 Maharashtra	39.77	24
2898	Neodevelopmental outcomes in infants undergoing surgery for congenital heart defects - A perspective multicenter cohort study - AIMS, Kochi	ICMR-TF	Kumar,R.K., Dr. (M) Amrita Vishwa Vidyapeetham Ponekkara Kochi - 682 041 Kerala	21.01	40
2899	Neodevelopmental outcomes in infants undergoing surgery for congenital heart defects - A perspective multicenter cohort study - Kerela	ICMR-TF	Jain,S., Dr. (M) Bai Jerbai Wadia Hospital for Children Mumbai - 400 012 Maharashtra	12.23	48
2900	Pan-India characterization of the plasmodium field isolates available in malaria parasite repository for drug resistance genes & other molecular markers	ICMR-TF	Singh,V., Ms. (F) Scientist F ICMR-National Institute of Research In Tribal Health Jabalpur - 482 003 Madhya Pradesh	58.73	24
2901	Reinstating & sustaining the maternal & child health services during & after the Covid crisis	ICMR-TF	Das,M.K., Mr. (M) Director Project ICMR-National Institute for Research in Tuberculosis Chennai - 600 031 Tamil Nadu	11.81	4
2902	Spatial epidemiological approach to malaria elimination research (Seamer)	ICMR-TF	Sharma,A.K., Mr. (M) Director Healthy Aging India ( HAI) New Delhi - 110 014 Delhi	68.62	24

**BROAD SUBJECT AREA : MEDICAL SCIENCES**

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
2903	Strengthening of malaria slide bank & external quality assurance programme for microscopy	ICMR-TF	Sinha,A., Mr. (M) Scientist E ICMR-National Institute of Malaria Research New Delhi - 110 077 Delhi	18.37	36
2904	Study on persistence of high-risk HPV infection & its association with specific epigenetic markers & Hla-class-II gene polymorphism among adult females for northeast India	ICMR-TF	Borkakoty,B., Mr. (M) Scientist F ICMR-National Institute of Malaria Research New Delhi - 110 077 Delhi	151.60	35
2905	Study on the hepatitis B virus vaccine response among HIV-I infected individuals- A multicenter study	ICMR-TF	Iqbal,S., Mr. (M) Assistant Professor ICMR-Vector Control Research Centre Puducherry - 605 006 Puducherry	59.68	24
2906	Study to evaluate the effectiveness of BCG vaccine in reducing morbidity & mortality in elderly individuals in covid-19 hotspots in India	ICMR-TF	Tripathy,S., Mr. (M) Scientist G Kalinga Institute of Industrial Technology University Bhubaneswar - 751 024 Odisha	574.37	14
2907	Surveillance of Foodborne pathogens (Fbp) from north-east India	ICMR-TF	Devi,U., Ms. (F) Scientist D Y.R. Gaitonde Centre for AIDS Research & Education Voluntary Health Services Hospital Chennai - 600 010 Tamil Nadu	487.17	36
2908	To evaluate efficacy of Bacillus calmette-guerin (Bcg) in reducing the incidence & severity of Covid-19 in the high-risk population (Bric): A Phase III, multicentric, quadruple blind randomized controlled trial	ICMR-TF	Sinha,S., Prof. (M) All India Institute of Medical Sciences New Delhi - 110 029 Delhi	200.57	24
2909	To pilot a feasibility study on the positive utility of community-intensive strategies of peer education, effective public communication, crisis response & creating & creating an enabling environment as part of an integrated response for Covid-19 care	ICMR-TF	Chowdhury,A., Mr. (M) Secretary ICMR-National Aids Research Institute Pune - 411 026 Maharashtra	8.47	4
2910	Tracking antimicrobial & efficiency of malaria diagnostics in tribal areas of India to achieve elimination goals	ICMR-TF	Bharti,P.K., Mr. (M) Scientist D University College of Medical Sciences Guru Teg Bahadur Hospital New Delhi - 110 095 Delhi	45.92	36
2911	Tracking the elimination of malaria in Odisha state: Evidence to corroborate the decline of malaria to the status of zero transmission	ICMR-TF	Shriram,A.N., Mr. (M) Scientist C ICMR-Vector Control Research Centre Puducherry - 605 006 Puducherry	57.99	36
2912	Transmission of malaria during pilgrimage walks in western Rajasthan	ICMR-TF	Singh,H., Mr. (M) Scientist E Aligarh Muslim University Aligarh - 202 001 Uttar Pradesh	44.02	24
2913	Validation of dry swab RNA extraction free method of diagnostic test compared with the standard RT-PCR method for Sars-Co-V2: A multicentric study	ICMR-TF	Mane,A., Ms. (F) Scientist E ICMR-National Institute of Immunohaematology Mumbai - 400 012 Maharashtra	1.90	4
2914	Digitally connected tribal colonies	MEITY-R&D	Devanand,P., Mr. (M) Scientist E Centre for Development of Advanced Computing (C-DAC) Thiruvananthapuram - 695 033 Kerala	983.97	36

Total Cost of 580 Projects Under: **Medical Sciences** 24,704.04

## BROAD SUBJECT AREA : PHYSICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
2915	Gauge & gravitational symmetries in nonrelativistic theories: Formalism & applications	CSIR-ES	Banerjee,R., Dr. (M) S.N. Bose National Centre for Basic Sciences Department of Theoretical Sciences Kolkata - 700 106 West Bengal	8.55	36
2916	Production of non-Newtonian fluid based Indian certified reference materials (BND) for viscosity & the scaling up of nanomagnetic fluid based Milli Watt (MW) level electric power generator for societal usage	CSIR-ES	Pant,R.P., Dr. (M) CSIR-National Physical Laboratory Division of Bharatiya Nirdeshak Dravya New Delhi - 110 012 Delhi	10.20	36
2917	Quantum vortex dynamics in Bose-Einstein condensates	CSIR-ES	Dey,B., Dr. (M) Savitribai Phule Pune University Department of Physics Pune - 411 007 Maharashtra	10.20	36
2918	Durable ceramic thin film cathodic materials for efficient energy devices	CSIR-SS	Muthuraaman,B., Dr. (M) Madras University Department of Energy Chennai - 600 025 Tamil Nadu	5.85	24
2919	Study of polarimetric parameters from laser speckle	CSIR-SS	Singh,R.K., Dr. (M) Indian Institute of Technology (BHU) Department of Physics Varanasi - 221 005 Uttar Pradesh	16.00	36
2920	Development of a self-consistent physics based predictive model for the computation of THz window frequency signal attenuation in fog with varying visibility & in rain with varying rain rates	DRDO-ER & IPR	Mukherje,M., Dr. (F) Professor Adamas University Department of Physics, North 24 Parganas Kolkata - 700 126 West Bengal	22.64	24
2921	Development of reactor for epitaxial growth of B-Ga2O3 & demonstration of power transistors & UV detectors	DRDO-ER & IPR	Nath,D.N., Mr. (M) Assistant Professor Indian Institute of Science Centre for Nano Science & Engineering Bengaluru - 560 012 Karnataka	254.16	36
2922	Department of an Atomic Layer Deposition System	DST-DDP	Jinesh,K.B., Dr. (M) Associate Professor Indian Institute of Space Science & Technology Department of Physics Thiruvananthapuram - 695 547 Kerala	113.09	36
2923	Higher endurance relocatable crewless aircraft on reconnaissance aerostat	DST-DDP	Pant,R.S., Prof. (M) Indian Institute of Technology (Bombay) Department of Aerospace Engineering, Powai Mumbai - 400 076 Maharashtra	107.14	36
2924	Rotorcraft for scout operation at high altitudes & low air density region	DST-DDP	Mohan,R., Prof. (M) Assistant Professor Indian Institute of Technology (Madras) Department of Aerospace Chennai - 600 036 Tamil Nadu	126.46	36
2925	A novel heterostructure architecture for photodetection & photo-enhanced electron emission applications	DST-IBC	Mitra,J., Dr. (M) Indian Institute of Science Education & Research (Trivandrum) Thiruvananthapuram - 695 551 Kerala	9.04	36
2926	Ab initio search for topological Mott insulators	DST-IBC	Mahadevan,P., Prof. (F) S.N. Bose National Centre for Basic Sciences Kolkata - 700 106 West Bengal	30.31	36
2927	Charge & spin blockade in ultrathin-layers of single molecule magnets	DST-IBC	Pal,A.J., Prof. (M) Indian Association for the Cultivation of Science Jadavpur Kolkata - 700 032 West Bengal	5.61	36

## BROAD SUBJECT AREA : PHYSICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
2928	Design & characterization of novel perovskite semiconductors for understanding & elimination of non-radioactive losses	DST-IBC	Bag,M., Dr. (M) Indian Institute of Technology (Roorkee ) Roorkee - 247 667 Uttarakhand	35.16	36
2929	Design of novel layered materials in bulk and 2D form for thermal energy harvesting	DST-IBC	Soni,A., Dr. (M) Indian Institute of Technology (Mandi) Mandi - 175 005 Himachal Pradesh	38.37	36
2930	Development of high strength & low young's modulus, bioactive & antibacterial porous titanium structures for orthopaedics implants	DST-IBC	Babu,N.R., Dr. (M) National Institute of Technology (Tiruchirapalli) Department of Metallurgical & Materials Engineering Tiruchirappalli - 620 015 Tamil Nadu	36.45	36
2931	Development of hydrophobic & super hydrophobic nanostructured materials for solar cell applications	DST-IBC	Balakumar,S., Prof. (M) Madras University Chennai - 600 005 Tamil Nadu	10.52	36
2932	Development of InAlN/GaN high electron mobility transistor prototype for mm-wave electronic applications	DST-IBC	Sarkar,B., Dr. (M) Indian Institute of Technology (Roorkee ) Roorkee - 247 667 Uttarakhand	5.64	36
2933	Development of the scientific basis for the creation of effective high molecular weight surfactants that improve the technological properties of disperse systems	DST-IBC	Latha,M.S., Dr. (F) Sri Venkateswara College of Engineering Bengaluru - 562 157 Karnataka	13.58	36
2934	Development of ultrahigh-repetition-rate solution light sources based on high-quality optical waveguide resonators	DST-IBC	Varshney,S.K., Dr. (M) Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	53.38	36
2935	Dynamic remagnetization & heating effect in systems of ferro/ferrimagnetic nanoparticles	DST-IBC	Philip,J., Prof. (M) Indira Gandhi Centre for Atomic Research Kalpakkam - 603 102 Tamil Nadu	13.75	36
2936	Fabrication of low power consuming inverted nearinfra red AMOLEDs	DST-IBC	Pal,B.N., Dr. (M) Indian Institute of Technology (BHU) Varanasi - 221 005 Uttar Pradesh	47.82	36
2937	Harnessing solar energy to attain near zero carbon emission brine treatment	DST-IBC	Swaminathan,J., Dr. (M) Indian Institute of Technology (Gandhinagar) Gandhinagar - 382 355 Gujarat	32.97	36
2938	Harnessing the potential of renewable energy (solar/wind) for sustainable building energy management through compressed air energy storage	DST-IBC	Gayathri,V., Dr. (F) Vellore Institute of Technology University Vellore - 632 014 Tamil Nadu	43.32	36
2939	High-throughput synthesis of non-spherical plasmonic nanoparticles for applications in sensing	DST-IBC	Mani,E., Dr. (M) Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	41.74	36
2940	Improving building energy demand predictions in smart cities through sensor observations & considerations of landscape characteristics	DST-IBC	Parthak,P.A., Dr. (M) Flame University Pune - 412 115 Maharashtra	30.31	36
2941	Investigation on the physical & optical performances of Er <sup>3+</sup> /Yb <sup>3+</sup> co-doped silica phosphate glasses to develop high gain laser materials with enhanced wave guide optical application	DST-IBC	Geetha,D., Dr. (F) Anna University Chennai - 600 025 Tamil Nadu	8.70	36

BROAD SUBJECT AREA : PHYSICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
2942	Large area micro bolometer uncooled focal plane arrays for thermal imaging	DST-IBC	Singh,M., Prof. (M) Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	60.68	36
2943	Manipulation of static & dynamic properties of oxide hetero-structures	DST-IBC	Middey,S., Prof. (M) Indian Institute of Science Bengaluru - 560 012 Karnataka	41.04	36
2944	Microfluidic two-photon lithography-raman spectroscopy TPL-RS system for 3D printing functional microdevices	DST-IBC	Karuvath,Y., Dr. (M) CSIR-National Institute for Interdisciplinary Science & Technology Thiruvananthapuram - 695 019 Kerala	31.19	36
2945	Nanodos - synthesis of nano-phosphors & spin trapping nano-crystals as energy-independent dosimeters for radiotherapy beams	DST-IBC	Pandey,A., Dr. (M) Sri Venkateswara College Delhi University New Delhi - 110 021 Delhi	32.55	36
2946	New barrier encapsulation for flexible energy storage & PV devices	DST-IBC	Ramamurthy,P.C., Prof. (M) Indian Institute of Science Department of Materials Engineering, E-311 Bengaluru - 560 012 Karnataka	63.86	36
2947	Novel N4 macrocycles as efficient catalysts for the clean energy production	DST-IBC	Lokesh,K.S., Dr. (M) Vijayangara Sri Krishnadevaraya University Bellary - 583 105 Karnataka	17.80	36
2948	Parametric interactions of femtosecond laser pulses in nonlinear photonic (quasi-phase matched) crystals as source of multi-wavelength ultra-short pulses	DST-IBC	Pandiyar,S.K., Dr. (M) SASTRA University Thanjavur - 613 401 Tamil Nadu	16.79	36
2949	Permanent dropwise condensation via amphiphilic additives in vapor phase	DST-IBC	Raj,R., Dr. (M) Indian Institute of Technology (Patna) Patna - 801 106 Bihar	30.33	36
2950	Photo-switchable & magnetic photo-switchable ionic liquids theory & experiments	DST-IBC	Rajaraman,G., Prof. (M) Indian Institute of Technology (Bombay) Mumbai - 400 076 Maharashtra	11.77	36
2951	Quasi-two-dimensional perovskite light-emitting diodes	DST-IBC	Kabra,D., Prof. (M) Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	40.93	36
2952	Search for variable stars in star clusters	DST-IBC	Yadav,R.S., Dr. (M) Aryabhata Research Institute of Observational Sciences Nainital - 263 002 Uttarakhand	14.24	36
2953	Solution processed up-conversion luminescent nanoparticle self-assembly for development of electron beam excitation assisted high-resolution optical microscope	DST-IBC	Thangaraju,D., Dr. (M) P.S.G. Institute of Technology & Applied Research Department of Physics Coimbatore - 641 062 Tamil Nadu	5.38	36
2954	Space weather consequences of coronal mass ejections	DST-IBC	Srivastava,N., Dr. (F) Physical Reserch Laboratory Udaipur - 313 001 Rajasthan	18.46	36
2955	Spectrum defragmentation management in elastic optical networks using machine learning	DST-IBC	Chatterjee,B.C., Dr. (M) South Asian University Department of Computer Science & Engineering New Delhi - 110 021 Delhi	6.60	36

## BROAD SUBJECT AREA : PHYSICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
2956	Topology & magnetism in novel quantum materials	DST-IBC	Chatterjee,R., Prof. (F) Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	55.98	36
2957	Tuning solid electrolytes for efficient solid state li-io batteries	DST-IBC	Mitra,S., Prof. (M) Indian Institute of Technology (Bombay) Department of Energy Science & Engineering, Powai Mumbai - 400 076 Maharashtra	26.98	36
2958	Unveiling the physical structure & chemical composition of hot molecular cores by observation & astrochemical model	DST-IBC	Das,A., Dr. (M) Indian Centre for Space Physics Kolkata - 700 084 West Bengal	9.60	36
2959	Warrants for automation of toll plazas under mixed traffic conditions	DST-IBC	Dhamaniya,A., Dr. (M) Sardar Vallabhbhai National Institute of Technology Surat - 395 007 Gujarat	7.67	36
2960	Emergent properties of two-dimensional materials	DST-IRHPA	Maiti,P.K., Dr. (M) Professor Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	223.56	60
2961	Aesthetically acceptable, breath friendly triboelectric facemasks: Design, fabrication, testing & technology translation	DST-N-M	Chatterjee,R., Prof. (F) Indian Institute of Technology (Delhi) New Delhi - 110 016 Delhi	115.39	36
2962	Atomically-thin photonic devices as hosts of single-photons and entangled-photon pairse mitters & single-spins for quantum sciences & technologies	DST-N-M	Kumar,S., Dr. (M) Indian Institute of Technology (Goa) Goa - 403 401 Goa	214.50	36
2963	Chiral plasmonic nano gap platforms for giant THz circular dichroism	DST-N-M	Vasa,P., Prof. (F) Indian Institute of Technology (Bombay) Mumbai - 400 076 Maharashtra	74.39	36
2964	Design & fabrication of wide-band rejection shield using multilayers of periodic resonator array sand carbon-based nano composites	DST-N-M	Kale,S., Dr. (F) Defence Institute of Advanced Technology Department of Applied Physics Pune - 411 025 Maharashtra	30.48	36
2965	Emergent phases in 2D quantum materials & hetero structures	DST-N-M	Sahoo,P.K., Prof. (M) Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	434.85	60
2966	Nano-devices with correlated quantum materials	DST-N-M	Hossain,Z., Prof. (M) Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	316.08	36
2967	Tuning of magnetic skyrmionic spin structure inferri magnetic nano structure for data storage application	DST-N-M	Mohanty,J.R., Dr. (M) Indian Institute of Technology (Hyderabad) Sangareddy - 502 285 Telangana	120.00	36
2968	A state-of-the-art 4 K closed cycle refrigerator for understanding & optimizing novel emergent properties of quantum materials	DST-SERB-CRG	Bhattacharyya,A., Dr. (M) Assistant Professor Ramakrishna Mission Vidyamandira G.T. Road, P.O. Belur Math Howrah - 711 202 West Bengal	32.27	36
2969	Bright radiation sources from intense laser matter interaction	DST-SERB-CRG	Ramakrishna,B., Dr. (M) Assistant Professor Indian Institute of Technology (Hyderabad) Kandi Village Sangareddy - 502 285 Telangana	22.11	36

## BROAD SUBJECT AREA : PHYSICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
2970	Brownian dynamics studies on depinning, melting & dynamics phases of driven partially pinned vortex lattice	DST-SERB-CRG	Joseph,T., Dr. (M) Assistant Professor Birla Institute of Technology & Science (Pilani ) 17b Bypass Road, Sancoale Zuarinagar - 403 001 Goa	18.19	36
2971	Bulk unidirectional growth of organo metallic trihalides (Mapbx <sub>3</sub> , X=Br & Cl) perovskite single crystals for high energy radiation detectors	DST-SERB-CRG	Krishnaswamy,S., Dr. (M) Professor & Director Alagappa University Department of Physics, Alagappa Puram Karaikudi - 630 003 Tamil Nadu	42.43	36
2972	Charge transfer dynamics in non-fullerene small molecule organic solar cell	DST-SERB-CRG	Raavi,S., Dr. (M) Associate Professor Indian Institute of Technology (Hyderabad) Kandi Village Sangareddy - 502 285 Telangana	61.21	36
2973	Charge transport & interfacial studies of Ptse <sub>2</sub> /Mos <sub>2</sub> Van der Waals heterojunction & its application for near infrared photodetectors	DST-SERB-CRG	Kumar,M., Dr. (M) Associate Professor Indian Institute of Technology (Ropar) Nangal Road, Hussainpur Rupnagar - 140 001 Punjab	38.72	36
2974	Collective dynamics of interacting, nonlinear oscillators driven by coherent noise	DST-SERB-CRG	Gupta,S., Dr. (M) Associate Professor Ramakrishna Mission Vidyamandira G.T. Road, P.O. Belur Math Howrah - 711 202 West Bengal	40.11	36
2975	Computing with spin torque nano oscillators: Applications to frequency & power enhancement	DST-SERB-CRG	Chandrasekar,V.K., Dr. (M) Sr. Assistant Professor SASTRA University Thirumalaisamudram Thanjavur - 613 401 Tamil Nadu	14.07	36
2976	Connecting navier-stokes equation with dynamical equations in gravity: A new perspective	DST-SERB-CRG	Majhi,B.R., Dr. (M) Assistant Professor Indian Institute of Technology (Guwahati) Surjyamukhi Road, North Amingaon Guwahati - 781 039 Assam	21.27	36
2977	Control of self-organization of active colloids by external fields	DST-SERB-CRG	Saha,A., Dr. (M) Assistant Professor Calcutta University 87/1, College Street Kolkata - 700 073 West Bengal	28.61	36
2978	Control on the relaxor behavior through cation engineering in lead free disordered ferroelectrics to attain the optimum recoverable energy storage density	DST-SERB-CRG	Asthana,S., Prof. (M) Indian Institute of Technology (Hyderabad) Kandi Village Sangareddy - 502 285 Telangana	48.44	36
2979	Controlling heat flow at nanoscale: A versatile approach to generate sustainable energy from waste heat	DST-SERB-CRG	Bandyopadhyay,M.K., Dr. (M) Assistant Professor Indian Institute of Technology (Bhubaneswar) Arugul, Jatni Bhubaneswar - 752 050 Odisha	21.77	36
2980	Crystallographic orientation (Lattice plane) dependent selective gas sensing: A new approach in Metal-oxides (Mox) based gas sensor	DST-SERB-CRG	Gangopadhyay,S., Dr. (M) Associate Professor Birla Institute of Technology & Science (Pilani ) Vidya Vihar Pilani - 333 031 Rajasthan	22.37	36
2981	Deciphering the role of entrance channel parameters in break-up fusion reactions	DST-SERB-CRG	Singh,B.P., Prof. (M) Aligarh Muslim University Aligarh - 202 001 Uttar Pradesh	23.47	36
2982	Defects & doping in soft semiconductors	DST-SERB-CRG	Nayak,P.K., Dr. (M) Reader Tata Institute of Fundamental Research TIFR Centre for Interdisciplinary Sciences, 2, Brundavan Colony, Narsingi Hyderabad - 500 046 Telangana	43.31	36

## BROAD SUBJECT AREA : PHYSICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
2983	Design & development of dielectric barrier discharge based flat Vuv/Uv excimer light sources for advanced applications in health & medicine	DST-SERB-CRG	Prakash,R., Dr. (M) Associate Professor Indian Institute of Technology (Jodhpur) NH 65, Surpura Bypass Road, Karwar Jodhpur - 342 030 Rajasthan	62.13	36
2984	Design & development of photoacoustic imaging system for clinical research	DST-SERB-CRG	Ghosh,D., Dr. (F) Senior Scientist CSIR-Central Glass & Ceramic Research Institute 196, Raja S.C. Mullick Road Kolkata - 700 032 West Bengal	43.27	36
2985	Designer thin film heterostructure of quantum materials	DST-SERB-CRG	Samal,D., Dr. (M) Reader F Institute of Physics Sachivalaya Marg Bhubaneswar - 751 005 Odisha	32.81	36
2986	Designing high efficiency thermoelectrics from high entropy half heuster alloys using defects & disorder engineering	DST-SERB-CRG	Ravindran,P., Prof. (M) Central University of Tamil Nadu C/o Collectorate Annexe Tiruvurur - 610 005 Tamil Nadu	28.42	36
2987	Development & characterization of metal reduced carbon nanomaterials - composite nanofibrous membrane for paper based optical biosensor for Malaria detection	DST-SERB-CRG	Painuly,D., Dr. (F) Scientist E3 Hindustan Latex Limited Latex Bhavan, Poojappura Thiruvananthapuram - 695 031 Kerala	29.26	36
2988	Development & performance evaluation of ferroelectric tandem solar cells	DST-SERB-CRG	Mandal,D., Dr. (M) Scientist E Institute of Nano Science & Technology Phase 10, Sector 64 Mohali - 140 306 Punjab	42.30	36
2989	Development of doped nano-chromites for enhancement of magnetodielectric properties	DST-SERB-CRG	Mund,H.S., Dr. (M) Assistant Professor Jai Prakash University NH 9, Sadhapur Chhapra - 841 301 Bihar	8.36	36
2990	Development of multicolor light sheet based optical interrogation system for biological imaging	DST-SERB-CRG	Mondal,P., Prof. (M) Associate Professor Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	45.65	36
2991	Development of new generation ferrite based rare earth-free permanent magnets	DST-SERB-CRG	Mutta,V., Dr. (F) Scientist CSIR-Indian Institute of Chemical Technology Uppal Road, Tarnaka Hyderabad - 500 007 Telangana	34.17	36
2992	Development of phosphor-in-glass materials for efficient white light generation	DST-SERB-CRG	Kumar,A.R., Dr. (M) Assistant Professor Grade 1 National Institute of Technology (Andhra Pradesh) Tadepalligudem Godavari - 534 101 Andhra Pradesh	30.44	36
2993	Development of Pt-based ternary Oxygen reduction reaction(Orr) catalyst with low Pt loading by simultaneous sputtering method for Proton exchange membrane (Pem) fuel cell	DST-SERB-CRG	Chutia,J., Prof. (F) Emeritus Scientist Institute of Advanced Study in Science & Technology Paschim Boragaon, Garchuk Guwahati - 781 035 Assam	21.28	36
2994	Development of random laser spectroscopy as a probe to study the evolution of polymer thin films	DST-SERB-CRG	Bhaktha,S.B., Dr. (M) Associate Professor Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	46.31	36
2995	Development of transfer-free graphene/Mos <sup>2</sup> van der waals vertical hetrostructures by oxygen-mediated/intercalation-assisted chemical vapor deposition for on-chip-integrated high-performance photodetector arrays	DST-SERB-CRG	Samyounder,C., Dr. (M) Assistant Professor S.R.M. Institute of Sciences & Technology Department of Research, S.R.M. Nagar Kattankulathur - 603 203 Tamil Nadu	50.79	36



BROAD SUBJECT AREA : PHYSICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
2996	Development of ultrasensitive Mems magentic sensors for flexible electronics	DST-SERB-CRG	Walia,D.K., Prof. (F) Indian Institute of Technology (Roorkee ) Roorkee-Haridwar Highway Roorkee - 247 667 Uttarakhand	66.44	36
2997	Developmnt of particle identification set-up for multi-nucleon transfer reactions	DST-SERB-CRG	Devi,S., Dr. (F) Assistant Professor Thapar Institute of Engineering & Technology Adarsh Ngar, Prem Nagar Patiala - 147 004 Punjab	35.16	36
2998	Driving perovskite photovoltaics towards next generation solar cells through computational material engineering	DST-SERB-CRG	Senthilkumar,K., Dr. (M) Associate Professor Bharathiar University Maruthamalai Road Coimbatore - 641 046 Tamil Nadu	22.70	36
2999	Dynamically tunable resonance behavior in Terahertz metamaterials using 2-D materials	DST-SERB-CRG	Kumar,G., Dr. (M) Associate Professor Indian Institute of Technology (Guwahati) Surjyamukhi Road, North Amingaon Guwahati - 781 039 Assam	74.36	36
3000	Electric field control of exchange bias in Fm/Afm hybrid multilayers for energy efficient spintronic applications	DST-SERB-CRG	Jammalamadaka,S., Prof. (M) Associate Professor Indian Institute of Technology (Hyderabad) Kandi Village Sangareddy - 502 285 Telangana	45.14	36
3001	Elucidating the Nir-to-visible up-conversion of innovative molybdate nano-phosphors for bio-imaging applications	DST-SERB-CRG	Singh,J., Dr. (M) Associate Professor Guru Ghasidas University Koni Bilaspur - 495 009 Chhattisgarh	42.06	36
3002	Engineering two-dimensional nanostructures for drug carrier applications	DST-SERB-CRG	Ravindran,V., Dr. (F) Assistant Professor Anna University Guindy Chennai - 600 025 Tamil Nadu	34.36	36
3003	Environmental control of topology & dynamics of quantum systems in application to quantum information	DST-SERB-CRG	Dutta,A., Prof. (M) Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	33.37	36
3004	Eploration of skyrmionic materials	DST-SERB-CRG	Patra,A.K., Dr. (M) Associate Professor Central University of Rajasthan NH 8, Bandar, Sindri Ajmer - 305 817 Rajasthan	45.62	36
3005	Experimental & theoretical investigations of ultra-thin two-dimensional semiconductor heterostructures & their application to make nano-scale devices	DST-SERB-CRG	Kannan,E.S., Dr. (M) Associate Professor Birla Institute of Technology & Science (Pilani ) NH 17B, By-pass Road, Sancoale Zuarinagar - 403 726 Goa	46.14	36
3006	Experimental exploration of complex flows & material properties in granular & biopolymer-based active matter systems	DST-SERB-CRG	Kumar,N., Prof. (M) Assistant Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	54.12	36
3007	Exploration of physical properties of Heusler alloys - A prospective class of multi-functional material	DST-SERB-CRG	Mukherjee,K., Dr. (M) Associate Professor Indian Institute of Technology (Mandi) VPO Kamand, Tehsil Sadar, Parashar Road Mandi - 175 001 Himachal Pradesh	49.87	36
3008	Exploring quantum & thermal fluctuations in frustrated magnets at low temperature	DST-SERB-CRG	Kumar,M., Dr. (M) Associate Professor S.N. Bose National Centre for Basic Sciences Block-JD, Sector III, Salt Lake Kolkata - 700 106 West Bengal	58.68	36

BROAD SUBJECT AREA : PHYSICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
3009	Fabrication & characterization of band structure engineered TiO <sub>2</sub> nanotubes for photocatalysis & antimicrobial applications	DST-SERB-CRG	Philip,R.R., Dr. (F) Assistant Professor Union Christian College Aluva Ernakulam - 683 102 Kerala	27.58	36
3010	Fabrication of homogeneous plastic scintillators by thermal polymerization reaction for fast neutron detection applications	DST-SERB-CRG	Rajesh,P., Dr. (M) Assistant Professor Sri Sivasubramaniya Nadar College of Engineering Rajiv Gandhi Salai (Qmr) Kalavakkam - 603 110 Tamil Nadu	43.09	36
3011	Fabrication of interdigitated dopant free carrier selective C-Si solar cell by scalable process with open circuit voltage above 700 Mv	DST-SERB-CRG	Antony,A., Dr. (M) Associate Professor Cochin University of Science & Technology Thrikkakara, South Kalamassery Kochi - 682 022 Kerala	35.42	36
3012	Femtosecond laser-assisted anti-microbial contact lenses	DST-SERB-CRG	George,S.D., Dr. (M) Professor Manipal University Manipal Academy of Higher Education Manipal - 576 104 Karnataka	42.02	36
3013	Ferroelectric polarization influence upon magneto resistance in pseudo spin value devices separated with fluoropolymers	DST-SERB-CRG	Gangineni,R.B., Dr. (M) Assistant Professor Pondicherry University Chinna, Kalapet Puducherry - 605 014 Puducherry	55.88	36
3014	Few unit-cell thick Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> + $\Delta$ (Bscoco) superlattices	DST-SERB-CRG	Deshmukh,M.M., Prof. (M) Tata Institute of Fundamental Research Dr. Homi Bhabha Road, Navy Nagar, Colaba Pune - 400 005 Maharashtra	53.99	36
3015	Field theories with Carrollian symmetry	DST-SERB-CRG	Banerjee,K., Dr. (M) Assistant Professor Birla Institute of Technology & Science (Pilani ) NH 17b, Bypass Road, Sancoale Zuarinagar - 403 726 Goa	18.04	36
3016	Generation & assessment of optically addressable point defects in silicon carbide for new quantum technologies	DST-SERB-CRG	Rath,S., Prof. (F) Delhi University New Delhi - 110 021 Delhi	42.46	36
3017	Generation of isolated attosecond pulse of light & its application in investigating attosecond dynamics of small quantum systems	DST-SERB-CRG	Singh,K., Dr. (M) Associate Professor Indian Institute of Science Education & Research (Mohali) Knowledge City, Sector 81, S.A.S. Nagar Mohali - 140 306 Punjab	73.68	36
3018	Glass transition & turbulence in active fluids	DST-SERB-CRG	Joy,A., Dr. (M) Assistant Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	26.51	36
3019	Group III-V inorganic semiconductor clusters for future nanoelectronics applications	DST-SERB-CRG	Roy,D.R., Dr. (M) Associate Professor Sardar Vallabhbhai National Institute of Technology Ichchhanath Surat - 395 007 Gujarat	33.68	36
3020	Growth of semiconductor heterostructure nanolayers for solar cell application	DST-SERB-CRG	Rath,S., Dr. (M) Assistant Professor Indian Institute of Technology (Bhubaneswar) Arugul, Jatni Bhubaneswar - 752 050 Odisha	22.59	36
3021	Higgs physics beyond the standard model at the Lhc	DST-SERB-CRG	Coleppa,B., Dr. (M) Assistant Professor Indian Institute of Technology (Gandhinagar) Palaj Gandhinagar - 382 355 Gujarat	20.77	36

BROAD SUBJECT AREA : PHYSICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
3022	Higher-harmonic generation in gases & solids & their implications in attosecond science	DST-SERB-CRG	Holkundkar,A.R., Dr. (M) Associate Professor Birla Institute of Technology & Science (Pilani ) Vidya Vihar Pilani - 333 031 Rajasthan	23.47	36
3023	Hole transport materials-free fully inorganic mixed halide perovskite solar cells via cost-effective spray method	DST-SERB-CRG	Rameshbabu,R., Dr. (M) Associate Professor Bharathidasan University Mathur, Mandaiyur Tiruchirappalli - 620 024 Tamil Nadu	34.98	36
3024	Inorganic-organic hybrid material for anti-counterfeiting applications	DST-SERB-CRG	Premkumar,H.B., Dr. (M) Assistant Professor M.S. Ramaiah University of Applied Sciences M.S.R. Nagar, Bel Road, Gnanagangothri Campus Bengaluru - 560 054 Karnataka	32.08	36
3025	Integrated photonic wired & free-space transmission architectures to transmit wireless-over-fiber/Ftx/limited Wi-Fi-signals employing different modulation techniques	DST-SERB-CRG	Patra,A.S., Prof. (M) Sidho Kanho Birsha University Sainik School, Ranchi-Purulia Road Purulia - 723 104 West Bengal	24.46	36
3026	Intertwining crystal & orbital symmetries to explore novel nontrivial electronic phases	DST-SERB-CRG	Nanda,B.R., Dr. (M) Associate Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	35.35	36
3027	Investigating molecule-ferromagnet interfaces with atomic resolution for applications in spin-oled	DST-SERB-CRG	Mishra,P., Dr. (M) Assistant Professor Central University of South Bihar Sh-7, Gaya Bela-Panchanpur Road, Karhara, Fatepur Gaya - 824 236 Bihar	43.71	36
3028	Investigating the equation of state of neutron stars via emitted gravitational waves	DST-SERB-CRG	Bhattacharya,S., Dr. (M) Assistant Professor Birla Institute of Technology & Science (Pilani ) Shamirpet-Keesara Road, Jawahar Nagar, Shameerpet Hyderabad - 500 078 Telangana	22.21	36
3029	Investigating the role of methyl ammonium ordering in opto-electronic properties of hybrid perovskites	DST-SERB-CRG	Topwal,D., Dr. (M) Reader F Institute of Physics Sachivalaya Marg Bhubaneswar - 751 005 Odisha	24.02	36
3030	Investigation of large-scale conformational change of a polyelectrolyte under AC field with computer simulation	DST-SERB-CRG	Singh,S.P., Dr. (M) Assistant Professor Indian Institute of Science Education & Research (Bhopal) Indore By-pass Road, Bhauri Bhopal - 462 066 Madhya Pradesh	33.37	36
3031	Investigation of the octupole Excitation & E(5) symmetry breaking for nuclei in A-80 region	DST-SERB-CRG	Rajbanshi,S., Dr. (M) Assistant Professor Presidency University 86/1, College Street Kolkata - 700 073 West Bengal	27.54	36
3032	Investigation of the phosphate & sulfate based polyanionic compounds as cathode materials for Na-ion batteries	DST-SERB-CRG	Dhaka,R.S., Prof. (M) Associate Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	48.62	36
3033	Investigation of the spin current driven excitations in antiferromagnets	DST-SERB-CRG	Roy,D., Dr. (M) Assistant Professor Indian Institute of Technology (Ropar) Nangal Road, Hussainpur Rupnagar - 140 001 Punjab	79.86	36
3034	Investigation of two dimensional transition metal dichalcogenides nanostructures as effective Sers substrates	DST-SERB-CRG	Mishra,A.K., Dr. (M) Assistant Professor Indian Institute of Technology (BHU) Banaras Hindu University Varanasi - 221 002 Uttar Pradesh	43.82	36

## BROAD SUBJECT AREA : PHYSICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
3035	Investigations on ferroelectric & optical properties of some rare-earth based metal-organic frameworks	DST-SERB-CRG	Want,B.A., Dr. (M) Professor Kashmir University Hazratbal Road Srinagar - 190 006 Jammu & Kashmir	52.84	36
3036	Investigations on heavy-quark dynamics in hot magnetised & viscous Qcd medium	DST-SERB-CRG	Chandra,V., Dr. (M) Associate Professor Indian Institute of Technology (Gandhinagar) Palaj Gandhinagar - 382 424 Gujarat	21.13	36
3037	Investigations on porphyrin coated optical fiber sensors based on lossy mode resonances	DST-SERB-CRG	Verma,R.K., Dr. (M) Assistant Professor Central University of Rajasthan NH 8, Bandar Sindri Ajmer - 305 817 Rajasthan	29.17	36
3038	Ionic-copolymer melts: Behaviour near electrified interface, structural reorganization & response under mechanical shear	DST-SERB-CRG	Shagolsem,L.S., Dr. (M) Assistant Professor National Institute of Technology (Manipur) Langol Road, Lamphelpat Imphal - 795 001 Manipur	29.48	36
3039	Josephson transport across coupled quantum dots	DST-SERB-CRG	Ajay, Prof. (M) Associate Professor Indian Institute of Technology (Roorkee ) Roorkee-Haridwar Highway Roorkee - 247 667 Uttarakhand	25.93	36
3040	Lifetime measurements of excited states in $^{66}\text{Zn}$ & $^{66}\text{Ga}$ using doppler-shift attenuation method	DST-SERB-CRG	Mukherjee,B., Dr. (M) Assistant Professor Stage III Visva Bharati University Bolpur Santiniketan - 731 235 West Bengal	20.87	36
3041	Magneto transport studies in 2d materials	DST-SERB-CRG	Balakrishnan,J., Dr. (M) Assistant Professor Indian Institute of Technology (Palakkad) Ahila Integrated Campus, District Palakkad Kozhippara - 678 557 Kerala	45.28	36
3042	Metal decorated graphene nanoribbons for bioelectronics application	DST-SERB-CRG	Lahiri,J., Dr. (F) Assistant Professor Banaras Hindu University Pandit Madan Mohan Malviya Road Varanasi - 221 005 Uttar Pradesh	36.41	36
3043	Microscopic study of shape evolution & exotic nuclear phenomena in even-even nuclei in the mass region $A=120$	DST-SERB-CRG	Devi,R., Dr. (F) Assistant Professor Jammu University Gujarbasti Jammu - 180 016 Jammu & Kashmir	21.44	36
3044	Microswimmer navigation in complex fluids: Studying the dynamical aspects in varied media using a programmable viscoelastic environment	DST-SERB-CRG	Khan,M., Dr. (M) Assistant Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	70.49	36
3045	Molecular dynamics modeling of electrostatic turbulence in dusty plasma	DST-SERB-CRG	Tiwari,S.K., Dr. (M) Assistant Professor Indian Institute of Technology (Jammu) Nagrota Bypass Road Jammu - 181 221 Jammu & Kashmir	31.02	36
3046	New applications on deformed shell model	DST-SERB-CRG	Sahu,R., Dr. (M) Honorary Professor National Institute of Science & Technology Institute Park, Pallur Hills, Golanthara Berhampur - 761 008 Odisha	21.23	36
3047	Nonlinear dynamics (Nld) of long range anti correlated chaotic oscillations in plasmas & application of nonlinear dynamics to condensed matter & dark matter research, Geo-Chemical oscillations from hot springs & chaos control	DST-SERB-CRG	Iyengar,A.S., Prof. (M) Emeritus Scientist Saha Institute of Nuclear Physics Sector 1, Block Af, Bidhan Nagar Kolkata - 700 064 West Bengal	29.91	36

## BROAD SUBJECT AREA : PHYSICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
3048	Novel nuclear structure studies with modern theoretical approaches	DST-SERB-CRG	Rather,N.A., Dr. (M) Assistant Professor Islamic University of Science & Technology Awantipora Pulwama - 192 301 Jammu & Kashmir	30.86	36
3049	Nuclear structure & evolution of collectivity beyond 208 Pb	DST-SERB-CRG	Deo,A.Y., Dr. (M) Assistant Professor Indian Institute of Technology (Roorkee ) Roorkee-Haridwar Highway Roorkee - 247 667 Uttarakhand	42.06	36
3050	Nuclear structure studies of nuclear isomers & their possible applications	DST-SERB-CRG	Jain,A.K., Prof. (M) Hon. Professor & Advisor Amity University Sector 125, Amity Road Noida - 201 301 Uttar Pradesh	17.60	36
3051	Phase transitions in spatially extended dynamical & stochastic systems	DST-SERB-CRG	Gade,P.M., Prof. (M) Rashtrasant Tukadoji Maharaj Nagpur University Civil Lines Nagpur - 440 033 Maharashtra	24.11	36
3052	Photo-ionization structures of (Wr) Pne & Non-(Wr) Pne	DST-SERB-CRG	Muthumariappan,C., Prof. (M) Associate Professor Indian Institute of Astrophysics Block II, Kormangala Bengaluru - 560 034 Karnataka	20.45	36
3053	Photonic crystals of stimuli-responsive microgel particles: As intelligent chemical sensing materials	DST-SERB-CRG	Mohanty,P.S., Dr. (M) Associate Professor Kalinga Institute of Industrial Technology University Patia Bhubaneswar - 751 024 Odisha	33.06	36
3054	Photonic metasurfaces for applications in diffraction & imaging	DST-SERB-CRG	Vijaya,R., Prof. (F) Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	52.51	36
3055	Probing heat transport phenomena at nanoscale using Raman thermometry	DST-SERB-CRG	Pradhan,G.K., Dr. (M) Assistant Professor II Kalinga Institute of Industrial Technology University Patia, KIIT Road Bhubaneswar - 751 024 Odisha	59.50	36
3056	Probing orbital hybridization & structural assymetry in atomic & molecular nano-contact via inelastic electron spectroscopy & shot noise	DST-SERB-CRG	Pal,A.N., Dr. (M) Assistant Professor S.N. Bose National Centre for Basic Sciences Block- JD, Sector III, Salt Lake Kolkata - 700 106 West Bengal	36.12	36
3057	Probing quasar outflows using broad absorption line variability	DST-SERB-CRG	Vivek,M., Dr. (M) Fellow Indian Institute of Astrophysics II Block, Kormangala Bengaluru - 560 034 Karnataka	19.18	36
3058	Quantum phase transitions in two-dimensional topological superconducting systems	DST-SERB-CRG	Bid,A., Dr. (M) Associate Professor Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	48.35	36
3059	Quantum tunnel heterostructure with multiferroic BiO.5NaO.5Ti1-XmxO3 (M=Co, Ni, Fe & Mn) barrier for high speed & efficient four state resistance memories	DST-SERB-CRG	Venkateswaran,C., Prof. (M) Head Madras University Chepauk Campus, Triplicane Chennai - 600 005 Tamil Nadu	37.55	36
3060	Reheating the universe: Decoding the observational signatures	DST-SERB-CRG	Maity,D., Mr. (M) Associate Professor Indian Institute of Technology (Guwahati) Surjyamukhi Road. North Amingaon Guwahati - 781 039 Assam	10.17	36

## BROAD SUBJECT AREA : PHYSICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
3061	Safe usable water at affordable cost: Efficient, human friendly & affordable solution to re-mediate textile dye contaminated water via photo-catalysis using processed nano-particles	DST-SERB-CRG	Chauhan,S.R., Dr. (F) Assistant Professor B.M.L. Munjal University National Highway 8, 67 Km Milestone Gurgaon - 122 413 Haryana	3.47	36
3062	Scattering assisted imaging: Exploiting randomness of the light	DST-SERB-CRG	Singh,R.K., Dr. (M) Associate Professor Indian Institute of Technology (BHU) Banaras Hindu University Varanasi - 221 005 Uttar Pradesh	34.21	36
3063	Search for change of radioactive decay rate under compression & its implications	DST-SERB-CRG	Ray,A., Dr. (M) Ex-Scientific Officer Variable Energy Cyclotron Centre Sector 1, Block Af, Bidhan Nagar Kolkata - 700 064 West Bengal	19.71	36
3064	Search for novel skyrmionic systems probed by theoretical & experimental investigations	DST-SERB-CRG	Suresh,K.G., Prof. (M) Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	43.04	36
3065	Search for the missing links between observation & theory in beyond concordance Acdm model	DST-SERB-CRG	Sen,A.A., Dr. (M) Professor Ahmedabad University Aes Bungalow #2, Navrangpura Ahmedabad - 380 009 Gujarat	43.86	36
3066	Shedding light on dark matter interactions through Cmb, supernovae & global 21 Cm (Edges) experiments data	DST-SERB-CRG	Das,S., Dr. (M) Reader Indian Institute of Astrophysics Block II, Kormangala Bengaluru - 560 034 Karnataka	25.36	36
3067	Silver nanowires & Mos2 microsphere based filtration system for efficient bacterial removal from potable water	DST-SERB-CRG	Bhargav,B., Dr. (M) Research Scientist Sri Sivasubramaniya Nadar College of Engineering Rajiv Gandhi Salai (Omr) Kalavakkam - 603 110 Tamil Nadu	23.67	36
3068	Solid-state thin film rechargeable batteries with solid electrolyte to achieve a wider electrochemical/thermal stability, better safety & long cycle lives with good capacity retention	DST-SERB-CRG	Chattopadhyay,S., Dr. (F) Associate Professor Indian Institute of Technology (Indore) Khandwa Road, Simrol Indore - 453 552 Madhya Pradesh	46.86	36
3069	Spin wave dynamics in ferromagnetic/ferroelectric heterostructures	DST-SERB-CRG	Gorige,V., Dr. (M) Assistant Professor Hyderabad University Hyderabad - 500 046 Telangana	53.90	36
3070	Structural, magnetic & electric investigation of some Mn-based alloys having first order phase transition	DST-SERB-CRG	Chatterjee,S., Dr. (M) Scientist E UGC-DAE Consortium for Scientific Research Sector III, Lb-8, Bidhan Nagar Kolkata - 700 106 West Bengal	33.71	36
3071	Studies on disorder induced quantized vortex dynamics & quantum turbulence in Bose-Einstein condensates	DST-SERB-CRG	Dey,B., Prof. (M) Honorary Adjunct Professor Savitribai Phule Pune University Ganeshkhind Pune - 411 007 Maharashtra	39.09	36
3072	Study & characterization of cardiac dynamics from Ecg signals based on complex network measures & to automate the classification of Arrhythmias using convolutional neural network	DST-SERB-CRG	Jacob,R., Dr. (M) Assistant Professor Rajagiri School of Engineering & Technology Rajagiri Valley Road, Kakkanad Ernakulam - 682 039 Kerala	5.05	36
3073	Study of driven quantum systems: Floquet engineering of novel materials	DST-SERB-CRG	Bandyopadhyay,J.N., Dr. (M) Associate Professor Birla Institute of Technology & Science (Pilani ) Vidya Vihar Pilani - 333 031 Rajasthan	23.91	36

## BROAD SUBJECT AREA : PHYSICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
3074	Study of laboratory plasma through the detailed collisional radiative model & reliable cross-section data calculated for different atomic processes	DST-SERB-CRG	Srivastava,R.I., Prof. (M) Indian Institute of Technology (Roorkee ) Roorkee-Haridwar Highway Roorkee - 247 667 Uttarakhand	23.36	36
3075	Study of reaction mechanisms with P-Nuclei	DST-SERB-CRG	Adhikari,S., Dr. (F) Assistant Professor Techno India University 384, Em 4, Sector V, Salt Lake Kolkata - 700 064 West Bengal	22.11	36
3076	Studying quantum Statistics of the rectification factor	DST-SERB-CRG	Marathe,R.S., Prof. (M) Assistant Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	15.51	36
3077	Studying the Sunyaev Zeldovich effect from Quasar feedback	DST-SERB-CRG	Chatterjee,S., Dr. (F) Assistant Professor Presidency University 86/1, College Street Kolkata - 700 073 West Bengal	19.46	36
3078	Synthesis of magnetic oxides with spinel & bixbyite crystal structures & their composites by electrospinning coaxial polymeric fibers	DST-SERB-CRG	Arulraj,A., Dr. (M) Associate Professor SASTRA University Thirumalaisamudram Thanjavur - 613 401 Tamil Nadu	22.78	36
3079	Tailored microswimmers: Tuning dynamics & non-equilibrium phase behavior	DST-SERB-CRG	Pujala,R.K., Dr. (M) Assistant Professor Indian Institute of Science Education & Research (Tirupati) Karakambadi Road, Rami Reddy Nagar, Mangalam Tirupati - 517 507 Andhra Pradesh	48.62	36
3080	Terahertz spectroscopic probing of quasiparticles across quantum wells of two dimensional Van Der Waals material heterojunctions	DST-SERB-CRG	Kumar,S., Prof. (M) Assistant Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	44.66	36
3081	Theoretical & observational constraints on gravitational physics	DST-SERB-CRG	Sarkar,S., Dr. (M) Associate Professor Indian Institute of Technology (Gandhinagar) Palaj Gandhinagar - 382 355 Gujarat	18.74	36
3082	Thermodynamics of spin-chain: A quantum mechanical approach	DST-SERB-CRG	Biswas,A., Dr. (F) Associate Professor Indian Institute of Technology (Ropar) Nagal Road, Hussainpur Rupnagar - 140 001 Punjab	21.31	36
3083	Thirst for efficient anode materials for sodium ion batteries & all solid device assembly (A minor substitution to Li Ion batteries)	DST-SERB-CRG	Christopherselvin,P., Dr. (M) Professor Bharathiar University Maruthamalai Road Coimbatore - 641 046 Tamil Nadu	41.14	36
3084	Time-averaged & sub-picosecond time-resolved terahertz-spectroscopy to resolve correlated & topological phases in epitaxial engineered heterostructures of 5d metal oxides	DST-SERB-CRG	Rana,D.S., Dr. (M) Professor Indian Institute of Science Education & Research (Bhopal) Bhauri Bhopal - 462 066 Madhya Pradesh	75.57	36
3085	Time-dependent phenomena in low-dimensional systems	DST-SERB-CRG	Gangadharaiah,S., Dr. (M) Assistant Professor Indian Institute of Science Education & Research (Bhopal) Indore By-ass Road, Bhauri Bhopal - 462 066 Madhya Pradesh	19.31	36

BROAD SUBJECT AREA : PHYSICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
3086	Topological phase measurement in one-dimensional periodic & quasi-periodic photonic crystals	DST-SERB-CRG	Das,R., Dr. (M) Associate Professor National Institute of Science Education & Research Tehsildar Office, Khurda, Jatni Bhubaneswar - 752 050 Odisha	59.07	36
3087	Topological phases based on metal-organic framework	DST-SERB-CRG	Kumar,A., Dr. (M) Assistant Professor Indian Institute of Technology (Bhubaneswar) Arugul, Jatni Bhadrak - 781 039 Odisha	78.98	36
3088	Tuning interlayer spacing of two-dimensional materials by Van Der Waal integrations towards capacitive energy storage application	DST-SERB-CRG	Salunkhe,R.R., Prof. (M) Assistant Professor Indian Institute of Technology (Jammu) Nagrota Bypass Road Jammu - 181 221 Jammu & Kashmir	44.93	36
3089	Two dimensional functionalized Mxenes for highly stable & efficient perovskite solar cells	DST-SERB-CRG	Mahajan,A., Dr. (M) Assistant Professor Stage III Guru Nanak Dev University Grand Trunk Road, Off NH 1 Amritsar - 143 005 Punjab	39.73	36
3090	Uniquely identifying Lorentz structure of new physics in semi-leptonic B decays	DST-SERB-CRG	Alok,A.K., Dr. (M) Associate Professor Indian Institute of Technology (Jodhpur) NH 65, Surpura Bypass Road, Karwar Jodhpur - 342 030 Rajasthan	22.19	36
3091	Characterizing cern gas electron multiplier detector & producing the best quality in the country for the future high energy physics experiment & improving radiation therapy in cancer treatment	DST-SERB-EMEQ	Sarkar,A., Dr. (M) Assistant Professor Ramakrishna Mission Residential College Bridge on the Lake, P.O. Narendrapur Kolkata - 700 103 West Bengal	37.54	36
3092	Development & study of solution processable nanomaterial based haptics sensors for bio/robotics application	DST-SERB-EMEQ	Kumar,P., Prof. (M) Assistant Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	34.77	36
3093	Development of printed elastomeric electronic skin for healthcare applications	DST-SERB-EMEQ	Mondal,T., Dr. (M) Assistant Professor Grade 1 Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	48.04	36
3094	Direct & indirect measurements on electrocaloric effect in Abo <sup>3</sup> -type perovskite structured materials for next generation refrigeration technology	DST-SERB-EMEQ	Singh,S., Dr. (M) Associate Professor Jawaharlal Nehru University New Mehrauli Road New Delhi - 110 067 Delhi	31.66	36
3095	High sensitive acetone biomarker for the point of care diagnosis of Diabetic Mellitus based mxenes/metal oxide nanocomposites	DST-SERB-EMEQ	Kalagadda,V., Dr. (M) Professor Jawaharlal Nehru Technological University Department of Nanotechnology, Institute of Science & Technology Hyderabad - 500 085 Telangana	26.15	36
3096	Microscopic understanding of optoelectronic devices using scanning probe microscopy: Band engineering & charge transport properties	DST-SERB-EMEQ	Bera,A., Dr. (M) Assistant Professor Midnapore College Raja Bazar Main Road Midnapore - 721 102 West Bengal	47.90	36
3097	Two dimensional degenerate semiconductor heterojunctions for photovoltaic application	DST-SERB-EMEQ	Kuraganti,V., Dr. (M) Sr. Assistant Professor Vellore Institute of Technology University Tiruvalam Road Vellore - 632 014 Tamil Nadu	44.03	36
3098	Advanced "Water-in-salt" aqueous electrolytes for high voltage hybrid supercapacitors	DST-SERB-SRG	Balasubramaniam,S., Dr. (M) Junior Scientist Central Institute of Plastics Engineering & Technology B/25, CNI Complex, Patia Bhubaneswar - 751 024 Odisha	30.31	24



## BROAD SUBJECT AREA : PHYSICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
3099	Building next-generation Li-Ion capacitors by hybridization of Li-Ion batteries & ultracapacitors: An approach beyond intercalation	DST-SERB-SRG	Vanchiappan,A., Dr. (M) Assistant Professor Indian Institute of Science Education & Research (Tirupati) Karakambadi Road, Rami Reddy Nagar, Mangalam Tirupati - 517 507 Andhra Pradesh	33.00	24
3100	Characterizing quantum computers: Entanglement in noisy quantum error correcting codes	DST-SERB-SRG	Pal,A.K., Dr. (M) Assistant Professor Indian Institute of Technology (Palakkad) Ahalia Integrated Campus, District Palakkad Kozhikode - 678 557 Kerala	22.67	24
3101	Constraining equation of state of the neutron stars with multi-messenger astrophysics	DST-SERB-SRG	Mukherjee,A., Dr. (M) Associate Professor Saha Institute of Nuclear Physics Sector 1, Block-Af, Bidhan Nagar Kolkata - 700 064 West Bengal	13.90	24
3102	Defect engineering in irradiated two dimensional layered materials	DST-SERB-SRG	Singh,A., Dr. (M) Assistant Professor Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	21.73	24
3103	Design & discovery of multiferroic topological materials	DST-SERB-SRG	Narayan,A., Dr. (M) Assistant Professor Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	28.64	24
3104	Designing new 2d heterostructured materials: A definitive path towards next-generation energy storage devices	DST-SERB-SRG	Bhattacharyya,S., Dr. (F) Assistant Professor Grade I Birla Institute of Technology & Science (Pilani ) NH 17b, Bypass Road, Sancoale Zuarinagar - 403 726 Goa	19.73	24
3105	Development of a portable atomic frequency standard based on Coherent population trapping (Cpt) for quantum technology applications	DST-SERB-SRG	Sharma,A., Dr. (M) Assistant Professor Indian Institute of Technology (Tirupati) A Renigunta Road, Post Settipalli Tirupati - 517 506 Andhra Pradesh	28.27	24
3106	Development of hybrid energy materials for photocatalysis: Environment remediation & energy production	DST-SERB-SRG	Nayak,A.K., Dr. (M) Assistant Professor Vellore Institute of Technology University Tiruvalam Road, Katpadi Vellore - 632 014 Tamil Nadu	30.58	24
3107	Disorder, topology & correlations in dirac matter	DST-SERB-SRG	Sharma,G., Dr. (M) Assistant Professor Indian Institute of Technology (Mandi) VPO Kamand, Tehsil Sadar, Parashar Road Mandi - 175 005 Himachal Pradesh	13.62	24
3108	Dynamics in complex environments: From single particle to giant polymers	DST-SERB-SRG	Ghosh,S.K., Dr. (M) Assistant Professor National Institute of Technology (Warangal) Warangal - 506 004 Telangana	14.55	24
3109	Effect of magnetic moment reorientation on the physical & electronic properties in antiferromagnetic topological systems, (Mn1-Xfex)3sn & (Mn1-Xfex)3ge	DST-SERB-SRG	Setti,T., Dr. (M) Assistant Professor S.N. Bose National Centre for Basic Sciences Block Jd, Sector III, Salt Lake Kolkata - 700 106 West Bengal	26.03	24
3110	Examining quantum transport & quantum entanglement in topological Weyl Semimetals & their junctions with superconductors in the presence/absence of high frequency light irradiation	DST-SERB-SRG	Kar,S., Dr. (M) Assistant Professor Aghore Kamini Prakash Chandra Mahavidyalaya Subhash Nagar Hoogly - 712 611 West Bengal	16.43	24
3111	Exploring flavor models in the light of the higgs precision data	DST-SERB-SRG	Das,D., Dr. (M) Assistant Professor Indian Institute of Technology (Indore) Khandwa Road, Simrol Indore - 453 552 Madhya Pradesh	13.99	24

BROAD SUBJECT AREA : PHYSICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
3112	Holography from null-infinity: Curious interactions & (How) do they probe black holes?	DST-SERB-SRG	Basu,R., Dr. (M) Assistant Professor Birla Institute of Technology & Science (Pilani ) NH 17b, Bypass Road, Sancole Zuarinagar - 403 726 Goa	13.66	24
3113	Hybrid organic-inorganic tin halide-based stable perovskite for solar cells	DST-SERB-SRG	Chaudhary,S., Dr. (F) Assistant Professor Punjab Engineering College Sector 12 Chandigarh - 160 012 Chandigarh	33.11	24
3114	In-silico high-throughput study of ultra-thin nanostructures for sustainable & renewable energy	DST-SERB-SRG	Chakraborty,S., Dr. (M) Assistant Professor Indian Institute of Technology (Indore) Khandwa Road, Simrol Indore - 453 552 Madhya Pradesh	31.40	24
3115	Investigation of connections between kinetic & thermodynamic theories of the glass transition through numerical studies of dynamics of model supercooled liquids	DST-SERB-SRG	Chakrabarty,S., Dr. (M) Assistant Professor Acharya Prafull Chandra College New Barrackpore, District North 24 Paganas Kolkata - 700 131 West Bengal	13.72	24
3116	Investigations on quantum matter in frustrated magnets	DST-SERB-SRG	Sanyal,S., Dr. (M) Assistant Professor Indian Institute of Science Education & Research (Tirupati) Karakambadi Road, Rami Reddy Nagar, Mangalam Tirupati - 517 507 Andhra Pradesh	24.49	24
3117	Laser-fog interaction studies for path clearance applications	DST-SERB-SRG	Bhuyan,M.K., Dr. (M) Senior Scientist CSIR-Central Scientific Instruments Organization Sector 30 C Chandigarh - 160 030 Chandigarh	26.16	24
3118	Light-driven micromotors for rapid detection of very low concentration bacteria & microplastic pollutants in water using sers	DST-SERB-SRG	Singh,D.P., Dr. (M) Assistant Professor Indian Institute of Technology (Bhilai) G.E.C. Campus, Sejbahar Bhilai - 492 015 Chhattisgarh	28.61	24
3119	Metamaterial selective surface for energy applications	DST-SERB-SRG	Sasihithlu,K., Prof. (M) Assistant Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	15.74	24
3120	Novel partonic phases in the fractional quantum hall effect	DST-SERB-SRG	Coimbatorebalram,A., Dr. (M) Fellow E Institute of Mathematical Sciences IV Cross Road, Taramani Chennai - 600 113 Tamil Nadu	30.22	24
3121	Observational avenues to search for theories beyond general relativity	DST-SERB-SRG	Chakraborty,S., Dr. (M) Fellow Indian Association for the Cultivation of Science 2a & 2b, Raja S.C. Mullick Road Kolkata - 700 032 West Bengal	15.93	24
3122	Perovskite based flexible thermoelectric power generators for portable power systems	DST-SERB-SRG	Senanayak,S.P., Dr. (M) Scientist National Institute of Science Education & Research Tehsildar Office, Khurda, Pipli Jatni - 752 050 Odisha	30.90	24
3123	Quantum back-action noise suppression through reservoir engineering & hybrid quantum systems	DST-SERB-SRG	Davuluri,S.S., Prof. (M) Assistant Professor Birla Institute of Technology & Science (Pilani ) Shamirpet-Keesara Road, Jawahar Nagar, Shameerpet Hyderabad - 500 078 Telangana	13.34	24
3124	Quantum information processing using defect spins in wide bandgap semiconductors	DST-SERB-SRG	Kamini,R.K., Dr. (M) Assistant Professor Bennett University Plot No. 8-11, Techzone, Street 2 Greater Noida - 201 310 Uttar Pradesh	30.80	24

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Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
3125	Rheological behavior of the concomitant self-assembly of protein/peptides promoted by water soluble inorganic nanomaterials: A fundamental advanced towards the central dogma of parkinson's disease	DST-SERB-SRG	Sankaranarayanan,K., Dr. (F) Assistant Professor Institute of Advanced Study in Science & Technology Paschim Boragaon, Vigyan Path, Garchuk Guwahati - 781 035 Assam	28.10	24
3126	Room temperature electrically controlled single photon emitter	DST-SERB-SRG	Chakraborty,B., Dr. (M) Assistant Professor Grade I Indian Institute of Technology (Jammu) Nagrota Bypass Road Jammu - 181 221 Jammu & Kashmir	31.74	24
3127	Semi-transparent solar cells based on multidimensional peovskite: Approach towards colortunability & ambient stability	DST-SERB-SRG	Guchhait,A., Dr. (M) Assistant Professor Prabhat Kumar College Contai, Purba Midnapore - 721 481 West Bengal	31.17	24
3128	Smart 2d quantum devices from van der waals engineering of layered materials	DST-SERB-SRG	Kochat,V., Dr. (F) Assistant Professor Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	22.11	24
3129	Studies on flexible, quasi-solid-state supercapacitor using catholyte & anolyte redox additive in polymeric electrolytes with large surface area carbon electrodes	DST-SERB-SRG	Singh,M.K., Dr. (M) Assistant Professor Rajkiya Engineering College Atarra - 210 201 Uttar Pradesh	18.32	24
3130	Study of very-high energy gamma rays from galactic sources with grapes-3 observatory	DST-SERB-SRG	Moharana,R., Dr. (F) Assistant Professor Indian Institute of Technology (Jodhpur) NH 65, Surpura Bypass Road, Karwar Jodhpur - 342 030 Rajasthan	26.07	24
3131	The neutrino portal to unraveling fundamental new physics	DST-SERB-SRG	Srivastava,R., Dr. (M) Assistant Professor Indian Institute of Science Education & Research (Bhopal) Indore Bypass Road, Bhauri Bhopal - 462 066 Madhya Pradesh	23.35	24
3132	Through a glass darkly	DST-SERB-SRG	Dey,U.K., Dr. (M) Assistant Professor Indian Institute of Science Education & Research (Berhampur) Government ITI Building, Engineering School Junction Berhampur - 760 010 Odisha	13.79	24
3133	Topological states in the iron-based superconductors	DST-SERB-SRG	Singh,D.K., Dr. (M) Assistant Professor Thapar Institute of Engineering & Technology Adarsh Nagar, Prem Nagar Patiala - 147 004 Punjab	16.42	24
3134	Turbulence & non-equilibrium states in quantum fluids	DST-SERB-SRG	Shukla,V., Dr. (M) Assistant Professor Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	16.17	24
3135	Two-dimensional coherent spectroscopy of colloidal quantum dots	DST-SERB-SRG	Singh,R., Dr. (M) Assistant Professor Indian Institute of Science Education & Research (Bhopal) Indore Bypass Road, Bhauri Bhopal - 462 066 Madhya Pradesh	32.21	24
3136	Unconventional superconductivity & spin liquids in metal-organic frameworks	DST-SERB-SRG	Reja,S., Dr. (M) Assistant Professor Central University of Rajasthan NH 8, Bandar Sindri Ajmer - 305 817 Rajasthan	29.37	24
3137	Ab-initio density functional theory based investigations on some perovskites	DST-WOS-A	Kshirsagar,B.M., Ms. (F) Savitribai Phule Pune University Pune - 411 007 Maharashtra	29.59	36

## BROAD SUBJECT AREA : PHYSICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
3138	Chemical synthesis & fabrication of titania based photoelectrode towards energy harvesting application	DST-WOS-A	Jagtap,C.V., Ms. (F) Savitribai Phule Pune University Pune - 411 007 Maharashtra	26.41	36
3139	Designing metal organic framework/carbon nanofiber freestanding composites with large surface area for sustainable energy storage	DST-WOS-A	Joshi,B.N., Dr. (F) CSIR-National Chemical Laboratory Pune - 411 008 Maharashtra	37.01	36
3140	Developing a new method to understand the dynamics of effective gluons in hadrons of heavy quarks & other prevailing problems	DST-WOS-A	More,J.D., Dr. (F) Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	30.47	36
3141	Development of high efficient cost effective eco-friendly organic thermoelectric generators by using polymer-nanoparticle composites	DST-WOS-A	Maity,S., Ms. (F) Jadavpur University 188, Raja S.C Mullick Road Kolkata - 700 032 West Bengal	19.59	36
3142	Development of highly sensitive tissue equivalent next generation TL/OSL phosphor	DST-WOS-A	Seth,P., Dr. (F) Guru Govind Singh Indraprastha University New Delhi - 110 078 Delhi	33.27	36
3143	Development of metal oxide based green energy source hydroelectric cell	DST-WOS-A	Shah,J., Dr. (F) CSIR-National Physical Laboratory Dr. K. S. Krishnan Road New Delhi - 110 012 Delhi	34.90	36
3144	Development of N doped porous TiO <sub>2</sub> nanofibers & Cu <sub>2</sub> AgInSe <sub>4</sub> , Cu <sub>2</sub> AgInS <sub>4</sub> & Cu <sub>2</sub> AgInSe <sub>4</sub> -xS <sub>x</sub> quantum dots for high efficiency quantum dot sensitized solar cell	DST-WOS-A	Roopakala,K., Ms. (F) Kanchi Mamunivar Centre for Post Graduate Studies Puducherry - 605 008 Puducherry	20.91	36
3145	Fabrication & electrochemical performance of flexible lithium ion rechargeable cell	DST-WOS-A	Majumder,S.B., Dr. (F) Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	31.45	36
3146	Growth & characterizations of metal ion doped vitamin C & amino acid crystals: Promising crystals for optoelectronics applications	DST-WOS-A	Tilak,S., Ms. (F) Siddaganga Institute of Technology Tumkur - 572 103 Karnataka	23.57	36
3147	Heusler alloys: A promising class of materials with multifunctional topological properties & spintronic applications	DST-WOS-A	Sharma,J., Dr. (F) Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	36.08	36
3148	Investigation of strongly interacting matter through effective model	DST-WOS-A	Deb,P., Dr. (F) Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	24.65	36
3149	Laser driven particle acceleration	DST-WOS-A	Singh,M., Dr. (F) Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	30.31	36
3150	Modeling of nanowire-composite networks using percolation theory with its application in transparent electrodes	DST-WOS-A	Bharti,Y., Ms. (F) Guru Govind Singh Indraprastha University Sector-16C, Dwarka New Delhi - 110 078 Delhi	19.22	36
3151	Molecular coherence & atomic polarization effects in bremsstrahlung pradiation processes in low-energy electron scattering with atoms & simple diatomic molecules	DST-WOS-A	Yadav,N., Dr. (F) Banaras Hindu University Varanasi - 221 005 Uttar Pradesh	35.61	36

## BROAD SUBJECT AREA : PHYSICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
3152	Photoelectrode development for photoelectrochemical water splitting using 3D- (Mo,W)S <sub>2</sub> /Graphene Oxide (GO) aerogels	DST-WOS-A	Bangi,U.P.K.H., Dr. (F) Solapur University Punyashlok Ahilyadevi Holkar Solapur - 413 255 Maharashtra	34.25	36
3153	Piezoceramic thick films for high temperature ultrasonic transducers	DST-WOS-A	Sruthi,S., Ms. (F) CSIR-National Aerospace Laboratories Bengaluru - 560 017 Karnataka	22.72	36
3154	Quantitative analysis of patient specific internal dosimeter using molecular imaging tools & software's for radionuclide therapy	DST-WOS-A	Mehrotra,M., Dr. (F) Sanjay Gandhi P.G. Institute of Medical Sciences Lucknow - 226 014 Uttar Pradesh	31.18	36
3155	Rheology & dynamics in cells & colloidal systems investigated through optical technique	DST-WOS-A	Devarakonda,C., Ms. (F) Bangalore University Bengaluru - 560 056 Karnataka	20.34	36
3156	Self-powered breath analyzer cum e-skin for potential health monitoring based on piezoelectric	DST-WOS-A	Bang,A.D., Ms. (F) Centre for Materials for Electronics Technology (C-MET) Pune - 411 008 Maharashtra	28.68	36
3157	Solid-state energy storage devices with chemically tailored metal oxide/carbon nanocomposites	DST-WOS-A	Thombare,S.B., Dr. (F) Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	32.40	36
3158	Spin correlation spectroscopy & its applications in atomic systems	DST-WOS-A	Roy,S., Dr. (F) Raman Research Institute Bengaluru - 560 080 Karnataka	37.53	36
3159	Structural dynamics of light, medium, heavy & super heavy nuclei in ground as well as excited states	DST-WOS-A	Aggarwal,M., Dr. (F) Mumbai University Mumbai - 400 098 Maharashtra	24.35	36
3160	Study of interface magnetic interactions in La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> / A <sub>2</sub> LnRuO <sub>6</sub> hetero structures for spintronics applications	DST-WOS-A	Pandit,R., Dr. (F) I.K. Gujral Punjab Technical University Jalandhar - 144 603 Punjab	34.72	36
3161	Supersymmetric quantum mechanics & Riemann hypothesis	DST-WOS-A	Kalauni,P., Dr. (F) Indian Institute of Space Science & Technology Thiruvananthapuram - 695 547 Kerala	29.65	36
3162	Swift heavy ion induced enhancement of magnetoelectric coupling in rare earth doped multiferroic films	DST-WOS-A	Rahman,J., Ms. (F) Farook College Kozhikode - 673 014 Kerala	20.61	36
3163	Synthesis & characterization of Aquasome nanoparticles incorporated with indigenous Siddha drug & growth factors for bone regeneration applications	DST-WOS-A	Shanthi,P.M.S., Dr. (F) Bharathidasan University Tiruchendur - 620 024 Tamil Nadu	28.82	36
3164	Theoretical & observational aspects of habitable exoplanets studies	DST-WOS-A	Safonova,M., Dr. (F) Indian Institute of Astrophysics Bengaluru - 560 034 Karnataka	24.08	36
3165	Thermoelectric transport in presence of time-dependent perturbations	DST-WOS-A	Chowdhury,D., Dr. (F) Indian Institute of Technology (Roorkee ) Roorkee - 247 667 Uttarakhand	23.78	36
3166	Tuning properties of carbon based nanocomposite for device applications	DST-WOS-A	Vishnoi,R., Dr. (F) Malaviya National Institute of Technology (Jaipur) Jaipur - 302 017 Rajasthan	26.19	36

BROAD SUBJECT AREA : PHYSICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
3167	Automatic detection of solar features such as sunspots, filaments & extraction of their attributes	ISRO-RESPOND	Sudhakar,M.S., Dr. (M) Associate Professor Vellore Institute of Technology University Department of Communication Engineering Vellore - 632 104 Tamil Nadu	24.33	36
3168	AstroSat observation of AGNs: Broad band spectral analysis & variability	ISRO-SSP	Jeena,K., Dr. (M) Assistant Professor Providence Women's College Malaparamba Kozhikode - 673 009 Kerala	19.25	36
3169	Exploring the nature of Lyman continuum emitting sources in the AstroSat - UV Deep Field (AUDF)	ISRO-SSP	Saha,K., Dr. (M) Associate Professor Inter University Centre for Astronomy & Astrophysics Post Bang No. 4, Ganeshkhind Pune - 411 007 Maharashtra	18.43	36
3170	Investigation of energy dependent properties of black hole binaries with AstroSat	ISRO-SSP	Dutta,B.G., Dr. (M) Associate Professor Rishi Bankim Chandra College East Kanthalpara Naihati 24 Parganas - 743 165 West Bengal	19.57	36
3171	Investigation on environment T/Mode dependence of star formation in dwarf galaxies using UVIT data	ISRO-SSP	Rakhi,R., Dr. (F) Assistant Professor N.S.S. College District Pathanamthitta Pandalam - 689 501 Kerala	18.23	36
3172	Probing the effect of strong gravity around the black hole X-ray binaries through AstroSat observations	ISRO-SSP	Das,S., Dr. (M) Associate Professor Indian Institute of Technology (Guwahati) Department of Physics Guwahati - 781 039 Assam	18.08	36
3173	Star formation History of most massive, rotationally supported spiral disks	ISRO-SSP	Pandge,M., Dr. (M) Dayanand Science College Barshi Road, Prakash Nagar Latur - 413 531 Maharashtra	19.57	36
3174	Study of accretion & outflow mechanisms in compact objects in X-ray binaries	ISRO-SSP	Chakraborty,M., Dr. (M) Assistant Professor Indian Institute of Technology (Indore) Khandwa Road, Simrol Indore - 453 552 Madhya Pradesh	18.38	36
3175	Study of X-ray timing properties of neutron star low mass X-ray binaries	ISRO-SSP	Mandal,S., Dr. (F) Assistant Professor Government Girls General Degree College 7, Mayurbhanj Road Kolkata - 700 023 West Bengal	19.93	36
3176	Timing & spectral studies of Type-1 thermonuclear X-ray bursts using AstroSat	ISRO-SSP	Bhalerao,V., Prof. (M) Assistant Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	21.43	36
3177	Unveiling the high energy emission properties of Blazars using AstroSat observations	ISRO-SSP	Iqbal,N., Prof. (M) Kashmir University Department of Physics, Hazratbal Srinagar - 190 006 Jammu & Kashmir	18.38	36
3178	Centre for Excellence in Research & Development of Nanoelectronics Theranostic Devices, IIT, Guwahati	MEITY-R&D	Chattopadhyay,A., Prof. (M) Indian Institute of Technology (Guwahati) Department of Chemistry & Centre for Nanotechnology Guwahati - 781 039 Assam	5105.00	69
3179	Nanoelectronics Network for research & application (Nnetra)	MEITY-R&D	Bhattacharya,E., Dr. (F) Indian Institute of Technology (Madras) Department of Electrical Engineering Chennai - 600 036 Tamil Nadu	9800.33	60

BROAD SUBJECT AREA : PHYSICAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
3180	Three-dimensional nanostructure based miniaturized & flexible rechargeable lithium batteries for flexible electronics	MEITY-R&D	Kale,B.B., Dr. (M) Scientist G Centre for Materials for Electronics Technology (C-MET) Pune - 411 008 Maharashtra	454.10	48
Total Cost of 266 Projects Under: <b>Physical Sciences</b>				25,170.76	

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<b>ADDRESS OF FUNDING AGENCIES</b>
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|---|---|
| <p>1 All India Council for Technical Education (AICTE)<br/>Nelson Mandela Marg,<br/>New Delhi - 110070</p>  | <p>12 Ministry of AYUSH<br/>AYUSH Bhawan, GPO Complex<br/>B-Block, INA<br/>New Delhi – 110023</p>   |
| <p>2 Council of Scientific and Industrial Research (CSIR)<br/>CSIR Complex, Pusa<br/>New Delhi - 110012</p>   | <p>13 Ministry of Electronics &amp; Information Technology (MEITY)<br/>Electronic Niketan, CGO Complex, Lodhi Road<br/>New Delhi – 110003</p>   |
| <p>3 Defence Research &amp; Development Organisation (DRDO)<br/>Dte. of Extramural Research &amp; Intellectual<br/>Property Rights, DRDO Bhawan, Rajaji Marg<br/>New Delhi – 110011</p> | <p>14 Ministry of Earth Sciences (MoES)<br/>Prithvi Bhavan, Opposite India Habitat Centre, Lodhi<br/>Road, New Delhi - 110 003</p>  |
| <p>4 Department of Atomic Energy (DAE)<br/>B.R.N.S. Secretariat,<br/>B.A.R.C.<br/>Mumbai – 400085</p>   | <p>15 Ministry of Environment, Forests &amp; Climate Change<br/>(MOEFCC)<br/>Satellite Division, Prithvi Bhavan, Jorbagh<br/>New Delhi – 110003</p>                                     |
| <p>5 Department of Bio-Technology (DBT)<br/>Ministry of Science and Technology<br/>Block 2, CGO Complex, Lodhi Road<br/>New Delhi – 110003</p>  | <p>16 Ministry of New &amp; Renewable Energy (MNRE),<br/>Block – 14, CGO Complex, Lodhi Road<br/>New Delhi – 110003</p>   |
| <p>6 Department of Coal (DOC)<br/>Central Mine Planning and Design Institute Ltd.<br/>Gondwana Place, Konde Road<br/>Ranchi – 834008</p>  | <p>17 Ministry of Power (MOP)<br/>Central Power Research Institute<br/>Prof. Sir C.V. Raman Road<br/>Sadashivanagar, Sub Post Office, P.B. No 8066<br/>Bangalore – 560080</p>           |
| <p>7 Department of Science and Technology (DST)<br/>Technology Bhawan, New Mehrauli Road<br/>New Delhi – 110 016</p>  | <p>18 Steel Authority of India (SAIL)<br/>R&amp;D Centre for Iron &amp; Steel<br/>Ranchi - 834002</p>   |
| <p>8 Department of Scientific &amp; Industrial Research (DSIR)<br/>Technology Bhawan, New Mehrauli Road<br/>New Delhi – 110016</p>  | <p>19 Ministry of Jal Shakti (MOJS)<br/>River Development &amp; Ganga Rejuvenation<br/>R&amp;D Division, Wing No. 4, 1st Floor, West Block No. 1<br/>R.K. Puram, New Delhi - 110066</p> |
| <p>9 Indian Council of Agricultural Research (ICAR)<br/>Krishi Anusandhan Bhawan-II, Pusa<br/>New Delhi – 110012</p>  | <p>20 University Grants Commission (UGC)<br/>Bahadur Shah Zafar Marg<br/>New Delhi – 110002</p>   |
| <p>10 Indian Council of Medical Research (ICMR)<br/>Ansari Nagar, Post Box 4911<br/>New Delhi – 110029</p>  |   |
| <p>11 Indian Space Research Organisation (ISRO)<br/>Department of Space, ISRO Headquarters<br/>Antariksh Bhawan, New Bel Road<br/>Bangalore – 560094</p>                                |   |



**INSTITUTE-WISE NUMBER OF PROJECTS AND TOTAL APPROVED COST (2020-21)**

S. No.	Institute	Total Number of Projects	Total Approved Cost (Rs. Lakh)	Order*
1	A & U Tibbia Hospital	2	20.40	654
2	A.C.S. College of Engineering	1	21.00	644
3	A.D. Patel Institute of Technology	1	28.87	571
4	A.I.S.S.M.S. College of Engineering	1	13.33	726
5	A.T.M.E. College of Engineering	1	186.87	190
6	A.V.P. Research Foundation	1	9.20	774
7	Aarupadai Veedu Institute of Technology	1	13.23	727
8	Aarupadai Veedu Medical College	1	8.73	780
9	Academy of Maritime Education & Training	2	41.75	482
10	Acharya & B.M. Reddy College of Pharmacy	3	38.50	498
11	Acharya Institute of Technology	1	7.55	788
12	Acharya Narendra Dev College	2	85.51	313
13	Acharya Prafull Chandra College	1	13.72	723
14	Adamas University	3	77.75	331
15	Advanced Centre for Treatment Research & Education in Cancer	2	270.61	144
16	Agartala Government Medical College	4	36.55	516
17	Agharkar Research Institute	6	205.20	171
18	Aghore Kamini Prakash Chandra Mahavidyalaya	1	16.43	704
19	Agricultural College & Research Institute	2	74.75	346
20	Agricultural Sciences University	1	42.00	480
21	Ahmedabad University	3	158.14	217
22	Alagappa University	3	124.42	249
23	Aligarh Muslim University	8	213.21	164
24	All India Institute of Medical Sciences	73	4031.29	8
25	Allahabad University	1	32.74	541
26	Amal Jyothi College of Engineering	1	16.86	701
27	Amity Institute of Biotechnology	2	84.66	316
28	Amity University	17	596.51	57
29	Amrita Institute of Medical Sciences	1	28.50	575
30	Amrita Vishwa Vidyapeetham	5	160.82	215
31	Amrutvahini College of Engineering	1	21.57	632
32	Anand Institute of Higher Technology	1	292.81	134
33	Andhra Pradesh State Council of Science & Technology	1	37.44	506
34	Andhra University	3	73.70	350
35	Andhra University College of Engineering	1	11.05	745
36	Anjuman College of Engineering & Technology	1	10.53	751
37	Anna University	10	360.14	105
38	Annamalai University	1	32.96	540
39	Anurag University	2	51.04	422
40	Apollo Hospitals	1	60.17	379
41	Arjuna Natural Limited	1	329.32	116
42	Arunachal Pradesh State Council for Science & Technology	2	243.76	154
43	Aryabhatta Research Institute of Observational Sciences	1	14.24	720
44	Ashoka University	1	31.54	548
45	Asian Institute of Gastroenterology	1	55.58	395
46	Assam Agricultural University	9	3322.92	12
47	Assam Don Bosco University	2	42.46	474
48	Assam Down Town University	1	174.23	206
49	Assam Engineering College	1	20.39	655
50	Assam Medical College & Hospital	1	50.91	424
51	Assam Science Technology & Environment Council	2	209.31	168
52	Asutosh College	1	17.53	697
53	Atal Bihari Vajpayee-Indian Institute of Information Technology & Management	1	15.20	713
54	Audisankara College of Engineering & Technology	1	74.76	345
55	Ayurved Hospital	1	10.45	753
56	Azim Premji University	1	64.05	368
57	B.M.L. Munjal University	1	3.46	810
58	B.M.S. College of Engineering	1	21.36	635
59	B.S. Abdur Rahman Crecent Institute of Science & Technology	1	2.00	812
60	Baba Ghulam Shah Badshah Univrsity	1	54.15	408
61	Babasaheb Bhimrao Ambedkar University	3	235.82	157
62	Bai Jerbai Wadia Hospital for Children	1	12.23	737
63	Banaras Hindu University	25	987.51	28
64	Banasthali Vidyapeeth	3	87.31	309
65	Bangalore University	2	58.18	387
66	Bankura University	1	27.39	586
67	Believers Church Medical College Hospital	2	10.81	747
68	Bennett University	3	76.40	337
69	Bhabha Atomic Research Centre	1	31.97	545
70	Bharathiar University	9	275.32	140
71	Bharathidasan University	8	396.18	97
72	Bharati Vidyapeeth University	1	495.69	72
73	Bhavan's Shri I.L. Pandya Arts, Science & Jashodaben Shah Commerce Colle	1	48.45	437
74	Bhilai Institute of Technology	1	23.14	618

### INSTITUTE-WISE NUMBER OF PROJECTS AND TOTAL APPROVED COST (2020-21)

S. No.	Institute	Total Number of Projects	Total Approved Cost (Rs. Lakh)	Order*
75	Bihar Agricultural University	2	76.53	336
76	Birla Institute of Scientific Research	1	26.95	587
77	Birla Institute of Technology & Science (Pilani)	59	1862.18	17
78	Birla Institute of Technology (Mesra)	5	138.56	229
79	Birla Vishvakarma Mahavidyalaya	2	27.92	579
80	Bishop Moore College	1	49.90	427
81	Bombay College of Pharmacy	1	23.73	612
82	Bose Institute	4	4305.22	7
83	Botanical Survey of India	1	39.99	488
84	Bundelkhand University	1	21.91	628
85	Burdwan University	1	26.59	588
86	C. Abdul Hakeem College	1	166.04	212
87	C.M.R. Institute of Technology	1	46.04	452
88	C.M.R. Technical Campus	1	66.91	357
89	Calcutta University	9	288.57	135
90	Cancer Institute (WIA)	2	133.91	238
91	Central Agricultural University	3	194.17	180
92	Central Institute of Plastics Engineering & Technology	6	359.57	106
93	Central Institute of Technology	1	293.28	133
94	Central Power Research Institute	1	99.27	288
95	Central Silk Board	1	89.99	305
96	Central Tasar Research & Training Institute	1	40.51	486
97	Central University of Haryana	3	98.52	290
98	Central University of Himachal Pradesh	1	21.16	641
99	Central University of Kerala	4	186.70	191
100	Central University of Punjab	5	205.17	172
101	Central University of Rajasthan	9	308.17	122
102	Central University of South Bihar	2	91.14	302
103	Central University of Tamil Nadu	8	345.13	111
104	Centre for Action Research & Documentation	1	54.38	407
105	Centre for Biomedical Research	2	117.29	260
106	Centre for Cellular & Molecular Platforms	1	48.32	438
107	Centre for Development of Advanced Computing (C-DAC)	8	4018.01	9
108	Centre for DNA Fingerprinting & Diagnostics (CDFD)	4	157.50	218
109	Centre for Environment Protection (CEP)	1	54.83	401
110	Centre for Human Genetics	1	29.93	567
111	Centre for Innovation & Applied Bioprocessing	1	116.50	262
112	Centre for Materials for Electronics Technology (C-MET)	5	3120.90	14
113	Centre for Nano & Soft Matter Sciences	2	37.29	507
114	Centre for Sponsored Research & Consultancy	1	212.51	165
115	Centre for Water Resources Development & Management	2	25.98	593
116	Centre of Biomedical Research	3	121.43	254
117	Centre of Innovative Applied Bio Processing	1	55.03	399
118	Ch. Charan Singh Haryana Agricultural University	1	44.83	460
119	Chaitanya Bharathi Institute of Technology	1	4.40	807
120	Chandigarh University	3	101.07	287
121	Chandrapur College	1	20.18	658
122	Chatterjee International Center	1	20.03	659
123	Chaudhary Charan Singh University	1	27.54	584
124	Chennai Mathematical Institute	1	41.63	483
125	Chettinad Hospital & Research Institute	1	30.24	564
126	Chhattisgarh Action & Research Team (CART)	1	47.41	443
127	Chhattisgarh Council of Science & Technology	1	121.12	255
128	Chitkara University	3	146.82	222
129	Chittaranjan National Cancer Institute	4	77.11	333
130	Christ the King Engineering College	1	82.33	322
131	Christ University	1	20.59	651
132	Christian Medical College	4	148.74	220
133	Christian Medical College & Hospital	1	39.56	491
134	Cochin University of Science & Technology	5	196.09	177
135	Coimbatore Institute of Engineering & Technology	1	18.63	678
136	College of Agriculture	1	13.69	724
137	College of Ayurveda & Research Centre	1	9.02	776
138	College of Engineering	2	17.98	690
139	College of Engineering & Technology	2	58.69	386
140	College of Fisheries	2	75.38	341
141	College of Medicine & Sagore Dutta Hospital	1	49.04	430
142	College of Post Graduate Studies	3	389.30	100
143	College of Technology	1	18.97	675
144	College of Technology & Engineering	1	10.98	746
145	College of Veterinary Science	2	303.37	128
146	Confederation of Indian Industry	1	24.64	603
147	Cotton University	1	23.87	611
148	Council of Science & Technology, Uttar Pradesh	1	44.28	462

### INSTITUTE-WISE NUMBER OF PROJECTS AND TOTAL APPROVED COST (2020-21)

S. No.	Institute	Total Number of Projects	Total Approved Cost (Rs. Lakh)	Order*
149	CSIR-Advanced Materials & Processes Research Institute	4	189.75	185
150	CSIR-Central Building Research Institute	3	602.46	55
151	CSIR-Central Drug Research Institute	6	229.30	159
152	CSIR-Central Electrochemical Research Institute	3	110.40	272
153	CSIR-Central Electronics Engineering Research Institute	6	254.30	150
154	CSIR-Central Food Technological Research Institute	5	271.53	142
155	CSIR-Central Glass & Ceramic Research Institute	6	629.74	52
156	CSIR-Central Institute of Medicinal & Aromatic Plants	4	121.90	253
157	CSIR-Central Institute of Mining & Fuel Research	1	103.59	283
158	CSIR-Central Leather Research Institute	6	117.63	258
159	CSIR-Central Mechanical Engineering Research Institute	6	136.56	233
160	CSIR-Central Salt & Marine Chemicals Research Institute	7	461.06	80
161	CSIR-Central Scientific Instruments Organization	3	126.81	246
162	CSIR-Centre for Cellular & Molecular Biology	3	119.82	256
163	CSIR-Fourth Paradigm Institute	1	27.49	585
164	CSIR-Indian Institute of Chemical Biology	6	131.97	239
165	CSIR-Indian Institute of Chemical Technology	22	1204.89	23
166	CSIR-Indian Institute of Integrative Medicine	5	601.91	56
167	CSIR-Indian Institute of Petroleum	2	46.62	450
168	CSIR-Indian Institute of Toxicology Research	6	173.24	207
169	CSIR-Institute of Genomics & Integrative Biology	4	217.95	160
170	CSIR-Institute of Himalayan Bioresource Technology	7	752.81	44
171	CSIR-Institute of Microbial Technology	4	363.10	103
172	CSIR-Institute of Minerals & Materials Technology	4	187.53	188
173	CSIR-National Aerospace Laboratories	3	262.97	147
174	CSIR-National Botanical Research Institute	4	471.00	78
175	CSIR-National Chemical Laboratory	14	456.40	81
176	CSIR-National Environmental Engineering Research Institute	5	184.05	195
177	CSIR-National Geophysical Research Institute	4	57.81	389
178	CSIR-National Institute for Interdisciplinary Science & Technology	13	561.35	62
179	CSIR-National Institute of Oceanography	1	10.20	757
180	CSIR-National Metallurgical Laboratory	2	114.03	266
181	CSIR-National Physical Laboratory	3	103.34	284
182	CSIR-North East Institute of Science & Technology	6	321.61	120
183	CSIR-Structural Engineering Research Centre	1	10.20	759
184	D.A.V. University	1	9.77	768
185	D.N.De Homoeopathic Medical College & Hospital	1	8.35	784
186	Dadasaheb Balpande College of Pharmacy	1	19.21	671
187	Darjeeling Ladenla Road Prerna	1	49.47	429
188	Datta Meghe Institute of Engineering Technology & Research	1	19.01	673
189	Datta Meghe Institute of Medical Sciences	2	25.58	598
190	Dayalbagh Educational Institute	2	237.23	156
191	Dayanand Science College	1	19.57	665
192	Dayananda Sagar College of Engineering	1	15.22	712
193	Dayananda Sagar University	1	20.46	653
194	DBT-IOC Centre for Advanced Bio-Energy Research	1	83.71	317
195	Deccan College of Medical Sciences	1	13.00	730
196	Deccan College of Post-Graduate & Research Institute	1	35.21	526
197	Deenbandhu Chhotu Ram University of Science & Technology	1	18.67	677
198	Defence Institute of Advanced Technology	3	92.66	300
199	Delhi Institute of Pharmaceutical Sciences & Research	1	17.40	698
200	Delhi Institute of Tool Engineering	1	34.40	530
201	Delhi Technological University	5	137.43	230
202	Delhi University	13	629.70	53
203	Department of Ecology, Environment & Remote Sensing	1	31.27	551
204	Department of Science & Technology	1	272.31	141
205	Department of Science, Technology & Environment	2	173.16	208
206	Development Alternatives	1	45.56	455
207	Dhirubhai Ambani Institute of Information Communication Technology	2	43.57	467
208	Dibrugarh University	8	187.05	189
209	Directorate of Environment & Climate Change	1	214.46	163
210	Directorate on Onion & Garlic Research	1	24.98	601
211	District Community Development Programme	1	47.57	442
212	Don Bosco College of Engineering & Technology	5	29.05	569
213	Dr. Ambedkar Institute of Technology	1	9.41	772
214	Dr. B.R. Ambedkar Centre for Biomedical Research	1	189.36	186
215	Dr. B.R. Ambedkar National Institute of Technology (Jalandhar)	1	18.98	674
216	Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth	1	178.91	200
217	Dr. D.Y. Patil Biotechnology & Bioinformatics Institute	2	53.17	412
218	Dr. D.Y. Patil Institute of Pharmaceutical Sciences & Research	1	24.41	605
219	Dr. M.C. Saxena College of Engineering & Technology	1	169.46	210
220	Dr. M.G.R. Medical University	1	8.86	778
221	Dr. Mahalingam College of Engineering & Technology	1	14.37	717
222	Dr. N.G.P. Institute of Technology	1	16.82	702

**INSTITUTE-WISE NUMBER OF PROJECTS AND TOTAL APPROVED COST (2020-21)**

S. No.	Institute	Total Number of Projects	Total Approved Cost (Rs. Lakh)	Order*
223	Dr. Rajendra Prasad Central Agricultural University	2	66.89	358
224	Dr. Rajendra Prasad Government Medical College & Hospital	1	3.51	809
225	Dr. Ram Manohar Lohia Institute of Medical Sciences	1	36.69	514
226	Dr. Reddy Institute of Life Sciences	1	25.74	597
227	Dr. S.S. Bhatnagar University Institute of Chemical Engineering & Technology	1	7.01	792
228	Dr. Vishwanath Karad MIT World Peace University	1	11.33	744
229	Dream Bahuuddeshiya Sanstha	1	52.32	417
230	Dronacharya College of Engineering	1	43.75	465
231	East West Institute of Technology	1	35.58	522
232	Easwari Engineering College	1	113.63	267
233	Eternal University	1	31.30	550
234	Farook College	1	20.61	650
235	Federation of Indian Chambers of Commerce & Industry	1	2.60	811
236	Flame University	1	30.31	562
237	Fragrance & Flavour Development Centre	1	87.94	307
238	G.B. Pant University of Agriculture & Technology	1	44.04	463
239	G.D. Goenka University	1	41.00	485
240	G.H. Raisoni College of Engineering	1	18.07	689
241	G.P. Women's College	1	30.41	561
242	Ganga Orthopaedic Research & Education Foundation	1	1110.58	25
243	Gauhati Medical College & Hospital	1	183.87	196
244	Gauhati University	2	95.86	293
245	Gautam Buddha University	2	90.87	304
246	Gayatri Vidya Parishad College of Engineering	1	14.31	719
247	George Institute for Global Health	2	587.00	58
248	Girijananda Chowdhury Institute of Management & Technology	2	21.70	629
249	Girijananda Chowdhury Institute of Pharmaceutical Science	4	80.97	327
250	Goa State Council of Science & Technology	1	82.65	321
251	Gokaraju Rangaraju Institute of Engineering & Technology	2	53.17	411
252	Government Ayurvedic College	1	9.65	769
253	Government Ayurvedic Medical College	1	10.00	764
254	Government College of Engineering	4	62.63	370
255	Government College of Engineering & Ceramic Technology	1	23.25	617
256	Government College of Pharmacy	2	47.01	447
257	Government College of Technology	2	21.31	636
258	Government Degree College for Women	1	33.27	538
259	Government Girls General Degree College	1	19.93	661
260	Govind Ballabh Pant Hospital	2	35.22	525
261	Green Chemistry Network Centre	1	61.55	373
262	Gujarat Biotechnology University	1	43.07	469
263	Gujarat Council on Science & Technology	1	81.52	325
264	Gujarat Institute of Desert Ecology	1	54.74	405
265	Gujarat University	1	54.76	403
266	Guru Angad Dev Veterinary & Animal Science University	1	35.91	519
267	Guru Ghasidas University	1	42.06	479
268	Guru Govind Singh Indraprastha University	3	101.48	286
269	Guru Jambheshwar University of Science & Technology	1	59.43	382
270	Guru Nanak Dev Engineering College	1	17.90	692
271	Guru Nanak Dev University	5	134.58	237
272	Gurukula Kangri University	1	39.24	493
273	H.R. Patel Institute of Pharmaceutical Education & Research	1	21.67	630
274	Haryana State Council for Science & Technology	1	23.49	616
275	Healthy Aging India ( HAI)	1	68.62	355
276	Hemwati Nandan Bahuguna Garhwal University	1	206.34	169
277	Himachal Pradesh Council for Science, Technology & Environment	2	127.24	245
278	Himalayan Environmental Studies & Conservation Organisation	1	94.52	297
279	Himalayan Pharmacy Institute	1	33.43	537
280	Hindustan Latex Limited	1	29.26	568
281	Hyderabad University	19	830.61	36
282	I.K. Gujral Punjab Technical University	1	34.72	528
283	I.S.F. College of Pharmacy	2	44.85	459
284	ICAR-Central Arid Zone Research Institute	2	181.95	197
285	ICAR-Central Institute for Cotton Research	1	26.14	589
286	ICAR-Central Institute for Fisheries Education	1	64.23	367
287	ICAR-Central Institute for Research on Buffaloes	1	193.39	182
288	ICAR-Central Institute for Research on Cattle	1	17.30	699
289	ICAR-Central Institute for Research on Cotton Technology	1	55.03	398
290	ICAR-Central Institute for Research on Goats	2	189.15	187
291	ICAR-Central Institute of Agricultural Engineering	2	97.99	291
292	ICAR-Central Institute of Brackishwater Aquaculture	1	61.79	372
293	ICAR-Central Institute of Fisheries Education	1	27.79	580
294	ICAR-Central Institute of Fisheries Technology	1	48.78	434
295	ICAR-Central Institute of Freshwater Aquaculture	1	91.16	301
296	ICAR-Central Institute of Post Harvest Engineering & Technology	1	48.58	435

### INSTITUTE-WISE NUMBER OF PROJECTS AND TOTAL APPROVED COST (2020-21)

S. No.	Institute	Total Number of Projects	Total Approved Cost (Rs. Lakh)	Order*
297	ICAR-Central Inland Agricultural Research Institute	1	38.95	497
298	ICAR-Central Marine Fisheries Research Institute	1	85.24	314
299	ICAR-Central Plantation Crops Research Institute	1	33.66	536
300	ICAR-Central Research Institute for Jute & Allied Fibres	1	54.93	400
301	ICAR-Central Soil Salinity Research Institute	3	165.48	213
302	ICAR-Central Tuber Crops Research Institute	1	35.43	524
303	ICAR-Indian Agricultural Research Institute	8	315.76	121
304	ICAR-Indian Grassland & Fodder Research Institute	2	79.37	330
305	ICAR-Indian Institute of Maize Research	1	42.85	471
306	ICAR-Indian Institute of Millets Research	2	86.88	310
307	ICAR-Indian Institute of Rice Research	2	76.09	338
308	ICAR-Indian Institute of Soybean Research	1	27.55	583
309	ICAR-Indian Institute of Spices Research	1	52.52	414
310	ICAR-Indian Institute of Water Management	1	49.03	431
311	ICAR-Indian Veterinary Research Institute	2	74.35	349
312	ICAR-National Bureau of Animal Genetic Resources	1	349.43	110
313	ICAR-National Dairy Research Institute	5	341.49	112
314	ICAR-National Institute for Plant Biotechnology	3	109.83	274
315	ICAR-National Institute of Biotic Stress Management	1	41.12	484
316	ICAR-National Institute of High Security Animal Diseases	1	49.51	428
317	ICAR-National Research Centre on Equines	1	24.04	608
318	ICAR-National Research Centre on Pig	1	77.38	332
319	ICAR-Research Complex for Eastern Region	1	43.63	466
320	ICAR-Research Complex for NEH Region	3	264.74	146
321	ICAR-Sugarcane Breeding Institute	1	34.67	529
322	ICMR-National Aids Research Institute	3	481.55	75
323	ICMR-National Institute for Research in Reproductive Health	7	404.67	93
324	ICMR-National Institute for Research in Tuberculosis	6	324.94	118
325	ICMR-National Institute of Cancer Prevention & Research	1	20.49	652
326	ICMR-National Institute of Cholera & Enteric Diseases	5	108.39	277
327	ICMR-National Institute of Epidemiology	2	31.41	549
328	ICMR-National Institute of Immunohaematology	3	174.86	205
329	ICMR-National Institute of Malaria Research	5	240.28	155
330	ICMR-National Institute of Medical Statistics	1	1.64	814
331	ICMR-National Institute of Nutrition	3	106.01	280
332	ICMR-National Institute of Occupational Health	1	56.10	394
333	ICMR-National Institute of Pathology	1	6.45	800
334	ICMR-National Institute of Research In Tribal Health	4	1708.30	18
335	ICMR-National Institute of Virology	7	305.98	125
336	ICMR-National Jalma Institute for Leprosy & other Mycobacterial Diseases	5	94.54	296
337	ICMR-Regional Medical Research Centre	6	195.36	178
338	ICMR-Regional Occupational Health Centre	1	6.50	799
339	ICMR-Vector Control Research Centre	3	130.34	242
340	Indian Association for the Cultivation of Science	15	653.42	50
341	Indian Centre for Space Physics	1	9.60	770
342	Indian Council of Medical Research	1	10.74	748
343	Indian Institute of Astrophysics	4	89.07	306
344	Indian Institute of Engineering Science & Technology	2	54.55	406
345	Indian Institute of Food Processing Technology	1	30.99	554
346	Indian Institute of Forest Management	1	30.76	560
347	Indian Institute of Information Technology	13	279.87	138
348	Indian Institute of Information Technology, Design & Manufacturing	6	83.63	318
349	Indian Institute of Plantation Management	1	142.80	226
350	Indian Institute of Public Health	2	115.26	265
351	Indian Institute of Science	78	6012.73	5
352	Indian Institute of Science Education & Research (Berhampur)	5	110.88	271
353	Indian Institute of Science Education & Research (Bhopal)	17	660.48	49
354	Indian Institute of Science Education & Research (Kolkata)	10	441.71	83
355	Indian Institute of Science Education & Research (Mohali)	15	754.47	43
356	Indian Institute of Science Education & Research (Pune)	17	901.20	31
357	Indian Institute of Science Education & Research (Tirupati)	11	399.81	94
358	Indian Institute of Science Education & Research (Trivandrum)	7	359.31	107
359	Indian Institute of Space Science & Technology	4	205.73	170
360	Indian Institute of Technology (Allahabad)	1	18.45	683
361	Indian Institute of Technology (Bhilai)	8	215.36	162
362	Indian Institute of Technology (BHU)	22	722.04	46
363	Indian Institute of Technology (Bhubaneswar)	23	870.91	34
364	Indian Institute of Technology (Bombay)	76	6082.98	4
365	Indian Institute of Technology (Chittoor)	1	39.08	495
366	Indian Institute of Technology (Delhi)	72	3182.44	13
367	Indian Institute of Technology (Dhanbad)	18	822.53	37
368	Indian Institute of Technology (Dharwad)	11	308.04	123
369	Indian Institute of Technology (Gandhinagar)	25	817.58	39
370	Indian Institute of Technology (Goa)	5	322.50	119

### INSTITUTE-WISE NUMBER OF PROJECTS AND TOTAL APPROVED COST (2020-21)

S. No.	Institute	Total Number of Projects	Total Approved Cost (Rs. Lakh)	Order*
371	Indian Institute of Technology (Guwahati)	42	8677.81	2
372	Indian Institute of Technology (Hyderabad)	37	1648.55	19
373	Indian Institute of Technology (Indore)	32	1094.59	26
374	Indian Institute of Technology (Jammu)	13	422.66	89
375	Indian Institute of Technology (Jodhpur)	27	1336.15	22
376	Indian Institute of Technology (Kanpur)	92	6954.66	3
377	Indian Institute of Technology (Kharagpur)	86	4456.92	6
378	Indian Institute of Technology (Madras)	61	19342.13	1
379	Indian Institute of Technology (Mandi)	17	661.91	48
380	Indian Institute of Technology (Palakkad)	16	498.59	71
381	Indian Institute of Technology (Patna)	15	487.61	73
382	Indian Institute of Technology (Roorkee )	79	3329.48	11
383	Indian Institute of Technology (Ropar)	24	840.05	35
384	Indian Institute of Technology (Tirupati)	15	430.80	86
385	Indian National Center for Ocean Information Services	1	18.61	679
386	Indian Space Research Organization	1	23.68	613
387	Indian Statistical Institute	8	217.09	161
388	Indira Gandhi Centre for Atomic Research	1	13.75	722
389	Indira Gandhi National Tribal University	4	164.36	214
390	Indo-US Science & Technology Forum	1	260.00	148
391	Indraprastha Institute of Information Technology	2	61.34	375
392	Institute for Climate Change Study	1	53.36	410
393	Institute for Development & Research in Banking Technology	1	14.61	715
394	Institute for Environmental & Social Affairs	1	81.69	324
395	Institute for Stem Cell Biology & Regenerative Medicine	4	518.84	66
396	Institute of Advanced Research	1	38.42	499
397	Institute of Advanced Study in Science & Technology	6	176.78	204
398	Institute of Bioinformatics & Applied Biotechnology	1	46.78	448
399	Institute of Bioresources & Sustainable Development	1	57.03	390
400	Institute of Chemical Technology	5	555.27	63
401	Institute of Chemical Technology - Indian Oil	1	15.73	707
402	Institute of Infrastructure Technology Research & Management	1	20.70	647
403	Institute of Life Sciences	10	874.25	33
404	Institute of Liver & Biliary Sciences	6	396.60	96
405	Institute of Mathematical Sciences	2	40.26	487
406	Institute of Nano Science & Technology	5	169.82	209
407	Institute of Physics	2	56.83	391
408	Institute of Post Graduate Medical Education & Research & S.S.K.M. Hospital	2	112.34	268
409	Institute of Stem Cell Biology & Regenerative Medicine	1	59.61	381
410	Institute of Trans-Disciplinary Health Sciences & Technology	1	31.77	547
411	Inter University Centre for Astronomy & Astrophysics	1	18.43	685
412	Inter University Centre for Biomedical Research & Super Speciality Hospital	1	58.71	385
413	International Advanced Research Centre for Powder Metallurgy & New Material	2	36.11	518
414	International Centre for Clean Water	1	42.73	472
415	International Centre for Genetic Engineering & Biotechnology	4	795.95	40
416	International Institute of Information Technology	7	281.12	137
417	Islamic University of Science & Technology	2	55.06	397
418	J.C. Bose University of Science & Technology	1	6.56	798
419	J.I.S. College of Engineering	1	12.84	732
420	J.I.S. Institute of Advanced Studies & Research [JISIASR]	1	20.62	649
421	J.S.M.'s Rajarshi Shahu College of Engineering	1	10.00	765
422	J.S.S. Academy of Higher Education & Research	1	30.28	563
423	J.S.S. College of Pharmacy	3	124.80	248
424	J.S.S. College of Pharmacy (Ooty)	1	9.26	773
425	J.S.S. Medical College	1	9.88	766
426	Jadavpur University	12	391.78	98
427	Jai Prakash University	1	8.36	782
428	Jain University	5	276.73	139
429	Jamia Hamdard	11	413.25	92
430	Jamia Millia Islamia	7	194.64	179
431	Jammu University	2	37.08	510
432	Jan Sewa Ashram	1	65.38	362
433	Jawaharlal Institute of P.G. Medical Education & Research	6	117.59	259
434	Jawaharlal Nehru Aluminium Research Development & Design Centre	2	122.34	252
435	Jawaharlal Nehru Centre for Advanced Scientific Research	6	287.74	136
436	Jawaharlal Nehru Medical College	1	10.14	761
437	Jawaharlal Nehru Technological University	4	209.53	167
438	Jawaharlal Nehru Tropical Botanic Garden & Research Institute	3	232.00	158
439	Jawaharlal Nehru University	19	1093.73	27
440	Jaypee Institute of Information Technology	3	60.33	376
441	JNTUA College of Engineering	2	19.97	660
442	JNTUH College of Engineering	1	12.54	736
443	JNTUH Institute of Science & Technology	2	37.04	511
444	Joy of Learning Foundation	1	21.49	634

**INSTITUTE-WISE NUMBER OF PROJECTS AND TOTAL APPROVED COST (2020-21)**

S. No.	Institute	Total Number of Projects	Total Approved Cost (Rs. Lakh)	Order*
445	Jyothy Institute of Technology	2	25.83	596
446	K.C.G. College of Technology	2	23.57	614
447	K.D.K. College of Engineering	1	6.67	796
448	K.L. University	4	176.83	203
449	K.L.E. Technological University	1	7.80	786
450	K.S. Hegde Medical Academy	2	47.86	441
451	Kalasalingam Academy of Research & Education	3	67.75	356
452	Kalasalingam University	1	24.32	606
453	Kalinga Institute of Industrial Technology University	5	712.77	47
454	Kalyani University	2	61.40	374
455	Kanchi Mamunivar Centre for Post Graduate Studies	1	20.91	645
456	Karnatak University	1	28.48	576
457	Karnataka State Council for Science & Technology	3	788.90	41
458	Karpagam University	1	46.48	451
459	Karunya Institute of Technology & Sciences	6	820.37	38
460	Kashmir University	10	389.30	99
461	Kasturba Medical College	7	147.64	221
462	Kazi Nazrul University	1	4.91	806
463	KBC-North Maharashtra University	1	76.75	334
464	Kerala Forest Research Institute	2	62.08	371
465	Kerala State Council for Science, Technology & Environment	3	516.73	67
466	Kerala University of Fisheries & Ocean Studies	1	32.60	543
467	KIET Group of Institutions	1	22.18	623
468	King George's Medical University	4	57.94	388
469	KLES College of Pharmacy	1	12.84	733
470	Kmch Research Foundation	1	21.29	638
471	Koneru Lakshmaiah Education Foundation	1	22.62	620
472	Kongu Engineering College	3	35.57	523
473	KSCSTE-Malabar Botanical Garden & Institute for Plant Sciences	1	10.20	756
474	Kumaraguru College of Technology	4	74.44	348
475	Kumaun University	2	76.70	335
476	Kwaklei & Khonggunmelei Orchids Pvt. Ltd	1	31.13	553
477	L.V. Prasad Eye Institute	3	106.68	279
478	Lakireddy Bali Reddy College of Engineering	1	17.67	695
479	Lala Lajpat Rai University of Veterinary & Animal Sciences	1	31.94	546
480	Laxminarayana Institute of Technology	1	17.65	696
481	Lovely Professional University	3	108.15	278
482	Loyola College	1	65.90	360
483	Lucknow University	3	117.17	261
484	M.G.R. College	1	15.49	709
485	M.J.P. Rohilkhand University	1	28.33	578
486	M.L.R. Institute of Technology & Management	1	50.42	425
487	M.P. Council of Science & Technology	1	30.87	558
488	M.S. Ramaiah Institute of Technology	1	21.65	631
489	M.S. Ramaiah University of Applied Sciences	3	118.34	257
490	M.S. Swaminathan Research Foundation	1	361.30	104
491	Madan Mohan Malaviya University of Technology	2	52.08	418
492	Madanapalle Institute of Technology & Science	1	18.94	676
493	Madhav Institute of Technology & Science	3	25.00	600
494	Madhya Pradesh Council of Science & Technology	1	180.54	198
495	Madhya Pradesh Vigyan Sabha	1	123.31	251
496	Madras Christian College	2	65.29	363
497	Madras Diabetes Research Foundation	2	473.34	77
498	Madras University	6	184.63	194
499	Madurai Kamaraj University	6	167.51	211
500	Maharaja Ganga Singh University	1	21.51	633
501	Maharaja Ranjit Singh Punjab Technical University	1	50.03	426
502	Maharaja Sayajirao University of Baroda	3	81.06	326
503	Maharshi Dayanand University	2	60.33	377
504	Mahatma Gandhi Central University	1	39.59	490
505	Mahatma Gandhi Institute of Technology	1	38.31	500
506	Mahendra Engineering College	2	23.52	615
507	Mahesh Bhattacharyya Homoeopathic Medical College & Hospital	1	5.41	804
508	Mahindra Ecole Centrale	2	39.47	492
509	Maker Village	1	500.00	70
510	Malankara Catholic College	1	32.72	542
511	Malaviya National Institute of Technology (Jaipur)	13	428.26	88
512	Malla Reddy Engineering College	2	21.01	642
513	Manav Vikas Sansthan	1	86.72	311
514	Mangalore University	2	64.03	369
515	Manipal Academy of Higher Education	1	60.13	380
516	Manipal College of Pharmaceutical Sciences	5	55.16	396
517	Manipal Institute of Technology	2	42.36	476
518	Manipal School of Information Sciences	1	11.90	740

### INSTITUTE-WISE NUMBER OF PROJECTS AND TOTAL APPROVED COST (2020-21)

S. No.	Institute	Total Number of Projects	Total Approved Cost (Rs. Lakh)	Order*
519	Manipal University	15	540.36	65
520	Manipur Science & Technology Council	1	135.52	235
521	Manipur University	1	28.86	572
522	Manonmaniam Sundaranar University	1	10.20	760
523	Mar Ephraem College of Engineering & Technology	2	193.46	181
524	Martin Luther Christian University	1	355.85	108
525	Marwadi Education Foundation	1	22.01	625
526	Maturi Venkata Subba Rao Engineering College	1	17.27	700
527	Maulana Azad Medical College	1	15.40	710
528	Maulana Azad National Institute of Technology	4	103.85	282
529	Medical Health & Research Trust	2	123.65	250
530	Meerut Institute of Engineering & Technology	1	36.96	512
531	Mepco Schlenk Engineering College	3	79.63	329
532	Midnapore College	1	47.90	440
533	Ministry of Electronics & Information Technology	1	10.20	754
534	Mit - World Peace University	1	24.62	604
535	Mizoram Council of Science, Technology & Environment	1	25.50	599
536	Mizoram Science, Technology & Innovation Council	2	248.75	152
537	Mizoram University	4	383.35	101
538	MKSSS's Cummins College of Engineering for Women	1	30.24	565
539	Mohanlal Sukhadia University	4	146.73	223
540	Mother Teresa P.G. & Research Institute of Health Sciences	1	15.16	714
541	Motilal Nehru National Institute of Technology	5	177.82	202
542	Ms. Ramaiah College of Arts, Science & Commerce	1	41.84	481
543	Mukesh Patel School of Technology Management & Engineering	1	20.35	656
544	Mumbai University	2	64.61	366
545	Muthoot Institute of Technology & Science	1	12.58	735
546	Mysore University	1	10.20	758
547	N.B.K.R. Institute of Science & Technology	1	8.88	777
548	N.S.S. College	1	18.23	687
549	Nagaland Science & Technology Council	1	94.58	295
550	Nagaland University	1	46.75	449
551	Narayana Medical College	1	9.52	771
552	Narsee Monjee Institute of Management Studies	3	82.94	320
553	National Agri-Food Biotechnology Institute	2	66.24	359
554	National Atlas & Thematic Mapping Organisation	1	19.72	663
555	National Brain Research Centre	2	109.01	276
556	National Centre for Biological Sciences	6	506.42	68
557	National Centre for Cell Sciences	6	338.96	113
558	National Institute of Advanced Studies	2	244.80	153
559	National Institute of Animal Biotechnology	6	353.07	109
560	National Institute of Biomedical Genomics	1	396.76	95
561	National Institute of Food Technology Entrepreneurship & Management	1	42.22	477
562	National Institute of Foundry & Forge Technology	1	28.64	574
563	National Institute of Homoeopathy	1	8.05	785
564	National Institute of Immunology	5	572.99	60
565	National Institute of Industrial Engineering (NITIE)	1	137.08	231
566	National Institute of Mental Health & Neuro Sciences	10	463.97	79
567	National Institute of Pharmaceutical Education & Research	22	1363.59	20
568	National Institute of Plant Genome Research	4	379.96	102
569	National Institute of Science & Technology	3	68.86	354
570	National Institute of Science Education & Research	5	198.66	176
571	National Institute of Solar Energy	1	304.92	127
572	National Institute of Technical Teachers' Training & Research	1	8.36	783
573	National Institute of Technology (Andhra Pradesh)	4	74.46	347
574	National Institute of Technology (Arunachal Pradesh)	3	98.53	289
575	National Institute of Technology (Calicut)	10	293.37	132
576	National Institute of Technology (Durgapur)	3	42.54	473
577	National Institute of Technology (Hamirpur)	4	116.34	263
578	National Institute of Technology (Jamshedpur)	7	178.82	201
579	National Institute of Technology (Karnataka)	14	416.19	91
580	National Institute of Technology (Manipur)	2	65.25	364
581	National Institute of Technology (Meghalaya)	2	60.19	378
582	National Institute of Technology (Mizoram)	1	18.54	681
583	National Institute of Technology (Patna)	4	95.19	294
584	National Institute of Technology (Rourkela)	21	737.00	45
585	National Institute of Technology (Silchar)	6	139.53	228
586	National Institute of Technology (Srinagar)	2	51.03	423
587	National Institute of Technology (Tiruchirapalli)	2	45.55	456
588	National Institute of Technology (Warangal)	17	505.19	69
589	National Institute of Unani Medicine	1	6.63	797
590	National Pulse Research Centre	1	37.19	509
591	National Rail & Transportation Institute	1	2618.86	15
592	Navsari Agricultural University	1	25.89	595



**INSTITUTE-WISE NUMBER OF PROJECTS AND TOTAL APPROVED COST (2020-21)**

S. No.	Institute	Total Number of Projects	Total Approved Cost (Rs. Lakh)	Order*
593	Nimbkar Agricultural Research Institute	1	20.67	648
594	Nirma University	2	109.38	275
595	Nitte Meenakshi Institute of Technology	1	21.20	639
596	Nitte University	2	24.22	607
597	Nitte University Centre for Science Education & Research	2	53.05	413
598	Noida Institute of Engineering & Technology	1	21.92	627
599	Non-Ferrous Materials Technology Development Centre (NFTDC)	1	473.84	76
600	North Bengal University	1	47.05	446
601	North Eastern Regional Institute of Sciences & Technology	2	253.77	151
602	North-Eastern Hill University	4	331.06	114
603	Oriental College	1	33.05	539
604	Osmania University	2	34.00	533
605	P.D. Hinduja National Hospital & Medical Research Centre	1	26.06	591
606	P.D.E.A.'s Ayurved Rugnalaya & Sterling Multispecialty Hospital	1	7.50	789
607	P.E. Society's Modern College of Pharmacy	1	22.75	619
608	P.G. Institute of Medical Education & Research	8	269.78	145
609	P.S.G. College of Technology	4	83.07	319
610	P.S.G. Institute of Advanced Studies	3	144.43	224
611	P.S.G. Institute of Medical Sciences & Research	1	0.29	815
612	P.S.G. Institute of Technology & Applied Research	2	59.35	383
613	P.V.P Siddhartha Institute of Technology	1	11.57	743
614	Pachhunga University College	3	74.79	344
615	Padmabhushan Dr. Vasantrodada Patil Mahavidyalaya	1	21.18	640
616	Pandit Deendayal Energy University	2	80.34	328
617	Pandit Jawaharlal Nehru Memorial Medical College	1	21.00	643
618	Panjab University	12	561.40	61
619	Parul Institute of Pharmacy	1	11.84	741
620	Patna University	1	30.98	555
621	Periyar University	2	191.95	183
622	Physical Reserch Laboratory	1	18.46	682
623	Pimpri Chinchwad College of Engineering	1	39.01	496
624	Pondicherry Engineering College	1	14.37	718
625	Pondicherry University	6	184.85	192
626	Postgraduate Institute of Medical Education & Research	21	417.91	90
627	Prabhat Kumar College	1	31.17	552
628	Pragati Engineering College	1	71.09	353
629	Prasad Pawar Foundation	1	94.25	298
630	Prathyusha Engineering College	1	9.83	767
631	Pravara Rural Engineering College	1	21.96	626
632	PRAYAS Amrita Clinic	1	104.05	281
633	Presidency University	15	544.63	64
634	Principal K.M. Kundhani College of Pharmacy	1	15.22	711
635	PRIST University	1	33.84	534
636	Priyadarshini College of Engineering	1	6.79	795
637	Priyadarshini Institute of Engineering & Technology	1	19.37	668
638	Prof. Jayashankar Telangana State Agricultural University	3	135.21	236
639	Professional Assistance for Development Action (PRADAN)	1	258.49	149
640	Providence Women's College	1	19.25	669
641	Pt. Bhagwat Dayal Sharma P.G. Institute of Medical Sciences	1	23.91	610
642	Punjab Agricultural University	7	200.77	174
643	Punjab Engineering College	2	52.49	415
644	Punjab Remote Sensing Centre	2	35.77	521
645	Punjab State Council for Science & Technology	4	887.49	32
646	Punjabi University	1	74.88	342
647	Q.I.S. College of Engineering & Technology	1	30.82	559
648	R.C. Patel Institute of Pharmaceutical Education & Research	1	17.76	694
649	R.D. Gardi Medical College	1	5.74	803
650	R.M.K. Engineering College	1	8.75	779
651	R.V. College of Engineering	1	13.16	729
652	Raghavendra Institute Pharmaceutical Education & Research	1	10.59	750
653	Raj Kumar Goel Insitute of Technology	2	204.58	173
654	Rajagiri School of Engineering & Technology	1	5.05	805
655	Rajalakshmi Engineering College	1	48.82	433
656	Rajarajeswari Medical College & Hospital	1	10.48	752
657	Rajarambapu College of Pharmacy	1	6.86	794
658	Rajasthan Council for Science & Technology	1	137.04	232
659	Rajasthan Technical University	2	27.76	581
660	Rajasthan University	1	36.56	515
661	Rajendra Institute of Medical Sciences	1	6.02	802
662	Rajendra Memorial Research Institute of Medical Sciences	1	28.83	573
663	Rajiv Gandhi Centre for Biotechnology	10	612.51	54
664	Rajiv Gandhi Institute of Petroleum Technology	1	32.27	544
665	Rajiv Gandhi Science & Technology Commission	1	35.00	527
666	Rajkiya Engineering College	1	18.32	686

**INSTITUTE-WISE NUMBER OF PROJECTS AND TOTAL APPROVED COST (2020-21)**

S. No.	Institute	Total Number of Projects	Total Approved Cost (Rs. Lakh)	Order*
667	Ramakrishna Mission Residential College	1	37.54	504
668	Ramakrishna Mission Vidyamandira	2	72.38	352
669	Ramakrishna Mission Vidyapith	1	25.98	592
670	Ramakrishna Mission Vivekananda Educational & Research Institute	1	91.02	303
671	Raman Research Institute	1	37.53	505
672	Rashtrasant Tukadoji Maharaj Nagpur University	3	130.02	243
673	Rathinam Technical Campus	1	35.89	520
674	Ravenshaw University	1	45.58	454
675	Regional Cancer Centre	1	19.23	670
676	Regional Centre for Biotechnology	12	3885.27	10
677	Reva University	3	116.05	264
678	Rishi Bankim Chandra College	1	19.57	666
679	S.A. Engineering College	2	22.56	621
680	S.I.E.S. Graduate School of Technology	1	3.93	808
681	S.N. Bose National Centre for Basic Sciences	5	159.69	216
682	S.R.M. Institute of Sciences & Technology	22	786.73	42
683	S.R.M. School of Public Health	1	10.00	763
684	S.S. Hospital & Research Institute	1	65.63	361
685	Saha Institute of Nuclear Physics	2	43.81	464
686	Samagra Seva	1	45.18	458
687	SAMEER - Centre for Electromagnetics	1	87.38	308
688	Sanjay Gandhi P.G. Institute of Medical Sciences	7	305.88	126
689	Sanjivani College of Engineering	1	11.92	739
690	Sankara Nethralaya Medical Research Foundation	1	36.88	513
691	Sarada Krishna Homoeopathic Medical College	1	9.06	775
692	Sardar Vallabhbhai National Institute of Technology	6	135.94	234
693	SASTRA University	18	435.15	84
694	Sathyabama University	2	59.25	384
695	Saveetha Engineering College	1	7.13	790
696	Savitribai Phule Pune University	11	330.51	115
697	School of Energy & Environment Management	1	18.57	680
698	Sharamik Bharti	1	56.62	392
699	Sharda University	2	74.85	343
700	SHARE India	2	42.39	475
701	Sher-E-Kashmir University of Agriculture Sciences & Technology (Jammu)	1	51.76	421
702	Sher-E-Kashmir University of Agriculture Sciences & Technology (Kashmir)	3	142.82	225
703	Shiv Nadar University	8	295.46	131
704	Shivaji University	2	43.51	468
705	Shri A.M.M. Murugappa Chettiar Research Centre	2	112.33	269
706	Shri Govindram Seksarai Institute of Technology & Science	1	42.18	478
707	Shri Guru Gobind Singhji Institute of Engineering & Technology	2	25.92	594
708	Shri Mata Vaishno Devi University	2	13.17	728
709	Shri Ram Institute for Industrial Research	1	16.06	705
710	Shri Ramdeobaba College of Engineering & Management	1	19.08	672
711	Shri Vaishnav Vidyapeeth Vishwavidyalaya	1	26.07	590
712	Shroff S.R. Rotary Institute of Chemical Technology	1	56.34	393
713	Siddaganga Institute of Technology	3	51.81	419
714	Sidho Kanho Birsha University	2	48.18	439
715	Sikkim Manipal Institute of Technology	2	8.53	781
716	Sikkim State Council of Science & Technology	3	586.69	59
717	Siksha O Anusandhan University	4	75.67	340
718	Sinhgad College of Engineering	1	38.29	501
719	Sir Ganga Ram Hospital	2	76.01	339
720	Smartx Connected Products Private Limited	1	1.95	813
721	Smt. Kashibai Navale College of Pharmacy	1	12.69	734
722	Smt. Kishoritai Bhojar College of Pharmacy	1	22.35	622
723	Society for Applied Microwave Electronics Engineering & Research	1	153.16	219
724	Society for Promotion of Wastelands Development (SPWD)	1	45.18	457
725	Society For Sustainable Development	1	51.79	420
726	Solapur University	1	34.25	531
727	Sona College of Technology	1	48.84	432
728	South Asian University	2	54.74	404
729	Sree Chitra Tirunal Institute for Medical Sciences & Technology	10	198.97	175
730	Sree Vidyarnikethan Engineering College	1	307.30	124
731	Sri Ganga Ram Hospital	1	39.97	489
732	Sri Krishna College	1	7.62	787
733	Sri Krishna College of Engineering & Technology	5	270.82	143
734	Sri Ramakrishna Engineering College	1	13.51	725
735	Sri Sathya Sai Institute of Higher Learning	2	38.28	502
736	Sri Sivasubramaniya Nadar College of Engineering	5	1360.60	21
737	Sri Venkateshwara Institute of Dental Science	1	24.75	602
738	Sri Venkateshwara Institute of Medical Science	1	47.27	445
739	Sri Venkateswara College	3	84.96	315
740	Sri Venkateswara College of Engineering	2	30.87	557

### INSTITUTE-WISE NUMBER OF PROJECTS AND TOTAL APPROVED COST (2020-21)

S. No.	Institute	Total Number of Projects	Total Approved Cost (Rs. Lakh)	Order*
741	Sri Venkateswara University	2	47.34	444
742	St. Joseph's College of Engineering	1	11.62	742
743	St. Xavier's Catholic College	1	17.93	691
744	State Council of Science, Technology & Environment	1	30.24	566
745	Stella Maris College	1	20.23	657
746	SVPK Mandal's Dwarkadas J. Sanghvi College of Engineering	1	18.08	688
747	Swami Vivekananda Yoga Anusandhana	1	6.34	801
748	Syed Ammal Engineering College	1	14.52	716
749	Symbiosis International University	3	92.96	299
750	Talavady Adhivasigal Munnetra Sangham (TAMS)	1	54.81	402
751	Talla Padmavathi College of Pharmacy	1	12.16	738
752	Tamil Nadu Agricultural University	8	302.34	129
753	Tamil Nadu State Council for Science & Technology	3	298.35	130
754	Tata Institute of Fundamental Research	14	430.25	87
755	Tata Memorial Centre	2	64.87	365
756	Techno India University	1	22.11	624
757	Telangana State Council of Science & Technology	1	37.28	508
758	TERI University	2	326.75	117
759	Tezpur University	12	1203.24	24
760	Thapar Institute of Engineering & Technology	7	184.82	193
761	The Bombay Textile	1	34.08	532
762	The Energy & Resources Institute	3	131.68	240
763	The Green Foundation	1	53.44	409
764	The INCLEN Trust International	1	958.80	29
765	The Oxford College of Engineering	1	15.53	708
766	The Synthetic & Art Silk Mills' Research Association	1	38.24	503
767	Translational Health Science & Technology Institute	5	630.42	51
768	Trident Academy of Technology	1	15.97	706
769	Tripura Institute of Technology	3	10.11	762
770	Tripura State Council for Science & Technology	2	432.39	85
771	Tripura University	3	42.89	470
772	Tuljaram Chaturchand College of Arts, Science & Commerce	1	30.91	556
773	UGC-DAE Consortium for Scientific Research	1	33.71	535
774	Union Christian College	1	27.58	582
775	University College of Engineering	3	110.06	273
776	University College of Medical Sciences	1	45.92	453
777	University Institute of Engineering & Technology	1	10.62	749
778	University of Agricultural Sciences	2	125.71	247
779	University of Petroleum & Energy Studies	1	73.01	351
780	University of Science & Technology	1	28.97	570
781	University Visvesvaraya College of Engineering	1	16.73	703
782	Utkal University	1	10.20	755
783	Uttar Banga Krishi Vishwavidyalaya	3	456.09	82
784	Uttarakhand State Council for Science & Technology	3	180.36	199
785	V.N.R. Vignana Jyothi Institute of Engineering & Technology	2	48.56	436
786	Vallabhbai Patel Chest Institute	3	86.11	312
787	Vardhaman College of Engineering	2	211.87	166
788	Variable Energy Cyclotron Centre	1	19.71	664
789	Vasavi College of Engineering	1	21.29	637
790	Veer Surendra Sai University of Technology	1	7.12	791
791	Veer mata Jijabai Technological Institute	1	20.77	646
792	Vel Tech Dr. Rangarajan & Dr. Sagunthala R&D Institute of Science & Technol	2	52.41	416
793	Velagapudi Ramakrishna Siddhartha Engineering College	1	6.89	793
794	Velammal College of Engineering & Technology	2	36.24	517
795	Vellore Institute of Technology University	30	934.53	30
796	Vignan University	1	23.98	609
797	Vignan's Foundation for Science, Technology & Research	2	190.04	184
798	Vigyan Prasar	1	2047.59	16
799	Vijayangara Sri Krishnadevaraya University	1	17.80	693
800	Vishwadeep Trust	1	81.74	323
801	Vishwakarma Institute of Technology	1	18.45	684
802	Vision Research Foundation	3	111.47	270
803	Visva Bharati University	4	131.24	241
804	Visvesvaraya National Institute of Technology (Nagpur)	3	128.43	244
805	Vivekanand Arts, Sardar Dalip Singh Commerce & Science College	1	19.75	662
806	Vivekanand Education Society's College of Pharmacy	1	19.56	667
807	Vivekanand Global University	1	14.20	721
808	Wadia Institute of Himalayan Geology	4	140.97	227
809	West Bengal State Council of Science & Technology	1	44.60	461
810	West Bengal State University	1	39.15	494
811	Wildlife Institute of India	3	97.15	292
812	Y.R. Gaitonde Centre for AIDS Research & Education	1	487.17	74
813	Yenepoya University	1	28.48	577
814	Yeshwantrao Chavan College of Engineering	1	12.89	731

INSTITUTE-WISE NUMBER OF PROJECTS AND TOTAL APPROVED COST (2020-21)				
S. No.	Institute	Total Number of Projects	Total Approved Cost (Rs. Lakh)	Order*
815	Zoological Survey of India Individual Scientists & Others	3 10	101.70 82.6	285
<b>Grand Total</b>		<b>3180</b>	<b>200270.10</b>	

S. No.	Institute	Total Number of Projects	Total Approved Cost (Rs. Lakh)	Order*
815	Zoological Survey of India Individual Scientists & Others	3 10	101.70 82.6	285
<b>Grand Total</b>		<b>3180</b>	<b>200270.10</b>	

Note \* Order is based on total approved cost

<b>STATE-WISE SUPPORT TO EXTRAMURAL R&amp;D PROJECTS DURING 2020-21</b>
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			(Rs. Lakh)
No.	State/UT	No. of Projects	Total Approved Cost
1	Andaman & Nicobar Islands	2	73.42
2	Andhra Pradesh	72	2530.63
3	Arunachal Pradesh	10	706.78
4	Assam	127	16411.32
5	Bihar	34	1200.27
6	Chandigarh	57	2754.09
7	Chhattisgarh	15	566.18
8	Delhi	275	16182.46
9	Goa	24	971.31
10	Gujarat	73	5239.91
11	Haryana	52	6668.36
12	Himachal Pradesh	35	1831.92
13	Jammu & Kashmir	45	1998.28
14	Jharkhand	36	1420.17
15	Karnataka	254	13474.69
16	Kerala	121	6373.00
17	Madhya Pradesh	88	4802.50
18	Maharashtra	282	18318.04
19	Manipur	12	755.39
20	Meghalaya	17	1588.29
21	Mizoram	12	805.75
22	Nagaland	2	141.33
23	Odisha	106	4949.94
24	Puducherry	19	509.38
25	Punjab	102	4017.56
26	Rajasthan	99	4026.18
27	Sikkim	7	900.97
28	Tamil Nadu	350	33556.63
29	Telangana	209	8774.43
30	Tripura	15	746.56
31	Uttar Pradesh	264	17482.85
32	Uttarakhand	105	4969.89
33	West Bengal	259	15521.62
<b>Grand Total</b>		<b>3180</b>	<b>200270.10</b>

**DISTRIBUTION OF TOP FIFTEEN INSTITUTIONS BY  
NUMBER OF PROJECTS DURING 2020-21**

S. No.	Institute	Total No. of Projects
1	Indian Institute of Technology (Kanpur)	92
2	Indian Institute of Technology (Kharagpur)	86
3	Indian Institute of Technology (Roorkee )	79
4	Indian Institute of Science	78
5	Indian Institute of Technology (Bombay)	76
6	All India Institute of Medical Sciences	73
7	Indian Institute of Technology (Delhi)	72
8	Indian Institute of Technology (Madras)	61
9	Birla Institute of Technology & Science (Pilani )	59
10	Indian Institute of Technology (Guwahati)	42
11	Indian Institute of Technology (Hyderabad)	37
12	Indian Institute of Technology (Indore)	32
13	Vellore Institute of Technology University	30
14	Indian Institute of Technology (Jodhpur)	27
15	Indian Institute of Technology (Gandhinagar)	25
16	Banaras Hindu University	25
	<b>Total</b>	<b>894</b>

**DISTRIBUTION OF TOP FIFTEEN INSTITUTIONS BY  
TOTAL APPROVED COST DURING 2020-21**

S. No.	Institute	Total Approved Cost of Projects (Rs. Crore)
1	Indian Institute of Technology (Madras)	193.42
2	Indian Institute of Technology (Guwahati)	86.78
3	Indian Institute of Technology (Kanpur)	69.55
4	Indian Institute of Technology (Bombay)	60.83
5	Indian Institute of Science	60.13
6	Indian Institute of Technology (Kharagpur)	44.57
7	Bose Institute	43.05
8	All India Institute of Medical Sciences	40.31
9	Centre for Development of Advanced Computing (C-DAC)	40.18
10	Regional Centre for Biotechnology	38.85
11	Indian Institute of Technology (Roorkee )	33.29
12	Assam Agricultural University	33.23
13	Indian Institute of Technology (Delhi)	31.82
14	Centre for Materials for Electronics Technology (C-MET)	31.21
15	National Rail & Transportation Institute	26.19
	<b>Total</b>	<b>833.41</b>

## **LIMITATIONS**

The data on Extramural R&D projects supported under different schemes/programmes implemented by the Ministries/Departments/Agencies of the Central Government was collected using a standardized questionnaire designed by NSTMIS, DST. Each of these Ministries/Departments/Agencies have multiple schemes coordinated by different teams, resulting into multiple contact points for collecting the desired information which at times became a fairly time-consuming process. Sometimes, a shortage of staff in these Ministries/Departments/Agencies leads to delays in data sharing, requiring multiple follow-ups to obtain complete data. Out of 20 funding agencies approached, 14 provided data for the year 2020-21. The COVID-19 pandemic is observed to have affected EMR project support in some funding agencies, leading to a shortfall in total funding during 2020-21. Despite repeated efforts and personal visits by the survey team, data from few funding agencies either couldn't be obtained or only partial data was received. The data received from varied sources had to be processed for cross-validation for data inaccuracy, data inconsistency, duplicity, etc. through clarifications from the funding agencies and accessing data available on secondary sources. As the listing of projects is based on the inputs received from responding agencies, it is assumed that the information they provided was complete. The project cost refers to the initial approved cost for the initial approved duration of the project. It is quite possible that some of the projects mentioned in this directory may not be R&D projects in the strict sense of the term.



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