

## List of Ongoing Project/Scheme since Inception

Sl.No.	Title of the Project	Principal Investigator	Agency Type	Sponsoring Agency	Project Start Date	Project Closed Date	Sanctioned Amount	Dept.	Remarks
1	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	Not Mentioned	716,836	DES	Ongoing
2	Structural basis of allosteric regulation of zeta chain-associated protein kinase ZAP-70 in T-cell signaling (Ramalingamswami Fellowship)	Dr. Rahul Das	National	DBT	25 May 2016	30 October 2021	3,250,000	DBS	Ongoing
3	Inspire Faculty Award	Dr. Rajib Dutta	National	SERB	23 September 2016	22 September 2021	3,500,000	DMS	Ongoing
4	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 January 2022	104,565,000	DBS	Ongoing
5	Novel regulatory mechanisms of human cooper transporters ATP7B and CTR1	Dr. Arnab Gupta	National	WT-DBT	01 May 2017	30 April 2022	35,020,260	DBS	Ongoing
6	Rational development of regioselective difunctionalizations of arenes using carboxylates as deciduous groups.	Prof. Debasis Koley	National	DST(International Bilateral Cooperation Division)	30 October 2017	31 October 2021	3,049,000	DCS	Ongoing
7	Understanding the Role of Regulatory particle non-ATPase 3 (Rpn3) in Collective cell migration: in vivo studies using border cells in Drosophila	Dr. Mohit Prasad	National	DBT	03 January 2018	26 June 2022	4,424,000	DBS	Ongoing
8	J C Bose Fellowship	Prof. Sourav Pal	National	DST	12 October 2017	21 July 2023	6,319,996	DCS	Ongoing
9	Development of a smartphone app for low cost in-field monitoring of water quality via colour and turbidity analysis	Prof. Subhajit Bandyopadhyay	National	MHRD	22 January 2018	21 January 2022	3,484,800	DCS	Ongoing
10	Assessment on niche specific oxygenic photoautotrophic organisms for evaluation of Bhagirathi-Hooghly river basin water quality: a biotic index based management proposal	Prof. Punyasloke Bhadury	National	DST	31 January 2018	02 November 2021	4,303,800	DBS	Ongoing
11	Late Quaternary Geomorphic Evaluation of alluvial fans in Himalayas: Implication to past climate reconstruction and Tectonic activity	Dr. Manoj Kumar Jaiswal	National	ISRO	29 September 2018	28 September 2021	3,451,000	DES	Ongoing
12	Studies of Spin Orbit Interaction of Light in Optical Tweezers	Dr. Ayan Banerjee	National	SERB	06 August 2018	05 February 2022	4,097,500	DPS	Ongoing
13	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
14	Entanglement Dynamics and Quantum Information Processing in Spin Systems	Prof. Chiranjib Mitra	National	SERB	24 September 2018	23 September 2021	4,947,085	DPS	Ongoing
15	Study of Black hole thermodynamics in modified and quantum theories of gravity	Dr. Bhramar Chatterjee	National	DST	28 September 2018	27 September 2021	2,401,500	DPS	Ongoing
16	Stabilizing Sensitive Organic and Catalysts in Solid State by Crystal Engineering Approach	Prof. C. Malla Reddy	National	SERB	24 September 2018	23 September 2021	4,290,000	DCS	Ongoing
17	Inspire Faculty Award	Dr. Soumya Bhattacharyya	National	DST	04 October 2017	03 October 2022	8,627,428	DMS	Ongoing
18	Molecular characterization of leishmania major bicarbonate transporter and studying its role in parasite physiology	Dr. Rupak Datta	National	SERB	11 October 2018	10 October 2021	2,690,000	DBS	Ongoing

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19	The Role of polarization observables at LHC/ILC and search for exotic long-lived colored scalars at LHC	Dr. Ritesh Kumar Singh	National	SERB	26 October 2018	25 October 2021	2,459,600	DPS	Ongoing
20	Bulk Synthesis & discovery of COF material with remarkable chemical stability for Methane Storage	Dr. Rahul Banerjee	National	GAIL	26 October 2018	31 March 2021	11,800,000	DCS	Ongoing
21	Development of Fe-Complex for catalytic C-H Bond Hydroxylation in Natural products using only O <sub>2</sub> as the oxidant	Dr. Sayam Sen Gupta	National	SERB	03 November 2018	02 November 2021	4,070,000	DCS	Ongoing
22	Dissipative Microphases Regulated by Emergence of Catalytic Behaviour in Supramolecular Peptide Assemblies	Dr. Dibyendu Das	National	SERB	10 December 2018	09 December 2021	4,906,704	DCS	Ongoing
23	Role of Connexin-47 in axon-myelin interaction during virus-induced demyelination of the central nervous system	Dr. Mahua Maulik	National	WT-DBT	01 January 2019	31 December 2023	17,018,602	DBS	Ongoing
24	Synthesis of the oligosaccharides related to the o-antigens from E. coli O74,O145 and O156 with scope for Further Glycol-cunjugates and vaccine designing	Prof. Balam Mukhopadhyay	National	SERB	19 December 2018	18 December 2021	3,734,500	DCS	Ongoing
25	Development of diverse lab-on-a-chip platform for plastic electronics, microcatalysis and biosensing applications using microlithography by directed self-assembly driven by laser induced microbubbles	Dr. Ayan Banerjee	National	SERB	15 January 2019	14 January 2022	10,061,704	DPS	Ongoing
26	Inspire Faculty Award	Dr. Md Ali Zinna	National	DST	17 January 2017	16 January 2022	8,594,390	DMS	Ongoing
27	Light driven switching of acidity and control of catalytic activity	Prof. Subhajit Bandyopadhyay	National	SERB	16 January 2019	15 January 2022	4,466,704	DCS	Ongoing
28	Decision making in the context of relocation in an Indian ant: Small brains and big feats?	Dr. Sumana Annagiri	National	SERB	19 December 2018	18 December 2021	4,387,800	DBS	Ongoing
29	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	27 January 2022	23,016,800	DES	Ongoing
30	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	24 October 2021	1,234,000	CCES	Ongoing
31	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	Not Metioned	1,550,000	CCES	Ongoing
32	Increasing Resilience to Earthquake in North India	Prof. Supriyo Mitra	International	The Royal Society UK	01 December 2018	30 November 2021	5,674,180	CCES	Ongoing
33	Roll-to-roll printed electronic labels for temperature, humidity and tampering detections	Dr. Debansu Chaudhuri	International	Indo-German	15 March 2019	14 March 2022	16,060,320	DCS	Ongoing
34	Renewable and Sustainable Energy Storage and Production: Conversion of CO <sub>2</sub> into Formic Acid and Methanol Using Non-Precious Transition Metal Catalysed Hydrogenation	Prof. Sourav Pal	National	SERB	26 March 2019	25 March 2022	23,239,600	DCS	Ongoing
35	Studies on method to slow down the excited state dynamics of metal nanoclusters to enhance fluorescence quantum yield	Prof. Pradipta Purkayastha	National	SERB	30 March 2019	29 March 2022	2,918,695	DCS	Ongoing
36	Life -history constraints in grassland plant species of the Eastern Terai in India: are trade-offs associated with competition, growth and defense important for community Structure?	Dr. Robert Jhon Chandran	National	SERB	30 March 2019	29 March 2022	3,560,577	DBS	Ongoing

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37	The nature of biotic interaction and community structure of marine molluscs as a response to regional environmental triggers in a tropical island ecosystem	Dr. Devapriya chattopadhyay	National	SERB	19 March 2019	18 March 2022	4,050,400	DES	Ongoing
38	Quantum Information Technologies with Photonic Devices	Prof. Prasanta Panigrahi	National	DST	24 April 2019	23 April 2022	14,474,000	DPS	Ongoing
39	Thiophene-based conjugated porous polymer thin films	Prof. Sanjio S. Zade	National	SERB	16 May 2019	15 May 2022	3,084,450	DCS	Ongoing
40	Cipla Consultancy	Prof. C. Malla Reddy	National	CIPLA	24 June 2019	23 June 2020	1,500,000	DCS	Ongoing
41	Porous Covalent Organic frameworks with Exceptional Chemical Stability for CO <sub>2</sub> Capture	Dr. Rahul Banerjee	National	Tata Steel	09 October 2019	31 March 2022	750,000	DCS	Ongoing
42	Transition metal Mimicking catalysis through small molecular activation	Prof. Swadhin K. Mandal	National	SERB	30 March 2019	29 March 2022	7,905,000	DCS	Ongoing
43	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
44	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
45	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
46	Information theoretic measures and complexity under free and confinement situations within DFT: some model and many electron system	Dr. Amlan Kusum Roy	National	BRNS DAE	11 July 2019	10 July 2022	1,787,850	DCS	Ongoing
47	Engineering nature inspired peptide based nanomedicine for blood clotting and wound healing	Dr. Rituparna Sinha Roy	National	DBT	27 March 2019	26 March 2022	10,610,160	CCES	Ongoing
48	Vortex Lattice in Strongly Correlated unconventional superconductors	Prof. Amit Ghosal	National	SPARC	13 June 2019	Not Metioned	4,913,108	DPS	Ongoing
49	Silicon Valley Community Foundation	Prof. Sourav Pal	International	Silicon Valley Community Foundation	03 July 2019	02 July 2022	680,506	DCS	Ongoing
50	Activation of Molecular Hydrogen and Its Catalytic Transfer Using main Group Based Compounds	Prof. Swadhin K. Mandal	National	SERB	19 September 2018	18 September 2021	4,290,000	DCS	Ongoing
51	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
52	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
53	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
54	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
55	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

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56	Hierarchical Porous Covalent Organic Nanosheets and Nanosheets Based Hybrid Membranes for Carbon Capture and Separation of CO <sub>2</sub>	Dr. Rahul Banerjee	National	DST	15 October 2019	14 October 2022	5,632,000	DCS	Ongoing
57	Ramanujan Fellowship	Dr. Debabrata Mukherjee	National	SERB	01 March 2018	29 February 2024	3,800,000	DCS	Ongoing
58	Genome-enabled environmental genomics and expression profiling of marine diatoms in a high CO <sub>2</sub> World "Swarnajayanti Fellowship"	Prof. Punyasloke Bhadury	National	DST	15 October 2019	14 October 2024	17,449,480	CCES	Ongoing
59	Molecular calcium hydrides supported by indenyl and fluorenyl ligands with a pendant N-heterocyclic donor for the olefin hydrogenation catalysis	Dr. Debabrata Mukherjee	National	SERB	01 November 2019	31 October 2021	2,981,000	DCS	Ongoing
60	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
61	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
62	Chemical speciation and airway deposition modeling of bulk and size-segregated aerosols in residential microenvironments from three northeast Indian states: implications for human exposure	Dr. Sayanatan Sarkar	National	SERB	15 November 2019	14 November 2021	2,932,560	DES	Ongoing
63	Tracing the impact of Late Cenozoic climatic transitions on the erosion rates of Himalaya	Dr. Sanjay Kumar Mandal	National	SERB	20 November 2019	19 November 2021	2,959,280	DES	Ongoing
64	Theoretical biophysics of molecular competition in gene expressions	Dr. Dipjyoti Das	National	SERB	22 November 2019	21 November 2021	2,895,816	DBS	Ongoing
65	Identification of novel interacting partners of Bromodomain and PHD Finger (BRPF) proteins and investigating their role in various types of cancer	Dr. Babu Sudhamalla	National	SERB	28 November 2019	27 November 2021	3,278,000	DBS	Ongoing
66	Unravelling the role of LIGHT-RESPONSEBRIC-A BRACK/TRAMTRACK/ BROAD (LRB) E3 ubiquitin ligases in temperature-mediated regulation of growth and reproduction in Arabidopsis thaliana	Dr. Sreeramaiah N. Gangappa	National	SERB	20 November 2019	19 November 2021	2,737,366	DBS	Ongoing
67	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
68	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
69	Design of appropriate DFT method to mimic pressure effect on atoms and molecules confined in various environment	Dr. Amlan Kusum Roy	National	SERB	06 February 2020	05 February 2023	3,505,390	DCS	Ongoing
70	Unravelling the role of Phytochrome B in temperature-mediated regulation of growth and defense responses in Rice (Oryza sativa L.)	Dr. Sreeramaiah N. Gangappa	National	MHRD-STARS	10 June 2020	09 June 2023	4,992,000	DBS	Ongoing

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71	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
72	Catalytic Reduction of CO <sub>2</sub> 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
73	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
74	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	CAFAM	Ongoing
75	Investigation of autophagosome-lysosome fusion defect in a Drosophila 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
76	Investigating the role of anti-inflammatory drugs on migrating border cell in Drosophila oogenesis: an excellent model for studying tumor metastasis	Dr. Mohit Prasad	National	MHRD-STARS	24 February 2020	23 February 2023	4,991,000	DBS	Ongoing
77	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
78	Inspire Faculty Award	Dr. Soumalya Joardar	National	DST	05 December 2019	28 February 2022	3,500,000	DMS	Ongoing
79	Determination of Reducing Submodules of Hilbert Modules with $S_n$ -invariant Kernels	Dr. Subrata Shyam Roy	National	SERB	22 March 2019	21 March 2022	660,000	DMS	Ongoing
80	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
81	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
82	Topological insulators and superconductors	Dr. Sourin Das	National	SERB	19 February 2020	18 February 2023	660,000	DPS	Ongoing
83	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
84	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
85	Dynamical signatures of transcriptional noise sources	Dr. Anandamohan Ghosh	National	SERB	21 February 2020	20 February 2023	660,000	DPS	Ongoing
86	Information entropy in free and confined non-central potentials	Dr. Amlan Kusum Roy	National	SERB	19 February 2020	18 February 2023	660,000	DCS	Ongoing
87	Seismic Imaging using Inversion Modeling	Dr. Kajaljyoti Borah	National	SERB	10 February 2020	09 February 2023	660,000	DES	Ongoing
88	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
89	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	CAFAM	Ongoing
90	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
91	A Structural Topology-based Electrostatic Model (Stem) of RNA to investigate functional conformational changes of bacterial and viral RNAs	Dr. Susmita Roy	National	DBT	06 March 2020	05 March 2023	6,043,360	DCS	Ongoing

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92	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
93	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
94	Development of highly Effective & Non-Toxic Catalysts for hydrosilylation toward Industrial application background	Prof. Swadhin K. Mandal	National	Wacker Metroark	07 July 2020	06 July 2022	5,965,000	DCS	Ongoing
95	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
96	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 January 2022	4,472,049	DBS	Ongoing
97	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
98	Machine Learning Based Assesment of the Solar Forcing of Space Environment	Prof. Dibyendu Nandi	National	SPARC	04 November 2020	03 November 2022	6,766,770	CESSI	Ongoing
99	Heavy Metal Cycling in Mangrove forests and their Potential as a Bio- remediation solution for metal polution in coastal regions (West Bengal India)	Dr. Tarun Kumar Dalai	International	GCRF	01 January 2020	31 July 2021	1,614,720	DES	Ongoing
100	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
101	Chelated Ion' in RNA structure function	Dr. Susmita Roy	National	SERB	04 December 2020	03 December 2022	2,376,000	DCS	Ongoing
102	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
103	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
104	Total Syntheses of Architecturally Intriguing Indeno-Tetrahydropyridine Alkaloids	Prof. Alakesh Bisai	National	SERB	22 December 2020	21 December 2023	3,850,000	DCS	Ongoing
105	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
106	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
107	Sustained Autonomy in Out of Equilibrium Supramolecular materials (Swarjayanti Fellowship)	Dr. Dibyendu Das	National	SERB	19 December 2020	18 December 2025	37,596,800	DCS	Ongoing
108	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
109	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
110	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
111	Immiscible Bimetallic Nanostructures as Multifunctional Electrocatalysts	Prof. Sayan Bhattacharyya	National	SERB	22 December 2020	21 December 2023	7,059,888	DCS	Ongoing
112	J C Bose Fellowship	Prof. Amitava Das	National	SERB	1 January 2020	14 March 2023	5,050,000	DPS	Ongoing
113	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

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114	Swarjayanti Fellowship	Dr. Dibyendu Das	National	DST	09 December 2020	08 December 2025	2,500,000	DCS	Ongoing
115	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
116	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 April 2022	3,400,000	DBS	Ongoing
117	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
118	Enveda Biosciences-IISERK Wilson Disease	Dr. Arnab Gupta	International	Enveda Biosciences	01 March 2021	28 February 2022	2,113,000	DBS	Ongoing
119	Engineering mechanistically rational peptide based immunocombination 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
120	Determination of circulating microRNA signatures of common respiratory diseases: A pilot study	Dr. Partho Sarothi Ray	National	WB-DSTB	19 March 2021	18 March 2022	1,254,400	DBS	Ongoing
121	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	03 April 2021	02 April 2024	3,592,800	DBS	Ongoing
122	Quantum Sensing for Diatomic molecules	Prof. Prasanta Panigrahi	National	DRDO	09 June 2021	08 June 2022	959,260	DPS	Ongoing
123	Development of Synthetic Methodologies by Photoredox catalysis based on Non-covalent Interactions and Cooperative Catalysis	Dr. Suman De Sarkar	National	CSIR	01 April 2021	31 March 2024	3,242,000	DCS	Ongoing
124	Development of Homogeneous manganese Catalysts: Application in Hydrogenations, Carbon-Carbon and Carbon-Heteroatom Bond Formations, Asymmetric Transformations	Dr. Biplab Maji	National	CSIR	01 April 2021	31 March 2024	1,850,000	DCS	Ongoing
125	Enantioselective arrays of binding pockets in cross $\beta$ amyloid assemblies	Dr. Dibyendu Das	National	CSIR	01 April 2021	31 March 2024	1,800,000	DCS	Ongoing
126	Total Synthesis of Naturally Occurring Meroterpenoids of Biological Relevance	Prof. Alakesh Bisai	National	CSIR	01 April 2021	31 March 2024	1,500,000	DCS	Ongoing
127	Development of Foldamer Based Organic Phosphorescent Materials	Prof. Debasish Haldar	National	CSIR	01 April 2021	31 March 2024	1,490,000	DCS	Ongoing
128	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
129	Understanding the impact of diet on insect physiology, innate immunity and trophic interactions	Dr. Radhika Venkatesan	National	SERB	30 June 2021	29 June 2024	5,314,980	DBS	Ongoing
130	Development of Self-Supported Electrode for Large Scale Electrochemical Hydrogen Generation	Prof. Sayan Bhattacharyya	National	GAIL	12 August 2021	11 August 2023	11,800,000	DCS	Ongoing
131	Understanding the anti-viral role of Ifit2 against murine $\beta$ -Coronavirus infection	Prof. Jayasri Das Sarma	National	SERB	09 August 2021	09 August 2024	5,739,888	DBS	Ongoing
132	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
133	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
134	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 April 2022	3,400,000	DBS	Ongoing

## List of Ongoing Project/Scheme since Inception

Sl.No.	Title of the Project	Principal Investigator	Agency Type	Sponsoring Agency	Project Start Date	Project Closed Date	Sanctioned Amount	Dept.	Remarks
135	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
136	Enveda Biosciences-IISERK Wilson Disease	Dr. Arnab Gupta	International	Enveda Biosciences	01 March 2021	31 March 2023	2,113,000	DBS	Ongoing
137	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
138	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	03 April 2021	02 April 2024	3,592,800	DBS	Ongoing
139	Development of Synthetic Methodologies by Photoredox catalysis based on Non-covalent Intractions and Cooperative Catalysis	Dr. Suman De Sarkar	National	CSIR	01 April 2021	31 March 2024	3,242,000	DCS	Ongoing
140	Development of Homogeneous manganese Catalysts: Application in Hydrogenations, Carbon-Carbon and Carbon-Hetroatom Bond Formations, Ansasynnetric Transformations	Dr. Biplab Maji	National	CSIR	01 April 2021	31 March 2024	1,850,000	DCS	Ongoing
141	Enantioselective arrays of binding pockets in cross $\beta$ amyloid assemblies	Dr. Dibyendu Das	National	CSIR	01 April 2021	31 March 2024	1,800,000	DCS	Ongoing
142	Total Synthesis of Naturally Occurring Meroterpenoids of Biological Relevance	Prof. Alakesh Bisai	National	CSIR	01 April 2021	31 March 2024	1,500,000	DCS	Ongoing
143	Development of Foldamer Based Organic Phosphorescent Materials	Prof. Debasish Haldar	National	CSIR	01 April 2021	31 March 2024	1,490,000	DCS	Ongoing
144	Understanding Yhe Catchemnt Hydrology of eastern Himalayan River: Astable isotopic approach	Prof. Prasanta Sanyal	National	BRNS -DAE	09 July 2021	08 July 2024	2,485,100	DES	Ongoing
145	Understanding the impact of diet on insect physiology, innate immunity and trophic interactions	Dr. Radhika Venkatesan	National	SERB	30 June 2021	29 June 2024	5,314,980	DBS	Ongoing
146	Development of Self-Supported Electrode for Large Scale Electrochemical Hydrogen Generation	Prof. Sayan Bhattacharyya	National	GAIL	12 August 2021	11 August 2023	11,800,000	DCS	Ongoing
147	Understanding the anti-viral role of Ifit2 against murine $\beta$ -Coronavirus infection	Prof. Jayasri Das Sarma	National	SERB	09 August 2021	09 August 2024	5,739,888	DBS	Ongoing
148	Nature vs Nature: Exploring Behavioural Sydromes in free ranging Dogs	Dr. Anindita Bhadra	National	DBT	25 August 2021	24 August 2026	2,600,000	DBS	Ongoing
149	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
150	JC Bose Fellowship	Prof. Soumitra Banerjee	National	DST	01 February 2021	31 October 2025	9,025,000	DPS	Ongoing
151	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
152	Assessing the immuno-therapeutic potential of type III interferons-IFNs ( IFN- $\lambda$ ) 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
153	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
154	SYTHESIS STABILIZATION OF LOW- COORDINATE PHOSPHINIDENES: TOWARDS CATALYTIC APPLICATIONS	Prof. Swadhin K. Mandal	National	CSIR	01 August 2021	31 July 2024	2,333,333	DCS	Ongoing



## List of Ongoing Project/Scheme since Inception

Sl.No.	Title of the Project	Principal Investigator	Agency Type	Sponsoring Agency	Project Start Date	Project Closed Date	Sanctioned Amount	Dept.	Remarks
155	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
156	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
157	Bench Scale Study of COF for CO <sub>2</sub> Capture and Storage	Dr. Rahul Banerjee	National	Tata Steel	01 April 2021	31 March 2023	1,200,000	DCS	Ongoing
158									
159	Polyisobutylene Based Polymeric Architectures by Tandem Living Polymerizations	Prof. Priyadarsi De	National	SERB	01 December 2021	30 November 2024	6,237,000	DCS	Ongoing
160	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
161	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
162	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
163	visible-light distal trifluoromethyl (thiol)ation of C (sp <sup>3</sup> )-H Bonds	Dr. Sureshkumar Devarajulu	National	SERB	03 December 2021	02 December 2024	3,330,283	DCS	Ongoing
164	Co-creating Sustainable Agri-Water Use in the Hindon sub-basin –A Multi Scale Participatory Approach	Prof. Prasanta Sanyal	National	DST-NWO	07 February 2022	06 February 2027	26,136,385	CCES	Ongoing
165	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
166	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
167	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
168	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
169	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
170	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
171	Understanding the trafficking regulation of human Copper ATPases	Dr. Arnab Gupta	National	SERB	21 January 2022	20 January 2025	4,183,080	DBS	Ongoing
172	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
173	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	30 April 2023	3,500,000	DCS	Ongoing
174	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

## List of Ongoing Project/Scheme since Inception

Sl.No.	Title of the Project	Principal Investigator	Agency Type	Sponsoring Agency	Project Start Date	Project Closed Date	Sanctioned Amount	Dept.	Remarks
175	Flexible Transparent Poymeric Sheet for Underwater Stealth Applications	Prof. Priyadarsi De	National	DRDO	27 January 2022	26 July 2023	979,000	DCS	Ongoing
176	Stereoselective cationic (co)polymerization of sutiable polar and non polar monoments and teir kinetic studies	Prof. Priyadarsi De	International	ExxonMobil Chemical Company	21 February 2022	20 August 2023	3,355,040	DCS	Ongoing
177	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
178	Holographic Geometry of Quantum Matter	Dr. Siddhartha Lal	National	SERB	23 February 2022	22 February 2025	660,000	DPS	Ongoing
179	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
180	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
181	Some nonparametric methods for discretely observed functional data?	Dr. Anirvan Chakraborty	National	SERB	18 February 2022	17 February 2025	660,000	DMS	Ongoing
182	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
183	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
184	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
185	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
186	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
187	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	21 June 2025	3,534,696	DES	Ongoing
188	Analysis of genetic variants of human hemoglobin and its effect on the assessment of glycated hemoglobin	Dr. Amit Kumar Mandal	National	ICMR	02 August 2022	01 August 2023	2,704,780	DBS	Ongoing
189	Quantum Simulations of Flat band Moire Superlattices	Dr. Bheemalingam Chittari	National	SERB	07 October 2022	06 October 2024	2,860,000	DPS	Ongoing
190	Charge Density wave state in correlated quantum matter : Frustration and lattic coupling	Prof. Amit Amal Ghosal	International	CEFIPRA	17 August 2022	16 August 2025	7,854,995	DPS	Ongoing
191	Providing Computational results of multireference calculation on photoredox/transitional matal dual Catalysis	Prof. Debasis Koley	International	King Abdullah University of Science and Technology	18 August 2022	17 August 2024	1,093,722	DCS	Ongoing
192	Development of Reagentless Oxidative [4+2]-Cycloaddition of Quinols: Total Syntheses of Naturally Occurring Bioactive Taiwaniadducts	Prof. Alakesh Bisai	National	SERB	04 November 2022	03 November 2025	6,160,000	DCS	Ongoing
193	FRET-Based Optical Response and Sensing by Molecular Rotor Components in Soil and Water Samples	Prof. Amitava Das	National	DRDO	20 October 2022	19 October 2025	4,322,000	DCS	Ongoing
194	Study the risk of Arsenic contamination in the food chain and methods of risk reduction in our project iplementation areas of west bengal, India	Prof. Punyasloke Bhadury	National	Bandhan-Konnagar	01 September 2022	28 February 2023	990,000	CCES	Ongoing

## List of Ongoing Project/Scheme since Inception

Sl.No.	Title of the Project	Principal Investigator	Agency Type	Sponsoring Agency	Project Start Date	Project Closed Date	Sanctioned Amount	Dept.	Remarks
195	understanding the coupled dynamics of host-influenza interaction and cytokine response by combining mathematical modeling with experiments	Dr. Dipjyoti Das	International	SIRE	12 November 2022	12 May 2023	1,702,816	DBS	Ongoing
196	Inspire Faculty Award	Dr. Arjun Pal	National	DST	19 July 2021	18 July 2026	3,500,000	DMS	Ongoing
197	Evaluation of a novel microbial consortia for effective management of fecal coliform and biological oxygen demand (BOD) levels in septic tank and sewage treatment plant (STP)	Prof. Punyasloke Bhadury	National	WBPCB	20 December 2022	19 March 2023	668,000	CCES	Ongoing
198	Vigyan Pratibha Program	Dr. Anindita Bhadra	National	TIFR HBCSE	11 November 2022	10 November 2026	1,565,000	DBS	Ongoing
199	Design and Development of 2D Layered Materials-based Catalysts for Light-Mediated CO <sub>2</sub> Fixation	Dr. Venkataramanan Mahalingam	National	SERB	26 December 2022	25 December 2025	5,797,000	DCS	Ongoing
200	FRET/FLIM-FRET technique to investigate the role of hydrophobic and hydrophilic gold nanoclusters in modulating vesicle fusion and determination of the thickness of lipid bilayer	Prof. Pradipta Purkayastha	National	SERB	26 December 2022	25 December 2025	6,713,696	DCS	Ongoing
201	Chemical Synthesis of the Oligosaccharides Related to the Capsular Polysaccharides from Acinetobacter baumannii Strains for Potential Vaccine Development	Prof. Balam Mukhopadhyay	National	SERB	26 December 2022	25 December 2025	6,179,888	DCS	Ongoing
202	Catalytic Activation and Functionalization of Sulfur Dioxide (SO <sub>2</sub> ) and Nitrous Oxide (N <sub>2</sub> O) using Reactive Main-group Compounds	Prof. Swadhin K. Mandal	National	SERB	26 December 2022	25 December 2025	6,064,696	DCS	Ongoing
203	Taking nutrition-sensitive carp-SIS polyculture technology to scale	Prof. Punyasloke Bhadury	International	WORLD FISH	06 October 2022	05 October 2025	1,680,572	CCES	Ongoing
204	Design and Synthesis of Membrane Fusion Inhibitors to Develop Antiviral Compounds	Dr. Pradip Kumar Tarafdar	National	SERB	27 December 2022	26 December 2025	3,652,000	DCS	Ongoing
205	Light-driven reversible modulation of electrical conductance with organic photochromic materials	Dr. Subhajit Bandyopadhyay	National	SERB	10 January 2023	09 January 2026	6,229,696	DCS	Ongoing
206	Classification of graph C*-algebras as S <sup>1</sup> principal bundles	Dr. Soumalya Joardar	National	SERB	09 January 2023	08 January 2026	660,000	DMS	Ongoing
207	Monitoring Biodiversity and Ecosystem Services for Ecosystem Enhancement under the green India Mission : Phase-2	Dr. Robert John Chandran	National	MPSBB	11 January 2023	10 May 2024	6,471,000	DBS	Ongoing
208	Development of Selective Fluorination Strategies via Visible-Light-Photoredox Catalysis and Electrocatalysis Towards Late-Stage Diversifications of Drug Molecules	Dr. Biplab Maji	National	SERB	12 January 2023	11 January 2026	6,267,888	DCS	Ongoing
209	Orbit spaces of Unimodular rows over smooth affine algebras and Efficient generation of ideals	Dr. Md. Ali Zinna	National	SERB	12 January 2023	11 January 2026	660,000	DMS	Ongoing
210	Promiscuous Catalytic Repertoire of Cross $\beta$ Amyloids as Designer Enzymes	Dr. Dibyendu Das	National	SERB	12 January 2023	11 January 2026	6,592,380	DCS	Ongoing
211	Next generation porous conducting polymers/frameworks for efficient reverse electrochemical desalination	Prof. Rahul Banerjee	International	Khalifa University	06 January 2023	05 January 2026	4,097,046	DCS	Ongoing
212	Anderson localization in interaction driven correlated metals: Role of the multifractality of electronic wavefunctions	Prof. Amit Amal Ghosal	National	SERB	18 January 2023	17 January 2026	660,000	DPS	Ongoing
213	Approximation of biholomorphic maps and the Loewner theory in several complex variables	Dr. Sushil Gorai	National	SERB	23 January 2023	22 January 2026	3,011,888	DMS	Ongoing
214	Upcycling of Commodity Polymers via Solvent-free Fe-mediated Catalytic Hydroxylation	Dr. Sayam Sen Gupta	National	SERB	31 January 2023	30 January 2026	5,744,400	DCS	Ongoing
215	Inspire Faculty Award	Dr. M Annadhasan	National	DST	28 September 2022	27 September 2027	11,336,000	DCS	Ongoing

### List of Ongoing Project/Scheme since Inception

Sl.No.	Title of the Project	Principal Investigator	Agency Type	Sponsoring Agency	Project Start Date	Project Closed Date	Sanctioned Amount	Dept.	Remarks
216	Inspire Faculty Award	Dr. Soumyarup Banerjee	National	DST	16 August 2022	15 August 2027	11,240,000	DMS	Ongoing
217	Ultrafast and polarization-resolved optical study of the carrier, spin, and valley dynamics in two-dimensional layered materials and van der Waals heterostructures	Prof. Bipul Pal	National	SERB	13 February 2023	12 February 2026	4,202,000	DPS	Ongoing
218	Synthesis of Viscosity Modifiers	Prof. Raja Shunmugam	National	Unilever	01 December 2022	31 March 2024	3,600,000	DCS	Ongoing
219	Extended one-generation reproductive toxicity study by Immunophenotyping of splenic lymphocyte subpopulation	Dr. Rahul Das	National	Krish Biotech	31 January 2023	30 March 2023	445,108	DBS	Ongoing
220	Understanding the Molecular basis of wilson disease pathology	Dr. Arnab Gupta	National	ICMR	16 February 2023	15 February 2026	3,290,000	DBS	Ongoing
221	Application of water Isotopes in Disentangling the Impact of of Macroscale Climatic Controls and Microscale Hydrological Process in ground water-wetland Ecosystems form the Lower Ganga-Brahmaputra Basin, Indo- Bangladesh Peninsula	Prof. Prasanta Sanyal	International	IAEA (International Atomic Energy Agency)	20 September 2022	19 February 2026	1,337,367	DES	Ongoing
222	Using Machine learning to understand the impacts of water quality and habit disturbances on fish community structure and patterns in lower East_himalayan strams of India and in La Moselle straem in france	Dr. Anuradha Bhat	International	CEFIPRA	23 January 2023	22 January 2026	4,153,874	DBS	Ongoing
223	Biocompatible PolymericNanocarries for Theranostic Cancer Drug Delivery	Dr. Raja Shunmugam	National	DBT	13 March 2023	12 March 2026	8,336,440	DCS	Ongoing
224	Micro-Mat: Light- and Bio-Sensitive Soft Micro-Materials	Dr. Supratim Banerjee	International	CEFIPRA	17 August 2022	16 August 2025	5,233,318	DCS	Ongoing
225	Emulating neuromorphie synapse via resistive state switching in Non-equilibrium Asdsemblies of Amyloid Peptides	Dr. Dibyendu Das	National	DBT	10 March 2023	09 March 2026	6,172,800	DCS	Ongoing
226	In Situ Bioremediation approach at Two Drains Leading to Noai Khal (Falling on the River Bidydhari) and Khardah Khal (falling on the river Hooghly) Respectively for Effective Removal of Pollutants in Domestic Sewage.	Prof. Punyasloke Bhadury	National	WBPCB	02 January 2023	01 July 2023	21,10,000	CCES	Ongoing
227	WBPCB for sampling , analysis including providing manpower, necessary accessories and transportation	Prof. Punyasloke Bhadury	National	WBPCB	01 April 2022	31 March 2023	1,27,500	CCES	Ongoing
228	Prioritisation of Freshwater ecosystems	Prof. Punyasloke Bhadury	National	The Nature Conservancy India	02 February 2023	31 March 2024	16,00,000	CCES	Ongoing
229	Centre for Marine Therapeutics	Prof. Punyasloke Bhadury Dr. Rituparna Sinha Roy	National	NIPER Kolkata	31 March 2023	30 March 2028	57,22,000	CCES	Ongoing
230	Studies on stochastic micro-engines in complex fluids	Prof. Ayan Banerjee	National	SERB	31 May 2023	30 May 2026	4,985,241	DPS	Ongoing