

SI No	Title of the Project	Principal Investigator	Agency Type	Sponsoring Agency	Project Start Date	Project Closed Date	Sanctioned Amount	Dept.	Remarks
1	Effects of Quantum Confinement, correlation and disorder on the light emitting states of semiconductors and other nanostructures studied through low temperature photoluminescence spectroscopy in magnetic fields up to 35 tesla	Dr. Bhavtosh Bansal	National	SERB	17 May 2019	16 May 2022	4,988,896	DPS	Ongoing
2	Vortex Lattice in Strongly Correlated unconventional superconductors	Prof. Amit Ghosal	National	SPARC	13 June 2019	31 March 2023	4,913,108	DPS	Ongoing
3	Polarization Mueller matrix spectroscopy and weak measurements on plasmonic metamaterials	Prof. Nirmalya Ghosh	National	SERB	19 February 2020	18 February 2023	5,998,243	DPS	Ongoing
4	Topological insulators and superconductors	Dr. Sourin Das	National	SERB	19 February 2020	18 February 2023	660,000	DPS	Ongoing
5	Dynamical signatures of transcriptional noise sources	Dr. Anandamohan Ghosh	National	SERB	21 February 2020	20 February 2023	660,000	DPS	Ongoing
6	Gravitational Wave Production During and After Inflation: A Complimentary Goal	Dr. Koushik Dutta	National	SERB	01 May 2020	30 April 2023	660,000	DPS	Ongoing
7	Fabrication and Implementation of spin qubit based quantum gates for quantum information processing in solid state systems	Prof. Chiranjib Mitra	National	DST	20 April 2020	19 April 2023	38,526,000	DPS	Ongoing
8	An evolutionary game-theoretic analysis of decision heuristics that sustains cooperation in social networks	Dr. Supratim Sengupta	National	SERB	28 December 2020	27 December 2023	660,000	DPS	Ongoing
9	Quantum Sensing for Diatomic molecules	Prof. Prasanta Panigrahi	National	DRDO	09 June 2021	08 June 2022	959,260	DPS	Ongoing
10	JC Bose Fellowship	Prof. Soumitra Banerjee	National	DST	01 February 2021	31 October 2025	9,025,000	DPS	Ongoing
11	Effects of gravitational time dilation on neutron star equation of states	Dr. Golam Mortuza Hossain	National	SERB	21 February 2022	20 February 2025	660,000	DPS	Ongoing
12	Holographic Geometry of Quantum Matter	Dr. Siddhartha Lal	National	SERB	23 February 2022	22 February 2025	660,000	DPS	Ongoing
13	Exploring the many -particle entanglement and quantum criticality of quantum matter	Dr. Siddhartha Lal	National	SERB	28 February 2022	27 August 2025	3,127,696	DPS	Ongoing
14	High Pressure Studies on Pb-free Halide Perovskites and double-Perovskites: A search for improved optoelectronic behavior	Prof. Goutam Dev Mukherjee	National	SERB	19 March 2022	18 March 2025	4,665,287	DPS	Ongoing
15	Developing Rapid-Scan Optical Delay based Ultra Broadband Terahertz Spectroscopy	Dr. Kamaraju Natarajan	National	SERB	14 March 2022	13 March 2025	3,121,294	DPS	Ongoing
16	Quantum Information Technologies with Photonic Devices	Prof. Prasanta Panigrahi	National	DST	24 April 2019	31 March 2023	14,474,000	DPS	Ongoing
17	Fluorometric polymeric sensor for speedy formalin detection in commercial fishes	Prof. Priyadarsi De	National	MHRD-STARs	13 February 2020	12 February 2023	4,943,000	CAFm	Ongoing
18	Genome-enabled environmental genomics and expression profiling of marine diatoms in a high Co2 World "Swarnajayanti Fellowship"	Prof. Punyasloke Bhadury	National	DST	15 October 2019	14 October 2024	17,449,480	CCES	Ongoing
19	Machine Learning Based Assessment of the Solar Forcing of Space Environment	Prof. Dibyendu Nandi	National	SPARC	04 November 2020	03 November 2022	6,766,770	CESSI	Ongoing
20	Samart Legal Consultant: AI-Based Legal Analytics Project	Dr. Kripabandhu Ghosh	National	TCG CREST	28 January 2021	27 January 2023	5,338,900	DCDS	Ongoing
21	J C Bose Fellowship	Prof. Sourav Pal	National	DST	12 October 2017	21 July 2023	6,319,996	DCS	Ongoing

22	Interfacial crystallization of colvent organic frameworks and colvent organic framework membranes with ultrahigh surface area for molecular separation and methane storage (Swarnajayanti Fellowship)	Dr. Rahul Banerjee	National	SERB	16 August 2018	15 August 2023	19,200,000	DCS	Ongoing
23	Light driven switching of acidity and control of catalytic activity	Prof. Subhajit Bandyopadhyay	National	SERB	16 January 2019	16 July 2022	4,466,704	DCS	Ongoing
24	Roll-to-roll printed electronic labels for temperature, humidity and tampering detections	Dr. Debansu Chaudhuri	International	Indo-German	15 March 2019	31 March 2023	16,060,320	DCS	Ongoing
25	Renewable and Sustainable Energy Storage and Production: Conversion of CO ₂ into Formic Acid and Methanol Using Non-Precious Transition Metal Catalysed Hydrogenation	Prof. Sourav Pal	National	SERB	26 March 2019	25 December 2022	23,239,600	DCS	Ongoing
26	Thiophene-based conjugated porous polymer thin films	Prof. Sanjio S. Zade	National	SERB	16 May 2019	15 November 2022	3,084,450	DCS	Ongoing
27	Cipla Consultancy	Prof. C. Malla Reddy	National	CIPLA	24 June 2019	23 June 2023	1,500,000	DCS	Ongoing
28	Porous Covalent Organic frameworks with Exceptional Chemical Stability for CO ₂ Capture	Dr. Rahul Banerjee	National	Tata Steel	09 October 2019	31 March 2023	750,000	DCS	Ongoing
29	Targeted delivery of Lysosomal enzyme using mannose-6 phosphate modifies nanocarriers for treatment of lysosomal storage diseases	Dr. Sayam Sen gupta	National	DST-Nanomission	29 June 2019	28 June 2022	6,982,710	DCS	Ongoing
30	Information theoretic measures and complexity under free and confinement situations within DFT: some model and many electron system	Prof. Amlan K Roy	National	BRNS DAE	11 July 2019	10 July 2022	1,787,850	DCS	Ongoing
31	Silicon Valley Community Foundation	Prof. Sourav Pal	International	Silicon Valley Community Foundation	03 July 2019	02 July 2022	680,506	DCS	Ongoing
32	Targeting Alzheimer's selective detection with GM1 oligosaccharide decorated porphyrin dendrimers	Dr. Rituparna Das	National	DST	01 October 2019	30 September 2022	3,705,200	DCS	Ongoing
33	Hierarchical Porous Covalent Organic Nanosheets and Nanosheets Based Hybrid Membranes for Carbon Capture and Separation of CO ₂	Dr. Rahul Banerjee	National	DST	15 October 2019	14 October 2022	5,632,000	DCS	Ongoing
34	Ramanujan Fellowship	Dr. Debabrata Mukherjee	National	SERB	01 March 2018	29 February 2024	3,800,000	DCS	Ongoing
35	Development of 3D Printed Porous Covalent Organic Framework (COF) based Hybrid Foam Like Nano Structures for the Visible Light-driven Water-splitting and Carbon Dioxide Reduction	Dr. Rahul Banerjee	National	DST	30 December 2019	29 December 2022	7,011,792	DCS	Ongoing
36	Computational investigations of transition-metal catalyzed Chan-Lam coupling and other relevant stereoselective C-N bond formation reactions	Prof. Debasis Koley	National	SERB	06 February 2020	05 February 2023	3,322,000	DCS	Ongoing
37	Design of appropriate DFT method to mimic pressure effect on atoms and molecules confined in various environment	Prof. Amlan K Roy	National	SERB	06 February 2020	05 February 2023	3,505,390	DCS	Ongoing
38	From Waste to Asset using Cheap and Abundant Alkaline Earth Metal Catalysts: Carbon dioxide as a building block for Methanol Formation and N-Methylation of Amines	Prof. Debasis Koley	National	MHRD-STARS	10 June 2020	09 June 2023	9,349,000	DCS	Ongoing

39	Catalytic Reduction of CO ₂ under Ambient Condition: A Metal-free Approach using Organic Radicals	Prof. Swadhin K. Mandal	National	MHRD-STARS	05 February 2020	04 February 2023	8,979,000	DCS	Ongoing
40	Ultra sensitive Single Particle Photon Correlation and Ultrafast Dynamics in Doped Perovskite Quantum Dots	Prof. Prasun K. Mandal	National	SERB	11 February 2020	10 February 2023	6,229,695	DCS	Ongoing
41	Photoredox/Transition-Metal Dual Catalysis: Applications in Visible-Light-Mediated Carbon-Carbon Bond Formations and Asymmetric Transformations	Dr. Biplab Maji	National	SERB	17 February 2020	16 February 2023	5,896,000	DCS	Ongoing
42	Information entropy in free and confined non-central potentials	Prof. Amlan K Roy	National	SERB	19 February 2020	18 February 2023	660,000	DCS	Ongoing
43	Design and Synthesis of Porous Crystalline Covalent Organic Framework Foams for Micropollutant Removal	Dr. Rahul Banerjee	National	SERB	30 March 2020	29 March 2023	8,908,590	DCS	Ongoing
44	A Structural Topology-based Electrostatic Model (Stem) of RNA to investigate functional conformational changes of bacterial and viral RNAs	Dr. Susmita Roy	National	DBT	02 March 2020	01 March 2023	6,043,360	DCS	Ongoing
45	Development of highly Effective & Non-Toxic Catalysts for hydrosilylation toward Industrial application background	Prof. Swadhin K. Mandal	National	Wacker Metroark	07 July 2020	31 May 2022	5,965,000	DCS	Ongoing
46	Porous Conjugated Polymers for All Polymer Solar Cells	Prof. Sanjio S. Zade	National	DST	28 September 2020	27 September 2023	4,004,731	DCS	Ongoing
47	Chelated Ion' in RNA structure function	Dr. Susmita Roy	National	SERB	04 December 2020	03 December 2022	2,376,000	DCS	Ongoing
48	Development of Synthetic Methodologies by Electrochemical Redox Activation	Dr. Suman De Sarkar	National	SERB	03 December 2020	02 December 2023	4,642,000	DCS	Ongoing
49	Molecular Recognition and Stimuli-responsive Nano-structured Material for Organelle Specific Imaging and Drug Release	Prof. Amitava Das	National	SERB	18 December 2020	17 December 2023	6,175,400	DCS	Ongoing
50	Total Syntheses of Architecturally Intriguing Indeno-Tetrahydropyridine Alkaloids	Prof. Alakesh Bisai	National	SERB	22 December 2020	21 December 2023	3,850,000	DCS	Ongoing
51	Sustained Autonomy in Out of Equilibrium Supramolecular materials (Swarjayanti Fellowship)	Dr. Dibyendu Das	National	SERB	09 December 2020	08 December 2025	37,596,800	DCS	Ongoing
52	Dynamical Insights into Fragmentations and Ionizations of Molecules under the Influence of Intense Laser Pulses	Prof. Ashwani Kumar Tiwari	National	SERB	22 December 2020	21 December 2023	6,168,888	DCS	Ongoing
53	Immiscible Bimetallic Nanostructures as Multifunctional Electrocatalysts	Prof. Sayan Bhattacharyya	National	SERB	22 December 2020	21 December 2023	7,059,888	DCS	Ongoing
54	J C Bose Fellowship	Prof. Amitava Das	National	SERB	1 January 2020	14 March 2023	5,050,000	DCS	Ongoing
55	Swarjayanti Fellowship	Dr. Dibyendu Das	National	DST	09 December 2020	08 December 2025	2,500,000	DCS	Ongoing
56	Development of Synthetic Methodologies by Photoredox catalysis based on Non-covalent Interactions and Cooperative Catalysis	Dr. Suman De Sarkar	National	CSIR	01 August 2021	31 July 2024	3,242,000	DCS	Ongoing
57	Development of Homogeneous manganese Catalysts: Application in Hydrogenations, Carbon-Carbon and Carbon-Hetroatom Bond Formations, Asymmetric Transformations	Dr. Biplab Maji	National	CSIR	02 September 2021	01 September 2024	1,850,000	DCS	Ongoing
58	Enantioselective arrays of binding pockets in cross β amyloid assemblies	Dr. Dibyendu Das	National	CSIR	01 April 2021	31 March 2024	1,800,000	DCS	Ongoing
59	Total Synthesis of Naturally Occurring Meroterpenoids of Biological Relevance	Prof. Alakesh Bisai	National	CSIR	18 January 2022	17 January 2025	1,500,000	DCS	Ongoing
60	Development of Foldamer Based Organic Phosphorescent Materials	Prof. Debasish Haldar	National	CSIR	02 September 2021	01 September 2024	1,490,000	DCS	Ongoing

61	Development of Self-Supported Electrode for Large Scale Electrochemical Hydrogen Generation	Prof. Sayan Bhattacharyya	National	GAIL	09 August 2021	08 August 2023	10,000,000	DCS	Ongoing
62	Construction of Contiguous All-Carbon Quaternary Centers: Total Synthesis of Polymeric cis-Pyrrolidino[2,3-b]indoline Alkaloid	Prof. Alakesh Bisai	National	SERB	03 March 2020	02 March 2023	6,842,000	DCS	Ongoing
63	SYNTHESIS STABILIZATION OF LOW-COORDINATE PHOSPHINIDENES: TOWARDS CATALYTIC APPLICATIONS	Prof. Swadhin Mandal	National	CSIR	01 August 2021	31 July 2024	2,333,333	DCS	Ongoing
64	Time Independent and Time-Dependent Information in Various Confined Systems	Prof. Amlan K Roy	National	CSIR	01 August 2021	31 July 2024	1,690,667	DCS	Ongoing
65	ORGANOMETALLIC MULTINUCLEAR D6/D8 METAL COMPLEXES FOR THE THERANOSTIC APPLICATION CELLULAR IMAGING TO METALLO-DRUGS	Dr. Parna Gupta	National	CSIR	01 August 2021	31 July 2024	1,300,000	DCS	Ongoing
66	Bench Scale Study of COF for CO ₂ Capture and Storage	Dr. Rahul Banerjee	National	Tata Steel	01 April 2021	31 March 2022	1,200,000	DCS	Ongoing
67	Polyisobutylene Based Polymeric Architectures by Tandem Living Polymerizations	Prof. Priyadarsi De	National	SERB	01 December 2021	30 November 2024	6,237,000	DCS	Ongoing
68	Self-assembled Cyano-substituted Stilbenes: Phototunable Multi-color Luminescence, Multivalent Bio-analyte Sensing and Artificial Light Harvesting	Dr. Supratim Banerjee	National	SERB	01 December 2021	30 November 2024	6,108,696	DCS	Ongoing
69	Investigation on the role of bulk trap states on the resistive state switching in organic semiconductor devices	Dr. Ratheesh K Vijayaraghavan	National	SERB	13 December 2021	12 December 2024	3,127,696	DCS	Ongoing
70	Exploring Atomic and Molecular Electronic Excitation in Strong Magnetic Fields	Dr. Sangita Sen	National	SERB	13 December 2021	12 December 2023	2,267,278	DCS	Ongoing
71	visible-light distal trifluoromethyl (thiol)ation of C (sp ³)-H Bonds	Dr. Sureshkumar Devarajulu	National	SERB	03 December 2021	02 December 2024	3,330,283	DCS	Ongoing
72	2D and 3D Metal-halide Perovskite Nanostructures for Photochemical and Electrochemical Energy Conversion Reactions	Prof. Sayan Bhattacharyya	National	SERB	27 December 2021	26 December 2024	3,850,000	DCS	Ongoing
73	Designing Metal complexes of organic directing ligands to target cancer stem cells (CSCs): Inhibiting the Notch Signaling pathway	Prof. Arindam Mukherjee	National	SERB	29 December 2021	28 December 2024	5,082,000	DCS	Ongoing
74	Exploration of Mechanically Flexible Organic Single Crystals in Flexible Opto-Electronic Devices	Prof. C Malla Reddy	National	SERB	14 January 2022	13 January 2025	10,296,000	DCS	Ongoing
75	Up-scalable self-assembled lipid nanoparticles for in vivo targeting of SARS-CoV-2 antigen encoded mRNA vaccines to dendritic cells	Prof. Arabinda Chaudhuri	National	BBIL	01 January 2022	31 December 2022	3,500,000	DCS	Ongoing
76	Synthesis of 1-Benzyl-5-Phenyl Barbituric Acid	Prof. Alakesh Bisai	National	Berzelius Chemical Pvt. Ltd.	04 February 2022	03 May 2022	370,320	DCS	Ongoing
77	Flexible Transparent Polymeric Sheet for Underwater Stealth Applications	Prof. Priyadarsi De	National	DRDO	27 January 2022	26 July 2023	979,000	DCS	Ongoing
78	Stereoselective cationic (co)polymerization of suitable polar and non polar monomers and their kinetic studies	Prof. Priyadarsi De	International	ExxonMobil Chemical Company	21 February 2022	20 August 2023	3,355,040	DCS	Ongoing
79	Discovery of Covalent-Organic Nanotubes (CONTs): A Possible Carbon Nanotube (CNT) Alternative	Prof. Rahul Banerjee	National	SERB	19 March 2022	18 March 2025	7,920,000	DCS	Ongoing

80	Design of fibre-like cross linked high stable polymeric material to remediation of textile generated waste management	Prof. Raja Shunmugam	National	MOT	29 March 2022	28 March 2025	7,954,000	DCS	Ongoing
81	Monitoring Nitrogen isotopes in precipitation from two urban areas(Delhi and Kolkata in India	Dr. Sayantan Sarkar	International	IAEA (International Atomic Energy Agency)	25 October 2018	30 June 2023	1,234,000	CCES	Ongoing
82	Estimation of evaporation loss in domestic water supply and evaluation of urbanization of hydrology: A case study from New Delhi, India	Prof. Prasanta Sanyal	International	IAEA (International Atomic Energy Agency)	29 May 2018	28 May 2021	1,550,000	CCES	Ongoing [Note: Closure not provided by PI]
83	Increasing Resilience to Earthquake in North India	Prof. Supriyo Mitra	International	The Royal Society UK	01 December 2018	30 November 2022	5,674,180	CCES	Ongoing
84	Attenuation Structure of J&K Himalaya Using Coda-Q tomography	Prof. Supriyo Mitra	National	MoES	26 June 2019	25 June 2022	3,141,000	CCES	Ongoing
85	Engineering nature inspired peptide based nanomedicine for blood clotting and wound healing	Dr. Rituparna Sinha Roy	National	DBT	27 March 2019	21 March 2023	10,988,160	CCES	Ongoing
86	Engineering mechanistically rational peptide based immuno combination therapy for managing metastasis and drug resistant breast cancer	Dr. Rituparna Sinha Roy	National	SERB	30 March 2021	29 March 2024	3,810,000	CCES	Ongoing
87	Multi-dimensional Research to Enable System Medicine: Accelerating using a Cluster Approach' at Kalyani, West Bengal" (SyMeC)	Prof. Jayasri Das Sarma	National	DBT	04 April 2017	08 July 2022	104,565,000	DBS	Ongoing
88	Novel regulatory mechanisms of human cooper transporters ATP7B and CTR1	Dr. Arnab Gupta	National	WT-DBT	01 May 2017	30 April 2023	35,020,260	DBS	Ongoing
89	Understanding the Role of Regulatory particle non-ATPase 3 (Rpn3) in Collective cell migration: in vivo studies using border cells in Drosophila	Prof. Mohit Prasad	National	DBT	27 December 2017	26 June 2022	4,424,000	DBS	Ongoing
90	Inspire Faculty Award	Dr. Adrita Choudhuri	National	DST	23 April 2018	22 April 2023	10,963,533	DBS	Ongoing
91	Decision making in the context of relocation in an Indian ant: Small brains and big feats?	Prof. Sumana Annagiri	National	SERB	19 December 2018	18 June 2022	4,387,800	DBS	Ongoing
92	Life -history constraints in grassland plant species of the Eastern Terai in India: are trade-offs associated with competition, growth and defence important for community Structure?	Dr. Robert Jhon Chandran	National	SERB	30 March 2019	29 June 2022	3,560,577	DBS	Ongoing
93	Computational modeling of collective cell motion to explore its mechanical features and roles in development	Dr. Dipjyoti Das	National	DBT	01 July 2019	30 June 2024	4,250,000	DBS	Ongoing
94	Unravelling the mechanisms of temperature-mediated regulation of growth and development in plants	Dr. Sreeramaiah N. Gangappa	National	DBT	01 August 2019	31 July 2024	4,250,000	DBS	Ongoing
95	Profiling of bromodomain specific interacting partners using unnatural amino acid mutagenesis	Dr. Babu Sudhamalla	National	DBT	01 July 2019	30 June 2024	4,250,000	DBS	Ongoing
96	IMPAIRED QUALITY CONTROL OF CONNEXIN43 AND DECREASED ASTROCYTE GAP JUNCTIONAL COMMUNICATION IN A MOUSE HEPATITIS VIRUS INDUCED MODEL OF HUMAN NEUROLOGICAL DISEASE: MULTIPLE SCLEROSIS	Prof. Jayasri Das Sarma	National	CSIR	04 November 2019	03 November 2021	1,447,833	DBS	Ongoing [Note: Closure not provided by PI]

97	Deciphering the complex cross-talk between micro-RNAs, competitive endogenous RNAs and RNA binding proteins and its effect on turnover/translation to target mRNAs in human breast cancer	Dr. Kamalika Sen	National	DST	01 November 2019	31 October 2022	3,660,200	DBS	Ongoing
98	Unravelling the role of Phytochrome B in temperature-mediated regulation of growth and defense responses in Rice (<i>Oryza sativa</i> L.)	Dr. Sreeramaiah N. Gangappa	National	MHRD-STARS	10 June 2020	09 June 2023	4,992,000	DBS	Ongoing
99	Actin Cytoskeleton Mediated Regulation of Golgi Architecture and Vesicular Trafficking by trans-Golgi Associated Protein nPIST	Dr. Sankar Maiti	National	MHRD-STARS	05 February 2020	04 February 2023	4,509,000	DBS	Ongoing
100	Investigation of autophagosome-lysosome fusion defect in a <i>Drosophila</i> model of MPS VII to identify potential drug targets and druggable molecules	Dr. Rupak Datta	National	MHRD-STARS	05 February 2020	04 February 2023	4,958,000	DBS	Ongoing
101	Investigating the role of anti-inflammatory drugs on migrating border cell in <i>Drosophila</i> oogenesis: an excellent model for studying tumor metastasis	Prof. Mohit Prasad	National	MHRD-STARS	24 February 2020	23 February 2023	4,991,000	DBS	Ongoing
102	Functional Characterization of the Novel Actin-Interacting Protein Kaptin and Its Regulation of Cytoskeleton Dynamics in Neurons	Dr. Sankar Maiti	National	SERB	19 February 2020	18 February 2023	2,722,500	DBS	Ongoing
103	Diffusion of Embedded Proteins in Cell Membranes: A Theoretical Framework to Guide Computer Simulations	Dr. Neelanjana Sengupta	National	SERB	17 February 2020	16 February 2023	660,000	DBS	Ongoing
104	Role of Membrane Fluctuations and Cell Mechanics in myogenesis	Dr. Bidisha Sinha	National	SERB	06 March 2020	05 March 2023	4,072,319	DBS	Ongoing
105	Structural studies on Mycobacterium Ribosome-CgtA complexes by cryo-EM towards identifying potential drug target(s)	Dr. Partha Pratim Datta	National	MHRD-STARS	15 May 2020	14 May 2023	4,949,000	DBS	Ongoing
106	Integrating metabolic and protein engineering for the production of sustainable biofuels	Dr. Supratim Datta	National	MHRD-STARS	15 May 2020	14 May 2023	7,555,000	DBS	Ongoing
107	All-optical probing of caveolac-mediated local membrane tension regulation in 2D and 3D-like microenvironment	Dr. Bidisha Sinha	International	CEFIPRA	01 August 2020	31 July 2023	6,707,649	DBS	Ongoing
108	Monitoring Biodiversity and Ecosystem Services for Ecosystem Enhancement under the green India Mission	Dr. Robert Jhon Chandran	National	Madhya Pradesh State Biodiversity Board	01 August 2020	31 March 2022	4,472,049	DBS	Ongoing
109	Deciphering the epigenetic mechanism of EGFR mediated TRIM24 recruitment in cancer progression	Dr. Babu Sudhamalla	National	SERB	16 December 2020	15 December 2023	4,114,500	DBS	Ongoing
110	Monitoring Freshwater Fish Population in Selected Indian Landscapes with Reference to the Changing Climatic Variables	Dr. Anuradha Bhat	National	MoEFCC	01 October 2020	30 September 2025	3,000,000	DBS	Ongoing
111	Response of diverse protein states to thermodynamic extremes: Computational investigations of the pressure-temperature stability	Dr. Neelanjana Sengupta	National	SERB	22 December 2020	21 December 2023	2,840,882	DBS	Ongoing
112	Leveraging reverse genetics strategies to study structure-function interplay of virus attachment spike protein to design therapies for COVID-19	Prof. Jayasri Das Sarma	International	IUSSTF	26 October 2020	25 October 2022	3,400,000	DBS	Ongoing
113	Understanding the mechanism of altered cell signaling due to differential activation of zeta-chain-associated protein tyrosine kinase, ZAP-70, in T-cells	Dr. Rahul Das	National	SERB	25 February 2021	24 February 2024	4,477,000	DBS	Ongoing

114	Enveda Biosciences-IISERK Wilson Disease	Dr. Arnab Gupta	International	Enveda Biosciences	01 March 2021	30 April 2022	2,013,000	DBS	Ongoing
115	Determination of circulating microRNA signatures of common respiratory diseases: A pilot study	Dr. Partho Sarothi Ray	National	WB-DSTB	01 October 2021	30 September 2022	1,254,400	DBS	Ongoing
116	Understanding the impact of variation in plant defenses with edaphic factors on tri-trophic interactions using brassica plants from NER as study system	Dr. Radhika Venkatesan	National	DBT	31 March 2021	30 March 2024	3,592,800	DBS	Ongoing
117	Understanding the impact of diet on insect physiology, innate immunity and trophic interactions	Dr. Radhika Venkatesan	National	SERB	12 July 2021	11 July 2024	5,314,980	DBS	Ongoing
118	Understanding the anti-viral role of Ifit2 against murine β -Coronavirus infection	Prof. Jayasri Das Sarma	National	SERB	09 August 2021	09 August 2024	5,739,888	DBS	Ongoing
119	Nature vs Nature: Exploring Behavioural Syndromes in free ranging Dogs	Dr. Anindita Bhadra	National	DBT	25 August 2021	24 August 2026	2,600,000	DBS	Ongoing
120	The other side of street life in free-ranging dogs (FRD) in India: Anexploration of adoption predictors, practices, and perspectives on FRD in shelters and homes	Dr. Anindita Bhadra	International	WALTHAM	01 October 2021	30 September 2023	2,231,280	DBS	Ongoing
121	Campylobacter Jejuni Outer Membrane Vesicles: Role in Host Pathogen Interaction and vaccine perspectives	Dr. Amirul Islam Mallick	National	DBT	29 September 2021	28 September 2024	3,957,800	DBS	Ongoing
122	Assessing the immuno-therapeutic potential of type III interferons-IFNs (IFN- λ) against Avian Influenza virus (AIV) infections in murine and chickens models	Dr. Amirul Islam Mallick	National	DBT	29 September 2021	28 September 2024	4,355,200	DBS	Ongoing
123	Understanding the role of Target of Rapamycin TOR signaling in mediating cell shape transition during epithelial morphogenesis using the fly oogenesis model	Prof. Mohit Prasad	National	SERB	30 December 2021	29 December 2024	4,744,872	DBS	Ongoing
124	Understanding the trafficking regulation of human Copper ATPases	Dr. Arnab Gupta	National	SERB	21 January 2022	20 January 2025	4,183,080	DBS	Ongoing
125	Developing a nature-inspired, general approach for enzymatic synthesis of hybrid biopolymer peptide oligonucleotide conjugates	Dr. Purba Mukherjee	National	DBT	18 August 2021	17 August 2024	4,600,000	DBS	Ongoing
126	Development of a generalised deimmunisation approach for protein biotherapeutics	Dr. Purba Mukherjee	National	SERB	09 February 2022	28 June 2022	2,781,000	DBS	Ongoing
127	FIST Program-2017	DBS, Head	National	DST	01 October 2018	30 September 2023	11,200,000	DBS	Ongoing
128	Application and development of Isotope techniques to evaluate human impact on water balance and nutrient dynamics of Large River Basins	Prof. Prasanta Sanyal	International	IAEA (International Atomic Energy Agency)	29 May 2014	28 May 2018	716,836	DES	Ongoing [Note: Closure not provided by PI]
129	Decoding the late Quaternary track of Indian monsoon in the Gangetic plain and its control on the vegetation and fluvial patterns: a multi-proxy approach	Prof. Prasanta Sanyal	National	SERB	28 January 2019	30 May 2022	23,016,800	DES	Ongoing
130	Crustal evolution of the Eastern Madurai Domain of Granulite Terrane of South India: A petrochronological study on granulite-facies rocks from the western part of the domain	Dr. Tapabrato Sarkar	National	MoES	25 October 2019	24 October 2023	6,128,320	DES	Ongoing
131	Seismic Imaging using Inversion Modeling	Dr. Kajaljyoti Borah	National	SERB	10 February 2020	09 February 2023	660,000	DES	Ongoing
132	3-D shear velocity and attenuation structure of northeast India	Dr. Kajaljyoti Borah	National	SERB	22 January 2021	21 January 2024	2,312,630	DES	Ongoing

133	Understanding the Catchment Hydrology of eastern Himalayan River: A stable isotopic approach	Prof. Prasanta Sanyal	National	BRNS -DAE	09 July 2021	08 July 2024	2,485,100	DES	Ongoing
134	Co-creating Sustainable Agri-Water Use in the Hindon sub-basin –A Multi Scale Participatory Approach	Prof. Prasanta Sanyal	National	DST	07 February 2022	06 February 2027	26,136,385	DES	Ongoing
135	Thermoelasticity of Mineral Phases of Subducting Slabs: A Computational Study	Dr.Gaurav Shukla	National	SERB	28 December 2021	27 December 2023	2,832,560	DES	Ongoing
136	Analysing temporal trends in regional paleo-metacommunity structures of the post-Miocene marine fossils of the western India using taxonomic and ecological diversities	Dr. Subhronil Mondal	National	SERB	30 December 2021	29 December 2024	2,594,360	DES	Ongoing
137	The plastic pandemic: The fate of weathered-single-used PPE kits and other related products during Covid-19 in the aquatic environments	Dr. Gopala Krishna Darbha	National	SERB	27 June 2022	26 June 2025	5,555,000	DES	Ongoing
138	Effect of impurities on the isotope geochemistry of some important rock forming minerals: A combined theoretical and experimental study	Dr. Swastika Chatterjee	National	SERB	22 June 2022	26 June 2025	3534696	DES	Ongoing
139	Inspire Faculty Award	Dr. Rajib Dutta	National	SERB	23 September 2016	9 September 2022	3,500,000	DMS	Ongoing
140	Inspire Faculty Award	Dr. Soumya Bhattacharyya	National	DST	04 October 2017	03 October 2022	8,627,428	DMS	Ongoing
141	Inspire Faculty Award	Dr. Md Ali Zinna	National	DST	19 January 2017	18 January 2023	8,594,390	DMS	Ongoing
142	Inspire Faculty Award	Dr. Soumalya Joardar	National	DST	05 December 2019	28 February 2023	3,500,000	DMS	Ongoing
143	Inspire Faculty Award	Dr. Sayan Bagchi	National	DST	22 December 2016	21 December 2022	5,900,000	DMS	Ongoing
144	Control and Inverse Problems for the Compressible Navier-Stokes Equations?	Dr. Shirshendu Chowdhury	National	SERB	18 February 2022	17 February 2025	660,000	DMS	Ongoing
145	Some nonparametric methods for discretely observed functional data?	Dr. Anirvan Chakraborty	National	SERB	18 February 2022	17 February 2025	660,000	DMS	Ongoing
146	FIST PROGRAM	DMS, Head	National	DST	05 June 2020	04 June 2025	4,400,000	DMS	Ongoing