

List of Completed/ Close Project/Scheme since Inception to Till Date as Per Records Available in R& D Section

SI No.	Title of the Project	Principal Investigator	Agency Type	Sponsoring Agency	Project Start Date	Project Closed Date	Sanctioned Amount	Dept.	Remarks
1	J.C. Bose Fellowship	Prof. Sushanta Dattagupta	National	DST	01 May 2007	01 July 2012	53,05,000	DPS	Close
2	Geodynamic Evolution of the Main Central Thrust Himalayas	Prof. Somnath Dasgupta	National	DST	27 June 2007	26 June 2010	11,64,000	DES	Close
3	Role of Phosphoinositides in intracellular proteing transport of Giandia Lambhia	Dr. Srimonti Sarkar	National	CSIR	01 February 2008	31 January 2011	15,50,000	DBS	Close
4	Synthesis of Galactoseheteoro Cycle (Indo-Swedish)	Prof. Balaram Mukhopadhyay	International	Lund University	01 January 2008		11,96,780	DCS	Close
5	Cyclic Oligomers and Cooligomers of Thiophene and Selenophene : New types of Electronic Materials	Prof. Sanjio S. Zade	National	DST	07 January 2008	06 January 2011	20,40,000	DCS	Close
6	Synthesis of Biologically active Resin Glycosides and evaluation of their anti cancer properties	Prof. Balaram Mukhopadhyay	National	DST	13 October 2006	12 October 2009	15,24,000	DCS	Close
7	New Podand Type Ligands : Their Ionic and Molecular recognition properties	Dr. Snigdha Panda	National	DST	11 March 2008	10 March 2011	18,60,000	DCS	Close
8	Physics Beyond Standard Model in Collider Experiments	Prof. Amitava Datta	National	DST	23 August 2005	22 August 2008	13,22,160	DPS	Close
9	Synthesis of Nanocomposite Materials for Application of High Performance Permanent Magnets	Dr. Ratnesh Gupta	National	DST	29 September 2008	31 May 2010	3,39,150	DPS	Close
10	J C Bose Fellowship	Prof. Somnath Dasgupta	National	DST	02-07-2007	01-07-2017	1,21,10,000	DES	Close
11	Physicochemical characterization of guest molecule induced cyclodextrin nanotubular suprastructures	Prof. Pradipta Purkayastha	National	CSIR	15 January 2009	14 January 2012	10,32,000	DCS	Close
12	Establishment of Electron Probe Micro analyzer (EPMA)-National Facility IIT, Kharagpur	Prof. Somnath Dasgupta	National	DST	14 August 2007	13 August 2010	4,80,000	DES	Close
13	Ramanujan Fellowship	Prof. Dibyendu Nandi	National	DST	01 August 2009	31 July 2014	74,06,667	DPS	Close
14	High Resolution Seismic Imaging of the Kumaon-Garhwal Himalaya using Ambient Ground Noise and Modelling the state of stress in crust	Dr. Shyam S. Rai	National	DST	24 August 2009	23 August 2012	19,93,200	DMS	Close
15	Onstochastic order relations with applications in Reliability	Prof. Asok K. Nanda	National	DST	20 September 2006	19 September 2009	7,45,000	DMS	Close
16	Direct Oligodendrocyte infection by Mouse Hepatitis Virus midiates demyelination	Prof. Jayasri Das Sarma	International	The Children's Hospital of Philadelphia Research Institute (CHOP)	01 November 2009	30 September 2013	11,20,380	DBS	Close
17	Turn on sensors for arsenic threats in drinking water	Prof. Raja Shunmugam	National	DST	24 November 2009	23 November 2012	13,50,000	DCS	Close
18	Arsenic biogeochemical cycling in groundwater aquifers of the Bengal Delta Plains (West Bengal, India): Early detection and remediation issues	Prof. Punyasloke Bhadury	International	Swedish Research Links Program	01 January 2010	31 December 2013	4,00,00,000	DBS	Close
19	Assessment of impact of climate change on Phytopankton community of sunderban Ecoregion	Prof. Punyasloke Bhadury	N-Const	WWF-India	Feb'10	June'11	3,37,150	DBS	Close
20	Synthesis of the oligosachharides related to the repeating units of the O-antigens from Shigella boydii Type-16 and Type-17 and futher vaccine designing	Prof. Balaram Mukhopadhyay	National	DST	04 January 2010	31 March 2013	22,65,000	DCS	Close
21	Chemical weathering of black shales : Implications for release of Co2 to the atmosphere and trace metals to the rivers	Dr. Tarun Kumar Dalai	National	DST	02 April 2009	01 April 2013	19,84,000	DES	Close
22	Pt-group metal complexes with substituted biopyridine : DNA-binding agents to sensing materials	Dr. Parna Gupta Bhattacharyya	National	DST	23 March 2010	22 March 2013	19,45,000	DCS	Close
23	Ramalingaswami Fellowship	Prof. Mohit Prasad	National	DBT	01 April 2010	31 March 2015	74,80,000	DBS	Close
24	A Diversity oriented synthetic approach toword functionalized thiazoles	Dr. Jyotirmayee Dash	National	DST	01-04-2010	31-03-2013	18,90,000	DCS	Close
25	Molecular recognition and self-assembly of chromophore based smart materials : A novel sensor	Dr. Debasish Halder	National	DST	13 April 2010	25 March 2013	19,86,000	DCS	Close
26	Crystal engineering of biotin (vitamin B7) co-crystals	Prof. C. Malla Reddy	National	DST	20 April 2010	19 April 2013	19,40,000	DCS	Close
27	Electrical conductivity measurements of silicate minerals and transition metal oxides at high pressures and temperatures and its implications	Dr. Goutam Dev Mukherjee	National	DST	21 April 2010	20 April 2013	28,81,000	DPS	Close
28	Behavioural Ecology of the Indian Stray Dog	Dr. Anindita Bhadra	National	CSIR	10 May 2010	31 March 2014	18,00,000	DBS	Close
29	Linear and nonlinear optical study of Er-doped ZnO nanocrystals and thinfilms	Dr. Bipul Pal	National	INSA	10 May 2010	31 March 2014	1,50,000	DPS	Close
30	Synthesis Hexasaccharide Repeating Unit of the O-Antigen from E. coil 035 and Tetrasaccharides related to the Capsular Polysaccharide Repeating Unit of Vibrio cholerae Serogroup O31 NRT36S	Prof. Balaram Mukhopadhyay	National	CSIR	14 July 2010	13 July 2013	10,00,000	DCS	Close
31	Ramanujan Fellowship	Prof. Raja Shunmugam	National	DST	14 July 2010	13 July 2015	76,45,000	DCS	Close
32	Design Synthesis and Structural Basis of G-quadruplex DNA Binding Small Molecules	Dr. Jyotirmayee Dash	National	CSIR	14-07-2010	13-07-2013	9,75,000	DCS	Close
33	Design and Synthesis of Green Catalysts for Hydromination Reactions	Prof. Swadhin K. Mandal	National	CSIR	23 July 2010	22 July 2013	13,76,752	DCS	Close
34	Computational study of diffusion in nanoporous media and in liquids	Dr. Pradip Kumar Ghorai	National	DST	26 July 2010	25 July 2013	18,55,000	DCS	Close
35	Understanding aggression and its correlates in the Indian feral dog Canis familiaris	Dr. Anindita Bhadra	National	INSA	01 August 2010	31 March 2014	1,50,000	DBS	Close
36	Meiobentic studies in three Olive Ridley turtle rookeries along the coast of Orissa	Prof. Punyasloke Bhadury	National	Wildlife Institute of India (WII)	18 August 2010	27 March 2014	12,23,500	DBS	Close

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37	Theoretical and computational study of opto-electronic and charge transport properties in quantum systems	Dr. Mousumi Das	National	DST	18 August 2010	17 August 2013	19,43,000	DCS	Close
38	Development of Cyclopenta [C] heterol-based Conjugated Systems for Dye-Sensitized Solar Cells (DSSCs)	Prof. Sanjio S. Zade	National	DST	18 October 2010	17 October 2013	31,29,600	DCS	Close
39	Ramanujan Fellowship	Dr. Siddhartha Lal	National	DST	20 October 2010	19 October 2015	81,75,000	DPS	Close
40	Lode gold mineralization in the Southern Granulite Terrain, Kerala : geochemical and petrological constraints on their genesis	Dr. Ravikant Vadlamani	National	DST	29 November 2010	31 March 2014	2,10,000	DES	Close
41	Fluorometric sensor for cadmium in drinking water	Prof. Raja Shunmugam	National	DST	04 January 2011	03 June 2013	46,06,400	DCS	Close
42	Metal complexes of nitrogen mustard derivatives as nucleases and anticancer agents	Prof. Arindam Mukherjee	National	DST	23 February 2011	22 February 2014	25,67,000	DCS	Close
43	Understanding the Cellular consequences of axonal loss and demyelination in viral infection using in vitro myelination System	Prof. Jayasri Das Sarma	National	CSIR	09 March 2011	31 October 2013	15,00,000	DBS	Close
44	Template-assisted synthetic methods to develop new luminescent nanoarchitectures and their applications	Prof. Venkataramanan Mahalingam	National	DST	09 March 2011	08 March 2014	36,80,000	DCS	Close
45	Survey of Marine turtles along the coast of West Bengal : Distribution status, Threats and management implications	Prof. Punyasloke Bhadury	N-Const	WWF-India	15 March 2011	14 July 2011	1,00,000	DBS	Close
46	Design and synthesis of amino acid based macromolecular architectures	Prof. Priyadarshi De	National	DST	18 March 2011	17 March 2014	41,47,000	DCS	Close
47	Consultancy work with GE Global Research, Bangalore	Prof. Nirmalya Ghosh	N-Const	GE Global Research, Bangalore			1,00,000	DPS	Close
48	A New Density Functional Method for Static and Dynamic Properties of many-electron systems in cartesian grid	Prof. Amlan Kusum Roy	National	CSIR	Feb'09		15,00,000	DCS	Close
49	Reconstruction of monsoonal rainfall from late quaternary Ganga and Yamuna alluvial plain by stable isotope tracers; implications to climate forcing on vegetation and river response (RMR)	Prof. Prasanta Sanyal	National	DST	24 June 2008	31 December 2011	17,49,000	DES	Close
50	Molecular interactions in the Post-transcriptional regulation of inflammatory gene expression (Wellcome Trust/DBT India Alliance Intermediate Fellowship)	Dr. Partho Sarothi Ray	National	WT DBT	01 May 2011	30 April 2017	3,38,57,714	DBS	Close
51	Sensing of Chemical Warfare Agents With Naobornene Based Polymers	Prof. Raja Shunmugam	National	DRDO	01 May 2011	30 April 2014	17,47,000	DCS	Close
52	Ramalingaswami Fellowship	Dr. Rituparna Sinha Roy	National	DBT	02 May 2011	09 October 2016	76,92,823	DBS	Close
53	Peptide Based Self-Assembled Systems as Delivery Vehicles and Controlled Release	Dr. Debasish Halder	National	CSIR	27 June 2011	26 June 2014	17,50,000	DCS	Close
54	Transition Metal Polynuclear Complexes of Multidentate N,O Donor and Redical Containing Ligands as Molecular Magnets	Prof. Arindam Mukherjee	National	CSIR	01 July 2011	30 June 2014	10,00,000	DCS	Close
55	Calcretes on Metamorphosed Rocks of the Precambrian Eastern Ghats Mobile Belt, Orissa: Genesis and Implications to Climate	Prof. Prasanta Sanyal	National	CSIR	06 July 2011	05 July 2014	18,00,000	DES	Close
56	Physical properties of elemental solids, their compounds and oxides, and mineral phases at extreme conditions of pressure and temperature: an experimental and theoretical study	Dr. Goutam Dev Mukherjee	National	MoES	13 July 2011	31 July 2018	6,14,27,200	NCHPS	Close
57	Studies on the mechanisms of the translational regulation of the cold shock response genes in human entero-pathogenic bacteria	Dr. Partha Pratim Datta	National	DBT	21 July 2011	20 July 2014	18,89,000	DBS	Close
58	The role of small-RNA pathways in plant defense against insect herbivores	Dr. Shree Prakash Pandey	National	Max Planck Partner Group in India	01 August 2011	18 December 2017	1,17,82,680	DBS	Close
59	Ramalingaswami Fellowship	Prof. Rupak Datta	National	DBT	12 August 2011	18 December 2016	77,00,000	DBS	Close
60	Green Synthesis of Novel Degradable Polyperoxides	Prof. Priyadarshi De	National	CSIR	30 August 2011	29 August 2014	13,00,000	DCS	Close
61	Energy Bioscience Overseas Fellowship	Prof. Supratim Datta	National	DBT	01 September 2011	31 August 2016	70,00,000	DBS	Close
62	Investigation of trace metal geochemistry anthropogenic inputs in the Ganga (Hooghly) River Estuary	Dr. Tarun Kumar Dalai	National	MoES	19 September 2011	31 March 2018	84,56,000	DES	Close
63	Contractors for Acquisition of Research Services (CARS)	Prof. Raja Shunmugam	National	DRDO	23 September 2011	22 September 2012	9,50,000	DCS	Close
64	Develop of High-strain zones in Rocks: Experimental and Theoretical Investigations	Prof. Nibir Mondal	National	DST	31 January 2004	31 October 2009	40,78,000	DES	Close
65	Development of photochromic molecules as molecular switches for potential application in logic devices with photonic inputs and outputs	Prof. Subhajit Bandyopadhyay	National	DST	07 October 2011	06 October 2014	30,90,000	DCS	Close
66	Understanding the mechanisms of viral induced Axonal loss and demyelination in an experimental animal model	Prof. Jayasri Das Sarma	National	DBT	12 October 2011	11 October 2014	46,13,024	DBS	Close
67	Role of formin in neurite initiation and synapse formation	Dr. Sankar Maiti	National	DBT	23 November 2011	22 November 2014	40,10,000	DBS	Close
68	Ramalingaswami Fellowship	Dr. Koel Das	National	DBT	06 December 2011	04 April 2017	74,50,000	DMS	Close
69	On development of thermo-resistant, high-stress and high-tensile strain resistant materials for safes	Prof. Soumyajit Roy	N-Const	Gunnebo India Private Limited	19 December 2011	18 December 2014	23,29,800	DCS	Close
70	Differential Recognition of G-Quadruplex DNA Binding Small Molecules Using Dynamic Combinatorial Chemistry	Dr. Jyotirmayee Dash	National	DBT	19-12-2011	18-12-2014	66,79,600	DCS	Close
71	Ramanujan Fellowship	Dr. Sutapa Bose	National	DST	22-Dec-11	07-Nov-17	81,75,000	DES	Close
72	Dynamics of water dissociation on metal surfaces and on nano-particles	Prof. Ashwani Kumar Tiwari	National	DST	29 December 2011	28 December 2014	13,45,000	DCS	Close

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73	Ru (II) /Os (II)-sugar complexes as pet biosensors of lectins and potential therapeutics	Dr. Parna Gupta Bhattacharyya	National	CSIR	06 February 2012	05 February 2015	11,20,000	DCS	Close
74	Functional Analysis and Regulation of Dishevelled in Planer Cell Polarity Pathway	Dr. Sankar Maiti	National	CSIR	14 February 2012	13 February 2015	15,50,000	DBS	Close
75	Seismic velocity structure of the north-western and north-eastern Himalaya and its implications for earthquake hazard assessment	Prof. Supriyo Mitra	International	UKIERI	01 March 2012	31 December 2014	21,30,000	DES	Close
76	Study of benthos of selected sites of coastal Konkan	Prof. Punyasloke Bhadury	National	Bombay Natural History Society (BNHS, India)	06 March 2012	07 March 2013	3,51,000	DBS	Close
77	Development of an unique animal model to understand the etiology of human central nervous system autoimmune disease multiple sclerosis (MS)	Prof. Jayasri Das Sarma	National	DBT	01 April 2012	31 March 2017	29,94,012	DBS	Close
78	Poly (Cyclopenta [c] Chalcogenophene) and Related Polymers : Synthesis and Applications in Bulk Heterojunction Organic Photovoltaic Devices	Prof. Sanjio S. Zade	National	DRDO	04 May 2012	03 May 2015	27,29,000	DCS	Close
79	Behaviour and Inter-Colony Dynamics in a Queenless Ant	Prof. Sumana Annagiri	National	DST	16 May 2012	15 May 2015	14,70,000	DBS	Close
80	Stable isotope tracing of Oligocene atmospheric pCo2 concentration from Himalayan foreland : implications to tectonics-climate connection	Dr. Melinda Kumar Bera	National	DST	16-05-2012	15-05-2015	5,40,000	DES	Close
81	Barcoding Southern Ocean nematodes : an integrated approach to test hypotheses of marine nematodes diversity	Prof. Punyasloke Bhadury	National	MoES	22 May 2012	21 May 2013	16,58,000	DBS	Close
82	Spectral and temporal fluorescence studies of red emitting dyes in tris (pentafluoroethyl) trifluorophosphate (FAP) anion containing Imidazolium room temperature ionic liquids	Prof. Prasun K. Mandal	National	SERB	22 May 2012	21 May 2015	24,95,000	DCS	Close
83	Selene and Telluro salen type ligands : Complexation with transition metals and study of the catalytic properties of the complexes	Dr. Snigdha Panda	National	SERB	23 May 2012	22 May 2015	26,80,000	DCS	Close
84	Study of electronic structure of strongly correlated systems by X-ray Emission Spectroscopy	Dr. Satyabrata Raj	National	SERB	25 May 2012	24 May 2015	24,24,000	DPS	Close
85	Time resolved nonlinear optical spectroscopy in transition-metal-doped ZnO nanoparticles and thinfilms	Dr. Bipul Pal	National	SERB	28 May 2012	27 May 2015	19,44,000	DPS	Close
86	To expand and differentiate pancreatic progenitor population from human bone marrow and Wharton's jelly derived mesenchymal stem cells and to compare their gene expression profile	Dr. Malancha Ta	National	DST	01 February 2010	31 January 2013	14,41,000	DBS	Close
87	Understanding The Mecanisms of important transition- metal catalyzed chemical transformations: A computational investigation	Prof. Debasis Koley	National	SERB	09 July 2012	08 July 2015	24,95,000	DCS	Close
88	Ramanujan Fellowship	Dr. Bidisha Sinha	National	DST	25 July 2012	25 July 2013	73,00,000	DBS	Close
89	Nanosystem based host-guest chemistry: Characterization using fluorescence spectroscopy	Prof. Pradipta Purkayastha	National	SERB	25 July 2012	24 July 2015	48,40,000	DCS	Close
90	Deciphering phytohormone signaling in modulation of resistance to spot blotch disease for identification of novel resistance components for WHEAT improvement	Dr. Shree Prakash Pandey	International	CIMMYT	01 August 2012	31 December 2017	2,06,66,500	DBS	Close
91	Oxometalate based 'Reactor-on-A-Glass -Slide' (RAG) using Colloid and 'Opto-Chemistry'	Prof. Soumyajit Roy	National	SERB	21 August 2012	20 August 2015	20,84,600	DCS	Close
92	Ramanujan Fellowship	Dr. Guha Dharmarajan	National	DST	30 August 2012	31 May 2016	84,10,000	DBS	Close
93	Taxonomy and Barcoding of marine nematodes	Prof. Punyasloke Bhadury	National	MoES	01 October 2012	30 September 2017	60,00,000	DBS	Close
94	Marine Faunal diversity along the West Bengal coast with special reference to Nematodes	Prof. Punyasloke Bhadury	National	MoES	01 October 2012	30 September 2017	79,50,000	DBS	Close
95	Polymer chains with inorganic nano objects	Prof. Priyadarshi De	National	DRDO	03 October 2012	02 October 2015	19,40,000	DCS	Close
96	Monitoring Harmful Algal Bloom(HAB) along the coasts of West Bengal	Prof. Punyasloke Bhadury	International	MoES	23 December 2014	22 December 2019	55,00,000	DBS	Close
97	Effective teaching practises in modern pale biology using museum and laboratory specimens	Dr. Devapriya Chattopadhyay	International	UKIERI	27 November 2012	31 August 2013	2,64,300	DES	Close
98	Carbohydrate Chemistry: Application in Foods	Prof. Balaram Mukhopadhyay	N-Const	Unilever	27 December 2012	26 December 2013	10,43,150	DCS	Close
99	Photophysical & Photochemical Studies of UV-Absorbing Molecules	Prof. Pradipta Purkayastha	N-Const	Unilever	27 December 2012	26 December 2013	10,43,150	DCS	Close
100	Photostable Photochromatic UV-Responsive Molecules	Prof. Subhajit Bandyopadhyay	N-Const	Unilever	27 December 2012	26 December 2013	10,43,150	DCS	Close
101	Engineering enzymes to overcome biomass recalcitrance. (RGYI)	Prof. Supratim Datta	National	DBT	11 January 2013	10 July 2016	50,60,000	DBS	Close
102	Probing the Phenomenon of Interaction between Lipids and Surfactants Fluorescence Spectroscopy	Prof. Pradipta Purkayastha	National	CSIR	15 January 2013	14 January 2016	16,50,000	DCS	Close
103	Magnetic and Mössbauer Spectroscopic Studies Exchange Biased Nanostructures	Prof. Sayan Bhattacharyya	National	CSIR	15 January 2013	14 January 2016	16,92,000	DCS	Close
104	Engineered Nature Inspired Hybrid Nanomedicine for Wound Healing	Dr. Rituparna Sinha Roy	National	CSIR	30 January 2013	29 January 2016	22,92,000	DBS	Close
105	Inspire Faculty Award	Dr. Argha Banerjee	National	DST	01 February 2013	13 January 2018	86,27,428	DES	Close
106	Inspire Faculty Award	Dr. Mithun Mukherjee	National	DST	01 February 2013	31 January 2018	86,27,428	DMS	Close
107	Development of Nano scale Conducting Polymers for Field Effect Transistor and Facility Set up at NPOL (CARS 2)	Prof. Raja Shunmugam	National	DRDO	04 February 2013	03 February 2014	9,60,000	DCS	Close
108	Invictus Oncology Private Limited	Prof. Swadhin K. Mandal	N-Const	Invictus Oncology	19 March 2013	18 March 2014	10,34,614	DCS	Close

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109	Response of molluscan community to climate variation: A case study from Miocene of Kutch	Dr. Devapriya Chattopadhyay	National	SERB	20 March 2013	19 September 2016	26,00,000	DES	Close
110	Dynamic Assembly of Soft-oxometalates using Optochemistry	Prof. Soumyajit Roy	National	BRNS DAE	25 March 2013	21 March 2016	13,35,175	DCS	Close
111	Consultancy on Inventorizing Benthic Faunal Assemblages in the Chilika Lagoon	Prof. Punyasloke Bhadury	N-Const	CDA-ICZMP	26 March 2013	25 March 2018	39,15,000	DBS	Close
112	Understanding the mechanisms of Non-Host Resistance (NHR) against rust and blast in rice and wheat	Dr. Shree Prakash Pandey	National	ICAR	01 April 2013	31 March 2016	80,19,080	DBS	Close
113	New Conjugated Polymers for Polymer Solar Cells	Prof. Sanjio S. Zade	National	CSIR	12 April 2013	11 April 2016	16,70,000	DCS	Close
114	Glycosidase Mimics using General Acid- Base Catalysis and Catalysis by Metal Complexes	Prof. Subhajit Bandyopadhyay	National	CSIR	17 April 2013	12 January 2016	9,40,000	DCS	Close
115	Development of Synthetic Routes to make Water Dispersible Upconverting Nanocrystals and their Applications	Prof. Venkataramanan Mahalingam	National	CSIR	17 April 2013	31 August 2016	23,92,000	DCS	Close
116	US Asian Office of Aerospace Research and Development	Prof. Dibyendu Nandi	International	US AOARD	2013	2014	15,95,069	CESSI	Close
117	Characterizing the Role of Pak3 Collective cell Movement using the Model of Border Cell Migration in Drosophila Ovary	Prof. Mohit Prasad	National	CSIR	01 June 2013	31 May 2016	15,00,000	DBS	Close
118	Visual influences on taste and understanding the neural mechanisms on cross-modal information integration (WOS-A)	Dr. Pei liang	National	DST	01 June 2013	31 May 2016	21,20,000	DPS	Close
119	Photonic and magnetic interactions of nanoparticles inside carbon nanotube channels	Prof. Sayan Bhattacharyya	National	SERB	17 June 2013	16 June 2016	40,74,600	DCS	Close
120	Neural correlates of cooperative decisions in humans	Dr. Koel Das	National	DST	01 July 2013	05 January 2017	48,27,128	DMS	Close
121	Abnormal N-heterocyclic carbene : Development of organometallic chemistry to design homogeneous catalysts	Prof. Swadhin K. Mandal	National	SERB	05 July 2013	04 July 2016	46,19,000	DCS	close
122	Development of graphene-polynorborene novel composite material for aircraft applications	Dr. Madhumita Mukherjee	National	SERB	09 July 2013	08 January 2017	29,35,162	DCS	Close
123	Investigation of Molecular Mechanism for Solute Dynamics in Aqueous Micellar and Reverse Micellar Solutions Containing Ionic Liquid	Dr. Pradip Kumar Ghorai	National	CSIR	09 July 2013	08 July 2016	13,14,000	DCS	Close
124	Understanding collective cell migration using the model of border cells in Drosophila oogenesis	Prof. Mohit Prasad	National	SERB	10 July 2013	09 January 2017	43,94,000	DBS	Close
125	Exploring novel concepts in spintronics with organic materials: Generation, detection and manipulation of pure spin currents using completely electrical scheme	Dr. Partha Mitra	National	SERB	11 July 2013	10 July 2016	23,00,000	DPS	Close
126	Functional Study of Drosophila B-glucuronidase for developing a fly model of mucopolysaccharidosis VII (RGYI)	Prof. Rupak Datta	National	DBT	24 July 2013	23 July 2016	15,99,000	DBS	Close
127	Engineered Novel Lipopeptide Detergents for Structural Studies of Integral Membrane Proteins (RGYI)	Dr. Rituparna Sinha Roy	National	DBT	06 August 2013	25 January 2017	46,58,000	DBS	Close
128	Mechanistic investigation of plant growth stimulation by water soluble carbon nanotubes	Dr. Shweta Tripathi	National	SERB	01 June 2012	31 May 2015	14,86,874	DCS	Close
129	Development of Novel Velocity Map Imaging Technique For the Study of Molecular Dynamics	Prof. Dibyendu Nandi	National	INSA	13 August 2013	12 August 2016	15,00,000	DPS	Close
130	Parental Care And social Dynamics in free-ranging dogs in India	Dr. Anindita Bhadra	National	SERB	17 September 2013	16 December 2016	14,00,000	DBS	Close
131	Understanding cell membrane homeostasis during cell stretch (Wellcome Trust/DBT India Alliance Intermediate Fellowship)	Dr. Bidisha Sinha	National	WT-DBT	01 October 2013	30 September 2019	3,51,12,814	DBS	Close
132	Constraining Tectonic Setting of The Paleoproterozoic Krishna Province Metigneous Rocks: Implications for the Geodynamic History of The Active Eastern Dharwar Cratonic Margin.	Dr. Ravikant Vadlamani	National	CSIR	03 October 2013	02 October 2016	14,92,000	DES	Close
133	Mating dynamics, Territoriality and social organization in the Indian free-ranging dog, <i>Canis Lupus familiaris</i> (SERB WEA)	Dr. Anindita Bhadra	National	SERB	08 October 2013	07 October 2016	18,00,000	DBS	Close
134	Design of Mechanochromic Luminescent Materials: Crystal Engineering	Prof. C. Malla Reddy	National	CSIR	10 July 2014	09 July 2017	2042000	DCS	Close
135	Computational investigation of Abnormal-N-Heterocyclic Carbene (aNHC) Mediated Cross- Coupling Reactions: The Nature and Role of the Catalytic Species Involved	Prof. Debasis Koley	National	CSIR	10 July 2014	09 July 2017	1396000	DCS	Close
136	Validation of differentiated neural cells in culture	Prof. Jayasri Das Sarma	N-Const	Hi-Media Consultancy	08 November 2013	31 May 2018	1000000	DBS	Close
137	Pullback equation for differential forms	Dr. Saugata Bandyopadhyay	National	SERB	11 November 2013	10 November 2016	3,96,000	DMS	Close
138	Engineering Lipid-peptide conjugated nanoscale delivery system for delivering siRNA	Dr. Rituparna Sinha Roy	National	DBT	27 November 2013	20 April 2017	44,13,400	DBS	Close
139	National Network for Mathematical and Computational Biology	Dr. Anirban Banerjee	National	SERB	28 November 2013	27 November 2016	52,37,000	DMS	Close
140	Spatial and temporal evolution of the MCT zone in eastern Sikkim Himalaya: Implications on lateral variation in structural evolution of the MCT in Darjeeling-Sikkim Himalaya.	Dr. Kathakali Bhattacharyya	National	SERB	20 June 2014	19 February 2018	25,00,000	DES	Close
141	Basic characterization and analysis of growth factors secreted by Wharton's jelly mesenchymal stem cells under conditions of hypoxia.	Dr. Malancha Ta	National	DBT	31 March 2014	30 December 2016	32,75,200	DBS	Close

List of Completed/ Close Project/Scheme since Inception to Till Date as Per Records Available in R& D Section

Sl No.	Title of the Project	Principal Investigator	Agency Type	Sponsoring Agency	Project Start Date	Project Closed Date	Sanctioned Amount	Dept.	Remarks
142	Glaciers in the upper Alkananda-Saraswati Basin and Climate Change	Dr. Argha Banerjee		Collaborative Project of (IIMSc-HNBGU-IISERK)	30 June 2014	31 March 2017	6,00,000	DES	Close
143	Inspire Faculty Award	Dr. Shibananda Biswas	National	DST	01 July 2012	30 June 2017	86,27,428	DMS	Close
144	Measurements and modeling of supraglacial debris layer properties in Hamtah Glacier	Dr. Argha Banerjee	National	SERB	09 June 2014	08 June 2016	19,75,000	DES	Close
145	Polymer Networks Assembled by Host-Guest Inclusion between Cyclodextrins and Amino Acid/ Peptide Substituents on the Polymer Side- Chain.	Prof. Priyadarshi De	National	BRNS DAE	07 August 2014	06 August 2017	18,45,950	DCS	Close
146	Mueller matrix polarimetry for biological tissue characterization	Prof. Nirmalya Ghosh	National	BRNS DAE	14 July 2014	13 July 2017	20,80,300	DPS	Close
147	Molecular level isotopic characterization of vegetation and its phytolith in humid to arid climate zones in India	Prof. Prasanta Sanyal	National	SERB	09 July 2014	06 January 2018	56,36,000	DES	Close
148	Theoretical investigation on designing novel conjugated system in solar cell application	Dr. Mousumi Das	National	SERB	08 August 2014	07 August 2017	21,65,000	DCS	Close
149	Development of cost effective catalysts with pincer carbene ligands	Prof. Swadhin K. Mandal	National	CSIR	09 July 2014	08 July 2017	6,00,000	DCS	Close
150	US-India Collaborative Research to Decipher Function and Evolution of GABAergic Neurotransmission in Planaria	Prof. Priyadarshi De	International	National Science Foundation, USA	04 August 2014	31 August 2017	4,81,223	DCS	Close
151	Advanced Computational Models to Facilitate Solar Activity and Space Weather Predictions	Prof. Dibyendu Nandi	International	IFC PAR	1 January 2015	31 December 2018	49,10,361	CESSI	Close
152	Metal complexes of nitrogen mustards as anticancer agents- studying the influence of nutrient and enhanced selectivity in hypoxia	Prof. Arindam Mukherjee	National	SERB	21 October 2014	28 February 2018	53,15,200	DCS	Close
153	Synthesis of the oligosaccharides related to the repeating units of the o-antigens from E. coli 0158, 036 and 0174 and further vaccine designing	Prof. Balaram Mukhopadhyay	National	SERB	29 October 2014	28 October 2017	37,82,000	DCS	Close
154	Leis mania major β -CARBONIC ANHYDRASE AS POSSIBLE DRUG TARGET	Prof. Rupak Datta	National	CSIR	06 January 2015	31 January 2018	17,95,000	DBS	Close
155	Computational Biology of Riboswitches; Pattern Detection and Comparative genomics under India Israel Programme	Dr. Supratim Sengupta	National	UGC	05 December 2014	31 December 2017	31,08,690	DPS	Close
156	Seismic structure Active faulting and ground motion evaluation in NW India	Prof. Supriyo Mitra	International	NERC IAA Knowledge Exchange Award	11 December 2014	10 December 2015	17,59,070	DES	Close
157	Luminescence Chronology of Paleoflood and aeolian dunes deposit in Kaveri Basin: Implication to Holocene climate reconstruction	Dr. Manoj Kumar Jaiswal	National	MoES	19 February 2015	18 February 2020	96,85,200	DES	Close
158	NOVEL SUPRAMOLECULAR POLYMER AND RECEPTOR FROM ISOOROTIC ACID SEMICARBAZIDE WITH PEPTIDE SPACER	Dr. Debasish Halder	National	CSIR	25 February 2015	24 February 2018	9,00,000	DCS	Close
159	Spectroscopic Investigation of the Core-Shell and Ternary Quantum Dots for Quantum Dot Solar Cells	Prof. Sayan Bhattacharyya	National	India -Israel S&T Cooperation Programme	01 January 2015	30 June 2017	21,13,000	DCS	Close
160	NORBORNENE BASED MULTI-DRUG CONTAINING NANOCARRIER FOR EFFICIENT TUBERCULOSIS THERAPY	Prof. Raja Shunmugam	National	CSIR	07 March 2015	31 March 2018	6,00,000	DCS	Close
161	Development of detection for some pesticides in water samples	Prof. Subhajit Bandyopadhyay	National	DST UKIERI	27 May 2015	26 May 2017	9,24,000	DCS	Close
162	Earthquake Hazard Evaluation in Jammu and Kashmir Himalaya and Western Indo- Gangetic Plains	Prof. Supriyo Mitra	National	UGC UKIERI	01 January 2015	31 March 2018	17,81,400	DES	Close
163	Orderings and Ageing properties having Applications in Reliability	Prof. Asok K. Nanda	National	DAE	21 February 2015	20 February 2018	2,50,000	DMS	Close
164	Role of non muscle myosin IIs in Proliferation and Differentiation of Umbilical Cord derived mesenchymal Stem Cell	Dr. Malancha Ta	National	ICMR	01 March 2015	28 February 2018	19,63,200	DBS	Close
165	Bioprospecting of cyanobacteria for cytotoxic and protease inhibitor compounds from special habitats of West Bengal, India	Dr. Manojit Debnath	National	SERB	01 April 2015	31 March 2018	31,88,000	DBS	Close
166	Norbornene Derived Doxorubicin Copolymers as Drug Carriers- An Unique Approach for the Site- specific Cancer Therapy	Prof. Raja Shunmugam	National	DBT	31 March 2015	30 March 2018	93,00,600	DCS	Close
167	Theoretical study of the dynamics and mechanosensitivity of cell adhesion under time varying stretch	Dr. Rumi De	National	SERB	30 March 2015	29 March 2018	21,86,800	DPS	Close
168	Inspire Faculty Award	Dr. Shirshendu Chowdhury	National	SERB	28 April 2015	27 April 2021	86,27,428	DMS	Close
169	Response to the Mw 7.9 Earthquake of April 25, 2015 in Nepal	Prof. Supriyo Mitra	International	NERC UK	04 June 2015	03 June 2016	9,78,539	DES	Close
170	Non-covalent interactions as instrument for control of water uptake and mechanical properties of side chain amino acid containing hydrogels: complex experimental and theoretical study	Prof. Priyadarshi De	National	DST RFBR (Indo Russian)	23 June 2015	22 June 2017	24,84,680	DCS	Close
171	Development of Norbornene based Polymers as multi- functional materials in the construction application	Prof. Raja Shunmugam	N-Const	ADDO ADDITIVES MFG PVT. LTD.	01 July 2015	30 June 2020	56,06,500	DCS	Close
172	Earthquakes Without Frontiers: a partnership for increasing resilience to seismic hazard in the continents	Prof. Supriyo Mitra	International	NERC IOF	01 January 2015	31 December 2016	2,11,071	DES	Close
173	Computational Investigation of bi- metallic and tri- metallic complex mediated homogeneous catalysis	Prof. Debasis Koley	International	Technical University Kaiserslautern	05 August 2015	06 August 2018	7,08,978	DCS	Close
174	Technical collaboration grant agreement executed between Invictus Oncology Private Limited	Prof. Swadhin K. Mandal	N-Const	Invictus Oncology Private Limited	01 April 2015	31 March 2019	1,82,92,326	DCS	CLOSE
175	Determining the Whale Shark habitat quality status along the coast of Gujrat-based on plankton and benthos	Prof. Punyasloke Bhadury	N-Const	Wildlife Trust of India	14 August 2015	13 August 2018	2,50,000	DBS	Close

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Sl No.	Title of the Project	Principal Investigator	Agency Type	Sponsoring Agency	Project Start Date	Project Closed Date	Sanctioned Amount	Dept.	Remarks
176	Synthesis and Optical Properties of Small Molecular Weight Organic P- type Semiconductors	Dr. Ratheesh K Vijayaraghavan	National	SERB	26 November 2015	25 November 2018	23,00,000	DCS	Close
177	Shallow water benthic communities and food- web dynamic: A case for Kakinada Bay and Coastal Andhra Pradesh	Prof. Punyasloke Bhadury	National	MoES	12 August 2015	11 August 2019	15,18,500	DBS	Close
178	Single particle photoluminescence investigation of multichromophoric π -stacked aggregates	Dr. Debansu Chaudhuri	National	SERB	17 August 2015	16 August 2018	71,90,000	DCS	Close
179	Density functional theory of many- electron systems in Cartesian grid	Prof. Amlan Kusum Roy	National	SERB	05 October 2015	21 April 2019	25,21,000	DCS	Close
180	Green Synthetic Routes to Develop Ultrasmall Luminescent Nanocrystals for Sensing Applications	Prof. Venkataramanan Mahalingam	National	SERB	05 October 2015	04 October 2018	35,40,000	DCS	Close
181	New Conjugated System for Organic Electronic Devices	Prof. Sanjio S. Zade	National	SERB	05 October 2015	04 October 2018	35,47,000	DCS	Close
182	Study of molecular dynamics in the low-energy electron collisions with jet-cooled molecules	Prof. Dibyendu Nandi	National	SERB	09 September 2015	08 September 2018	49,47,000	DPS	Close
183	Inspire Faculty Award	Dr. Pradip Kumar Tarafdar	National	DST	25 August 2014	24 August 2019	86,27,428	DCS	Close
184	Stone India Limited	Prof. Punyasloke Bhadury	N-Const	Stone India Limited	14 December 2015	13 December 2018	85,000	DBS	Close
185	Role of Amyloid- β in modulating gap junction and hemichannel function: Implication for Alzheimer's disease pathogenesis	Dr. Mahua Maulik	National	SERB	27 November 2015	26 November 2018	38,60,000	DBS	Close
186	Dynamics of Water Dissociation on Cu- Ni and Ag- Ni Alloy Surfaces	Prof. Ashwani Kumar Tiwari	National	SERB	01 April 2016	31 March 2019	45,76,000	DCS	Close
187	J C Bose Fellowship	Prof. Soumitro Banerjee	National	SERB	07 January 2016	06 January 2021	89,60,000	DPS	Close
188	New Class of Biodegradable Polymer as Theranostic Agent for Multiple Tumors Using a Single Target	Prof. Raja Shunmugam	National	SERB	16 January 2016	15 January 2019	63,98,000	DCS	Close
189	Synthesis and characterization of carbon nanoparticle photoinduced transfer molecular devices	Prof. Pradipta Purkayastha	National	SERB	12 February 2016	11 February 2019	20,40,000	DCS	Close
190	Study on Functioning of biological communities that determine prey base abundance in Sundarbans Biosphere Reserve [24- Parganas (South) Forest Division and Basirhat Forest Division]	Prof. Punyasloke Bhadury	N-Const	WWF India	27 January 2016	31 May 2018	4,10,700	DBS	Close
191	Designing Mechanical Behaviour of Functional Organic Crystals, SwarnaJayanti Fellowship	Prof. C. Malla Reddy	National	SERB	02 March 2016	01 March 2021	2,41,21,200	DCS	Close
192	Ramanujan Fellowship	Dr. Sureshkumar Devarajulu	National	DST	08 February 2016	07 February 2021	89,00,000	DCS	Close
193	Characterization, population dynamics and management of Rhizoctonia in different cropping systems	Prof. Sayan Bhattacharyya	National	ICAR	19 February 2016	18 February 2018	11,70,000	DCS	Close
194	Understanding the Role of myo- Inositol Hexakisphosphate (IP6) in the Regulation of Bruton's Tyrosine Kinase in B- cell Signaling	Dr. Rahul Das	National	SERB	12 July 2016	11 July 2019	48,55,800	DBS	Close
195	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	32,50,000	DBS	Close
196	Strategy for developing a safe and effective control measure against Avian Influenza in chicken: live vector- based mucosal vaccine approach	Dr. Amirul Islam Mallick	National	SERB	19 March 2016	18 March 2019	29,78,250	DBS	Close
197	Arsenic release and movement from arsenic eleant paddy soil in Bengal Delta region of India during monsoonal flooding	Dr. Manoj Kumar Jaiswal and Dr. Sutapa Bose	National	MoES	14 March 2016	31 July 2019	44,98,000	DES	Close
198	Tracking pesticide concentration in Urban concrete surface	Dr. Sujata Ray	National	SERB	28 March 2016	27 March 2019	19,00,000	DES	Close
199	Nitrogen Pollution in Large River System: A Case Study in th River Ganga, India	Prof. Punyasloke Bhadury	International	IAEA (International Atomic Energy Agency)	15 April 2016	31 March 2022	8,99,005	DBS	Close
200	Understanding the degradation and loss of primary forest in the Teesta valley of the Sikkim Himalaya: A framework for recovery and management of biodiversity and bioresources	Dr. Robert John Chandran	National	NMHS	24 May 2016	23 May 2019	23,11,200	DBS	Close
201	Synthesis, Photophysics and Ultrafast fluorescence dynamics of Fluorescent Protein Chromophore Analogues	Prof. Prasun K. Mandal	National	CSIR	06 July 2016	05 July 2019	16,96,000	DCS	Close
202	FIST Program - 2015	DES, Head	National	DST	21 June 2016	20 June 2021	1,38,00,000	DES	Close
203	Fish community structure and patterns of diversity along impacted and unimpacted streams of Vindhya and Satpura hill ranges, Central India	Dr. Anuradha Bhat	National	MoEF	30 June 2016	29 June 2019	26,41,540	DBS	Close
204	Development of novel stimuli- responsive gel forming polymers as non- aluminium antiperspirant	Prof. Priyadarshi De	N-Const	Unilever	29 October 2016	28 October 2019	39,33,075	DCS	Close
205	Studies on the mechanisms of action an essential ribosome- associated bacterial GTPase protein CgtA	Dr. Partha Pratim Datta	National	SERB	26 July 2016	25 July 2019	36,55,800	DBS	Close
206	Inspire Faculty Award	Dr. Sushil Gorai	National	DST	01 April 2012	31 March 2017	86,27,428	DMS	Close
207	Transition Metal Catalyzed Transfer Hydrogenation and Metal- Organo Co- operative Catalysis: Versatile Routes to Valuable Molecular Scaffolds	Dr. Suman De Sarkar	National	SERB	14 July 2016	13 July 2019	32,40,000	DCS	Close
208	Inspire Faculty Award	Dr. Biplab Maji	National	SERB	16 August 2016	15 August 2021	35,00,000	DCS	Close
209	Inspire Faculty Award	Dr. Rajib Dutta	National	SERB	23 September 2016	09 September 2022	35,00,000	DMS	Close
210	Perovskite Oxide Nanoparticle Catalyzed Overall Water Splitting Driven by Perovskite Solar Cells	Prof. Sayan Bhattacharyya	National	SERB	26 December 2016	25 December 2019	65,83,280	CAFAM	Close
211	Thermal Stability, Temperature Induces Conformational Switching and Self- Assembly in Protein Libraries	Dr. Neelanjana Sengupta	National	SERB	23 December 2016	22 December 2019	79,21,100	DBS	Close

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Sl No.	Title of the Project	Principal Investigator	Agency Type	Sponsoring Agency	Project Start Date	Project Closed Date	Sanctioned Amount	Dept.	Remarks
212	Polymerization induced Nanostructured materials from fatty acid based renewable resources	Prof. Priyadarshi De	National	CSIR	24 February 2017	23 February 2020	21,46,000	DCS	Close
213	Ramanujan Fellowship	Dr. Gopala Krishna Dharbha	National	DST	01 August 2016	31 July 2021	89,00,000	DES	Close
214	Development of First- Row- Transition Metal Catalysts for Catalytic Asymmetric Reductive Functionalization Reactions	Dr. Biplab Maji	National	SERB	10 March 2017	09 March 2020	28,69,000	DCS	Close
215	Synthesis of Functionalized Lipids and Exploration of Proteins- Lipid Cross talk during Flavivirus Infection	Dr. Pradip Kumar Tarafdar	National	SERB	10 March 2017	09 March 2020	46,14,000	DCS	Close
216	Harnessing physically diverse nanoscale materials for siRNA delivery to overcome cancer resistance	Dr. Rituparna Sinha Roy	National	SERB	22 March 2017	21 March 2020	46,00,000	DBS	Close
217	Investigating the role of Insulin signalling in collective cell movement using the model of Border cell Migration in Drosophila oogenesis	Prof. Mohit Prasad	National	SERB	22 March 2017	30 September 2020	50,22,000	DBS	Close
218	Characterization and engineering of enzymes to reduce biomass recalcitrance	Prof. Supratim Datta	National	SERB	24 March 2017	23 June 2020	52,96,800	DBS	Close
219	Social Tendencies Of Free-Ranging Dogs In Different Human Habitats - Testing The Domestication Hypothesis	Dr. Anindita Bhadra	National	SERB	30 March 2017	29 June 2020	40,68,600	DBS	Close
220	Multi-dimensional Research to Enable System Medicine: Accelerating using a Cluster Approach' at Kalyani, West Bengal" (SvMeC)	Prof. Jayasri Das Sarma	National	DBT	04 April 2017	08 July 2022	10,45,65,000	DBS	Close
221	Well- defined Amphiphilic Block Copolymers for Pharmaceutical Applications	Prof. Priyadarshi De	National	DST- International Division (India-Belarus Inter-Governmental)	24 March 2017	23 March 2020	19,03,500	DCS	Close
222	Inspire Faculty Award	Dr. Dibyendu Das	National	DST	22 May 2013	21 May 2018	83,00,000	DCS	Close
223	Novel regulatory mechanisms of human copper transporters ATP7B and CTR1	Dr. Arnab Gupta	National	WT-DBT	01 May 2017	30 April 2023	3,50,20,260	DBS	Close
224	Biochemical and functional characterization of alpha carbonic anhydrase from Leishmania major	Prof. Rupak Datta	National	DBT	01 June 2017	31 May 2021	40,13,000	DBS	Close
225	Implication of a minimum(Planck) length scale in particle physics, astrophysics, black hole physics and supersymmetry	Dr. Sunandan Gangopadhyay	National	SERB	31 March 2016	30 March 2019	4,44,000	DPS	Close
226	Research Collaboration between IISER-K and WJ Décor	Prof. Punyasloke Bhadury	N-Const	WJ Décor	17 July 2017	30 June 2018	6,50,000	DBS	Close
227	Amphiphilic Peptide Nanostructure for MoS2 exfoliation: Responsive Materials for Synergistic Chemotherapy and Photo-thermal Therapy	Dr. Dibyendu Das	N-Const	DBT	01 August 2016	31 July 2017	12,55,000	DCS	Close
228	Neuroprotective function of CD40 in Mouse Hepatitis Virus induced central nervous system infection	Prof. Jayasri Das Sarma	National	DBT	09 June 2017	08 June 2021	58,00,000	DBS	Close
229	Stability and transport properties of nanopesticides in the soil environment: Understanding the safety of applying nanotechnology to the agricultural sector	Dr. Gopala Krishna Dharbha	National	SERB	18 August 2017	31 December 2020	48,46,000	DES	Close
230	Investigating the Structural and Functional Basis of RNA Binding and Post-transcriptional Regulation of Gene Expression by Annexin A2 in Response to Genotoxic Stress	Dr. Partho Sarothi Ray	National	SERB	27 September 2017	26 March 2021	28,36,000	DBS	Close
231	Catalytic Asymmetric Fluorination/ Trifluoromethylation by C-H Activation	Dr. Sureshkumar Devarajulu	National	SERB	28 September 2017	27 September 2020	37,92,000	DCS	Close
232	Fine scale assessment of tiger (Panthera tigris) connectivity networks in Panna Landscape, Madhya Pradesh	Dr. Robert John Chandran	National	Madhya Pradesh State Biodiversity Board	07 October 2017	06 June 2018	11,13,000	DBS	Close
233	Design of Host-Guest Supramolecular Polymers in Aqueous Media: Adaptive Materials with self-healing and Stimuli-responsive Properties	Dr. Supratim Banerjee	National	SERB	05 October 2017	04 January 2021	51,37,000	DCS	Close
234	Efficacy of umbilical cord-derived mesenchymal stem cells under ischemia-like physiological stress conditions	Dr. Malancha Ta	National	SERB	20 October 2017	19 October 2020	44,88,010	DBS	Close
235	Rational development of regioselective difunctionalizations of arenes using carboxylates as decoupled groups.	Prof. Debasis Koley	National	DST(International Bilateral Cooperation Division)	30 October 2017	31 October 2021	30,49,000	DCS	Close
236	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	44,24,000	DBS	Close
237	Self-Propagating Minimal Catalysts: Functional Amyloid Nanostructures for Chemical Evolution	Dr. Dibyendu Das	National	DST-Nanomission	12 December 2017	11 December 2020	52,97,560	DCS	Close
238	Development of Fe(III) complexes of biuret based macrocyclic ligands: From catalysts for C-H activation to chemical probes for signal amplification in analyte detection	Prof. Sayam Sen Gupta	National	SERB	15 July 2015	14 July 2018	49,26,000	DCS	Close
239	Studying the mechanism of host adaptation by Campylobacter jejuni and developing strategies to control enteric commensalism in chicken	Dr. Amirul Islam Mallick/ Dr. Rhul Das	National	DBT	07 February 2018	30 June 2021	33,72,400	DBS	Close
240	Tensor-valued wavelet analysis and application to solution of differential equations	Dr. Ratikanta Behera	National	SERB	07 February 2018	31 December 2019	18,74,000	DMS	Close
241	Engineering improved siRNA based combinatorial nanotherapeutics for managing metastasis and adaptive resistance in breast cancer treatment.	Dr. Rituparna Sinha Roy	National	DBT	23 February 2018	22 February 2021	91,59,800	DBS	Close
242	J C Bose Fellowship	Prof. Sourav Pal	National	DST	12 October 2017	21 July 2023	63,19,996	DCS	Close

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Sl No.	Title of the Project	Principal Investigator	Agency Type	Sponsoring Agency	Project Start Date	Project Closed Date	Sanctioned Amount	Dept.	Remarks
243	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	34,84,800	DCS	Close
244	Mechanistic Studies on Trafficking of human copper ATPase ATP7B	Dr. Arnab Gupta	National	SERB	12 August 2016	11 August 2019	38,72,000	DBS	Close
245	Bile Acid Containing Amino Acid Based Cationic Polymeric Architectures For Enhanced Actin Polymerization	Prof. Priyadarshi De	National	SERB	13 March 2018	12 March 2021	57,19,560	DCS	Close
246	The Development and implementation of sensors and treatment technologies for fresh water systems in India	Dr. Tapas K. Sengupta	National	DST-Indo-UK	28 March 2018	15 February 2022	33,73,300	DBS	Close
247	Role of Himalayan glaciers in the Ganga river system : A study based on stable Isotope.	Prof. Prasanta Sanyal	National	NCAOR	01 April 2018	31 March 2021	48,70,000	CCES	Close
248	Potential application of cyanobacteria to reduce bioavailability of arsenic in rice field: a step ahead for safe rice grain	Prof. Punyasloke Bhadury	National	WBDBT	31 January 2018	30 January 2020	24,47,680	DBS	Close
249	Boron and Gadolinium Nanoparticles for Cancer Diagnosis and Therapy	Prof. Swadhin K. Mandal	National	DST-BRICS	21 March 2018	14 September 2021	36,13,712	DCS	Close
250	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	43,03,800	DBS	Close
251	Biochemical and functional characterization of two formins of Leishmania major and their role in infectivity of the parasite	Dr. Sankar Maiti	National	DBT	20 April 2018	17 October 2021	44,45,520	DBS	Close
252	International Genetically Engineered Machine Competition	Dr. Partho Sarothi Ray	International	DBT	01 April 2018	31 March 2019	10,00,000	DBS	Close
253	Metal complexes of β -Lactams: Investigation of the combination of cholesterol depletion and DNA cross-linking to develop new anticancer agents	Prof. Arindam Mukherjee	National	CSIR	21 May 2018	20 May 2021	8,75,000	DCS	Close
254	Metal complexes of ligands designed to act as antiangiogenic and antimetastatic agents against cancer: Synthesis, characterization, stability and cytotoxicity studies	Prof. Arindam Mukherjee	National	DST	21 May 2018	20 May 2021	61,00,000	DCS	Close
255	Developing an in vitro neural cell-culture model to understand the mechanism of neuronal cell death in Systemic Lups Erythematosus SLE	Prof. Jayasri Das Sarma	National	DBT	05 June 2018	04 June 2021	39,82,100	DBS	Close
256	Study on Photoinduced Electron Transfer Between Pristine and Cyclodextrin Modified Carbon Dots and DNA Duplex	Prof. Pradipta Purkayastha	National	CSIR	01 May 2018	30 April 2021	5,83,333	DCS	Close
257	Development of Layered transition metal dichalcogenides for efficient energy storage: Synthesis and supercapacitor applications	Prof. Venkataramanan Mahalingam	National	DST	22 February 2018	21 February 2021	61,46,800	DCS	Close
258	On the Equation $(nabla U)^t Anabla u=G$ & its Linearization, & Applications to Calculus of Variations	Dr. Saugata Bandyopadhyay	National	SERB	21 June 2018	20 June 2021	6,60,000	DMS	Close
259	A Dynamically Adaptive Wavelet Algorithm for Solution of Evolution Equations with Localized Structures	Dr. Ratikanta Behera	National	SERB	13 June 2018	12 December 2019	6,00,000	DMS	Close
260	Combinatorial Aspects of Maps Between Homotopy Associative Spaces	Dr. Somnath Basu	National	SERB	13 June 2018	12 June 2021	6,60,000	DMS	Close
261	Polynomial convexity of yhr finite union of Lagrangians in C^n	Dr. Sushil Gorai	National	SERB	13 June 2018	12 June 2021	6,60,000	DMS	Close
262	Realization and Classification of Homogeneous Operators via Quotient Modules	Dr. Shibananda Biswas	National	SERB	12 June 2018	11 June 2021	6,60,000	DMS	Close
263	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	34,51,000	DES	Close
264	Studies of Spin Orbit Interaction of Light in Optical Tweezers	Dr. Ayan Banerjee	National	SERB	06 August 2018	05 February 2022	40,97,500	DPS	Close
265	Interfacial crystallization of colvent organic frameworks and colavent organic frmaework membranes with ultrahigh surface area for molecular separation and methane storage (Swarnajayanti Fellowship)	Prof. Rahul Banerjee	National	SERB	16 August 2018	15 August 2023	1,92,00,000	DCS	Close
266	Study of Different Spectral Properties of Nonuniform Hypergraphs	Dr. Anirban Banerjee	National	SERB	13 June 2018	12 June 2021	6,60,000	DMS	Close
267	Entanglement Dynamics and Quantum Information Processing in Spin Systems	Prof. Chiranjib Mitra	National	SERB	24 September 2018	23 September 2021	49,47,085	DPS	Close
268	Study of Black hole thermodynamics in modified and quantum theories of gravity	Dr. Bhramar Chatterjee	National	DST	28 September 2018	27 September 2021	24,01,500	DPS	Close
269	Stabilizing Sensitive Organic and Catalysts in Solid State by Crystal Engineering Approach	Prof. C. Malla Reddy	National	SERB	24 September 2018	23 September 2021	42,90,000	DCS	Close
270	Inspire Faculty Award	Dr. Soumya Bhattacharyya	National	DST	04 October 2017	03 October 2022	86,27,428	DMS	Close
271	Molecular characterization of leishmania major bicarbonate transporter and studying its role in parasite physiology	Prof. Rupak Datta	National	SERB	11 October 2018	10 October 2021	26,90,000	DBS	Close
272	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	24,59,600	DPS	Close
273	Bulk Synthesis & discovery of COF material with remarkable chemical stability for Methane Storage	Prof. Rahul Banerjee	National	GAIL	26 October 2018	31 March 2021	1,18,00,000	DCS	Close
274	Development of Fe-Complex for catalytic C-H Bond Hydroxylation in Natural products using only O2 as the oxidant	Prof. Sayam Sen Gupta	National	SERB	03 November 2018	02 November 2021	40,70,000	DCS	Close
275	Engineering Applications of Designer Nano Particle Assembles	Prof. Sayam Sen Gupta	International	IUSTTF	15 April 2018	14 April 2020	40,46,599	DCS	Close
276	Dissipative Microphases Regulated by Emergence of Catalytic Behaviour in Supramolecular Peptide Assemblies	Dr. Dibyendu Das	National	SERB	10 December 2018	09 December 2021	49,06,704	DCS	Close

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SI No.	Title of the Project	Principal Investigator	Agency Type	Sponsoring Agency	Project Start Date	Project Closed Date	Sanctioned Amount	Dept.	Remarks
277	Population and species survival assessment of red panda (<i>Ailurus fulgens</i>) in Singhalila National Park, West Bengal: potential trajectory following re-stocking of the population under the captive breeding programme	Dr. Robert John Chandran	National	WBZA	22 January 2019	21 January 2020	23,37,000	DBS	Close
278	Synthesis of the oligosaccharides related to the o-antigens from E. coli O74,O145 and O156 with scope for Futher Glycol-cunjugates and vaccine designing	Prof. Balaram Mukhopadhyay	National	SERB	19 December 2018	18 December 2021	37,34,500	DCS	Close
279	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	1,00,61,704	DPS	Close
280	Inspire Faculty Award	Dr. Md Ali Zinna	National	DST	19 January 2017	18 January 2023	85,94,390	DMS	Close
281	Light driven switching of acidity and control of catalytic activity	Prof. Subhajit Bandyopadhyay	National	SERB	16 January 2019	16 July 2022	44,66,704	DCS	Close
282	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	43,87,800	DBS	Close
283	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	2,30,16,800	DES	Close
284	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 2025	16,75,676	CCES	Close
285	Increasing Resilience to Earthquake in North India	Prof. Supriyo Mitra	International	The Royal Society UK	01 December 2018	30 November 2022	56,74,180	CCES	Close
286	Effect of Ion Specificity of Nano-Structuring in Ion-containing Polymer Systems Caused by ION Association in Organic and Aqueous Media: Complex Experimental and Theoretical Study	Prof. Priyadarshi De	International	DST-RFBR	05 February 2019	04 February 2021	30,52,720	CAFPM	Close
287	Roll-to-roll printed electronic labels for temperature, humidity and tampering detections	Dr. Debansu Chaudhuri	International	Indo-German	15 March 2019	14 March 2023	1,60,60,320	DCS	Close
288	Renewable and Sustainable Energy Storage and Production: Conversion of CO2 into Formic Acid and Methanol Using Non-Precious Transition Metal Catalysed Hydrogenation	Prof. Sourav Pal	National	SERB	26 March 2019	25 December 2022	2,32,39,600	DCS	Close
289	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	29,18,695	DCS	Close
290	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 John Chandran	National	SERB	30 March 2019	29 June 2022	35,60,577	DBS	Close
291	Possible Hadean to Archaen crustal evolution in the Singhbhum craton: an investigation into the detrital zircon archive	Dr. Sukanta Dey	National	SERB	13 September 2017	12 March 2022	41,00,200	DES	Close
292	Origin and evolution of crust in the NE part of the singhbhum carton: constraints from geochemistry and geochronology of granitoids	Dr. Sukanta Dey	National	MoES	20 August 2015	31 March 2021	29,59,200	DES	Close
293	Liposomal drug/gene delivery systems for targeted cancer therapy and in vivo dendritic cell targeted DNA vaccination	Dr. Arbinda Chaudhuri	National	DAE	04 September 2018	03 September 2021	12,76,188	DCS	Close
294	Sustainable water management in urbanised Lower Bengal: novel isotope tracers of the release of heavy metals in the Ganga (Hooghly) River Estuary	Dr. Tarun Kumar Dalai	International	GCRF	24 April 2019	23 October 2019	19,43,510	DES	Close
295	Quantum Information Technologies with Photonic Devices	Prof. Prasanta Panigrahi	National	DST	24 April 2019	23 April 2022	1,44,74,000	DPS	Close
296	Thiophene-based conjugated porous polymer thin films	Prof. Sanjio S. Zade	National	SERB	16 May 2019	15 November 2022	30,84,450	DCS	Close
297	Akamara Biomedicine Private Limited	Prof. Swadhin K. Mandal	National	Akamara Biomedicine Private Limited	01 June 2019	31 May 2021	35,20,500	DCS	Close
298	Monitoring Tiger Habitat Productivity in Sundarbans Biosphere Reserve Using Biological Indicators for Informed Decision Making by Protected Area Mangers	Prof. Punyasloke Bhadury	National	WWF INDIA	23 April 2019	22 April 2020	10,12,000	CCES	Close
299	Cipla Consultancy	Prof. C. Malla Reddy	National	CIPLA	24 June 2019	31 March 2024	15,00,000	DCS	Close
300	Chloride ion Scavenging macromolecules for wastewater treatment	Prof. Raja Shunmugam	National	Tata Steel	09 October 2019	08 October 2020	5,00,000	DCS	Close
301	Transition metal Mimicking catalysis through small molecular activation	Prof. Swadhin K. Mandal	National	SERB	30 March 2019	29 March 2022	79,05,000	DCS	Close
302	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	49,88,896	DPS	Close
303	Attenuation Structure of J&K Himalaya Using Coda-Q tomography	Prof. Supriyo Mitra	National	MoES	26 June 2019	25 June 2022	31,41,000	CCES	Close
304	Targeted delivery of Lysosomal enzyme using mannose-6 phosphate modifies nanocarries for treatment of lysosomal storage diseases	Prof. Sayam Sen Gupta	National	DST-Nanomission	29 June 2019	28 June 2022	69,82,710	DCS	Close
305	Information theoretic measures and complexity under free and confinement situations within DFT: some model and many electron system	Prof. Amlan Kusum Roy	National	BRNS DAE	11 July 2019	10 July 2022	17,87,850	DCS	Close
306	Engineering nature inspired peptide based nanomedicine for blood clotting and wound healing	Dr. Rituparna Sinha Roy	National	DBT	27 March 2019	21 March 2023	1,09,88,160	CCES	Close
307	Vortex Lattice in Strongly Correlated unconventional superconductors	Prof. Amit Amal Ghosal	National	SPARC	13 June 2019	12 June 2021	49,13,108	DPS	Close

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Sl No.	Title of the Project	Principal Investigator	Agency Type	Sponsoring Agency	Project Start Date	Project Closed Date	Sanctioned Amount	Dept.	Remarks
308	Silicon Valley Community Foundation	Prof. Sourav Pal	International	Silicon Valley Community Foundation	03 July 2019	02 July 2022	6,80,506	DCS	Close
309	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	42,90,000	DCS	Close
310	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	42,50,000	DBS	Close
311	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	14,47,833	DBS	Close
312	Targeting Alzheimer's selective detection with GM1 oligosaccharide decorated porphyrin dendrimers	Dr. Rituparna Das	National	DST	01 October 2019	30 September 2022	37,05,200	DCS	Close
313	Hierarchical Porous Covalent Organic Nanosheets and Nanosheets Based Hybrid Membranes for Carbon Capture and Separation of CO ₂	Prof. Rahul Banerjee	National	DST	15 October 2019	14 October 2022	56,32,000	DCS	Close
314	Ramanujan Fellowship	Dr. Debabrata Mukherjee	National	SERB	01 March 2018	29 February 2024	38,00,000	DCS	Close
315	Genome-enabled environmental genomics and expression profiling of marine diatoms in a high CO ₂ World "Swarnajayanti Fellowship"	Prof. Punyasloke Bhadury	National	DST	15 October 2019	14 October 2024	1,74,49,480	CCES	Close
316	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	29,81,000	DCS	Close
317	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	61,28,320	DES	Close
318	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	36,60,200	DBS	Close
319	Development of New Chemistry for Design and Synthesis of Robust Porous covalent Organic Framework Materials for the Application of Water Desalination and Gas Separations	Prof. Rahul Banerjee	International	King Abdullah University of Science and Technology	01 July 2019	30 June 2020	70,00,000	DCS	Close
320	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	29,59,280	DES	Close
321	Theoretical biophysics of molecular competition in gene expressions	Dr. Dipjyoti Das	National	SERB	22 November 2019	21 November 2021	28,95,816	DBS	Close
322	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	32,78,000	DBS	Close
323	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	27,37,366	DBS	Close
324	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	Prof. Rahul Banerjee	National	DST	30 December 2019	29 December 2022	70,11,792	DCS	Close
325	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 November 2023	33,22,000	DCS	Close
326	Electron attachment reactions in isolated biomolecules and clusters	Dr. Dhananjay Nandi	National	SERB	11 February 2020	10 August 2023	59,62,000	DPS	Close
327	Design of appropriate DFT method to mimic pressure effect on atoms and molecules confined in various environment	Prof. Amlan Kusum Roy	National	SERB	06 February 2020	05 August 2023	35,05,390	DCS	Close
328	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 2024	93,49,000	DCS	Close
329	Catalytic Reduction of CO ₂ under Ambient Condition: A Metal-free Approach using Organic Radicals	Prof. Swadhin K. Mandal	National	MoE-STARS	05 February 2020	04 February 2024	89,79,000	DCS	Close
330	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 2024	45,09,000	DBS	Close
331	Fluorometric polymeric sensor for speedy formalin detection in commercial fishes	Prof. Priyadarshi De	National	MHRD-STARS	13 February 2020	12 February 2024	49,43,000	CAFM	Close
332	Investigation of autophagosome-lysosome fusion defect in a Drosophila model of MPS VII to identify potential drug targets and druggable molecules	Prof. Rupak Datta	National	MHRD-STARS	05 February 2020	04 February 2024	49,58,000	DBS	Close
333	Investigating the role of anti-inflammatory drugs on migrating border cell in Drosophila oogenesis: an excellent model for studying tumor metastasis	Prof. Mohit Prasad	National	MHRD-STARS	24 February 2020	23 February 2024	49,91,000	DBS	Close
334	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	62,29,695	DCS	Close
335	Inspire Faculty Award	Dr. Soumalya Joardar	National	DST	05 December 2019	28 February 2023	35,00,000	DMS	Close
336	Determination of Reducing Submodules of Hilbert Modules with S _n -invariant Kernels	Dr. Subrata Shyam Roy	National	SERB	22 March 2019	21 March 2022	6,60,000	DMS	Close

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Sl No.	Title of the Project	Principal Investigator	Agency Type	Sponsoring Agency	Project Start Date	Project Closed Date	Sanctioned Amount	Dept.	Remarks
337	Polarization Mueller matrix spectroscopy and weak measurements on plasmonic metamaterials	Prof. Nirmalya Ghosh	National	SERB	19 February 2020	18 February 2023	59,98,243	DPS	Close
338	Topological insulators and superconductors	Dr. Sourin Das	National	SERB	19 February 2020	18 February 2023	6,60,000	DPS	Close
339	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	6,60,000	DBS	Close
340	Information entropy in free and confined non-central potentials	Prof. Amlan Kusum Roy	National	SERB	19 February 2020	18 February 2023	6,60,000	DCS	Close
341	Seismic Imaging using Inversion Modeling	Dr. Kajalijoti Borah	National	SERB	10 February 2020	09 February 2023	6,60,000	DES	Close
342	Design and Synthesis of Porous Crystalline Covalent Organic Framework Foams for Micropollutant Removal	Prof. Rahul Banerjee	National	SERB	30 March 2020	29 September 2023	89,08,590	DCS	Close
343	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	60,43,360	DCS	Close
344	Integrating metabolic and protein engineering for the production of sustainable biofuels	Prof. Supratim Datta	National	MHRD-STARS	15 May 2020	14 May 2024	75,55,000	DBS	Close
345	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	59,65,000	DCS	Close
346	Monitoring Biodiversity and Ecosystem Services for Ecosystem Enhancement under the green India Mission	Dr. Robert John Chandran	National	Madhya Pradesh State Biodiversity Board	01 August 2020	31 March 2022	44,72,049	DBS	Close
347	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	3,85,26,000	DPS	Close
348	Machine Learning Based Assessment of the Solar Forcing of Space Environment	Prof. Dibyendu Nandi	National	SPARC	04 November 2020	03 November 2022	67,66,770	CESSI	Close
349	Heavy Metal Cycling in Mangrove forests and their Potential as a Bio-remediation solution for metal pollution in coastal regions (West Bengal India)	Dr. Tarun Kumar Dalai	International	GCRF	01 January 2020	31 July 2021	16,14,720	DES	Close
350	Assessing the antiviral effects of biocidal compound coated on paper	Dr. Amirul Islam Mallick	National	ITC	10 September 2020	09 December 2020	2,36,000	DBS	Close
351	Porous Conjugated Polymers for All Polymer Solar Cells	Prof. Sanjio S. Zade	National	DST	28 September 2020	27 September 2023	40,04,731	DCS	Close
352	Chelated Ion' in RNA structure function	Dr. Susmita Roy	National	SERB	04 December 2020	03 December 2022	23,76,000	DCS	Close
353	Development of Synthetic Methodologies by Electrochemical Redox Activation	Dr. Suman De Sarkar	National	SERB	03 December 2020	02 December 2023	46,42,000	DCS	Close
354	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	61,75,400	DCS	Close
355	Engaging fishing communities for the conservation of horseshoe crabs in Sagar Island, Sunderbans	Prof. Punyasloke Bhadury	National	WTI	05 June 2020	10 February 2021	2,00,000	DBS	Close
356	Total Syntheses of Architecturally Intriguing Indeno-Tetrahydropyridine Alkaloids	Prof. Alakesh Bisai	National	SERB	22 December 2020	21 December 2023	38,50,000	DCS	Close
357	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	6,60,000	DPS	Close
358	Deciphering the epigenetic mechanism of EGFR mediated TRIM24 recruitment in cancer progression	Dr. Babu Sudhamalla	National	SERB	16 December 2020	15 December 2023	41,14,500	DBS	Close
359	Evaluation of Antiviral Efficacy of Centuryply Nanoparticle Treated Plywood against Type A Human Influenza Virus (H1N1)	Dr. Amirul Islam Mallick	National	Century Plyboards (I) Limited	01 November 2020	07 December 2020	4,40,140	DBS	Close
360	To test the efficacy of PPE sanitizers intended to be used in the hospitals, and quarantine center	Dr. Amirul Islam Mallick	National	DREAMZ ELECTRICAL IN	18 August 2020	17 October 2020	49,560	DBS	Close
361	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	61,68,888	DCS	Close
362	Response of diverse protein states to thermodynamic extremes: Computational investigations of the pressure-temperature stability	Dr. Neelanjana Sengupta	National	SERB	22 December 2020	21 June 2024	28,40,882	DBS	Close
363	Immiscible Bimetallic Nanostructures as Multifunctional Electrocatalysts	Prof. Sayan Bhattacharyya	National	SERB	22 December 2020	21 December 2023	70,59,888	DCS	Close
364	J C Bose Fellowship	Prof. Amitava Das	National	SERB	01 January 2020	14 March 2024	50,50,000	DCS	Close
365	3-D shear velocity and attenuation structure of northeast India	Dr. Kajalijoti Borah	National	SERB	22 January 2021	21 January 2024	23,12,630	DES	Close
366	Swarjayanti Fellowship	Dr. Dibyendu Das	National	DST	09 December 2020	08 December 2025	4,00,96,800	DCS	Close
367	Samart Legal Consultant: AI-Based Legal Analytics Project	Dr. Kripabandhu Ghosh	National	TCG CREST	28 January 2021	27 January 2023	53,38,900	DCDS	Close
368	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	31 December 2022	34,00,000	DBS	Close
369	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	44,77,000	DBS	Close
370	Enveda Biosciences-HISERK Wilson Disease	Dr. Arnab Gupta	International	Enveda Biosciences	01 March 2021	30 April 2022	20,13,000	DBS	Close
371	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	38,10,000	CCES	Close
372	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	12,54,400	DBS	Close

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SI No.	Title of the Project	Principal Investigator	Agency Type	Sponsoring Agency	Project Start Date	Project Closed Date	Sanctioned Amount	Dept.	Remarks
373	Quantum Sensing for Diatomic molecules	Prof. Prasanta Panigrahi	National	DRDO	09 June 2021	08 June 2022	9,59,260	DPS	Close
374	Total Synthesis of Naturally Occurring Meroterpenoids of Biological Relevance	Prof. Alakesh Bisai	National	CSIR	18 January 2022	17 January 2025	15,00,000	DCS	Close
375	Development of Foldamer Based Organic Phosphorescent Materials	Prof. Debasish Haldar	National	CSIR	02 September 2021	01 September 2024	14,90,000	DCS	Close
376	Understanding the impact of diet on insect physiology, innate immunity and trophic interactions	Dr. Radhika Venkatesan	National	SERB	12 July 2021	11 July 2024	53,14,980	DBS	Close
377	Development of Self-Supported Electrode for Large Scale Electrochemical Hydrogen Generation	Prof. Sayan Bhattacharyya	National	GAIL	09 August 2021	30 November 2023	1,00,00,000	DCS	Close
378	to test antiviral efficacy of nanoparticle treated plywood and laminated products against human corana virus (HCOV:OC43 and 229E)	Dr. Amirul Islam Mallick	National	Century Plyboards (I) Limited	23 July 2021	22 July 2022	6,48,000	DBS	Close
379	Understanding the anti-viral role of Ifit2 against murine β -Coronavirus infection	Prof. Jayasri Das Sarma	National	SERB	09 August 2021	09 August 2024	57,39,888	DBS	Close
380	Inspire Faculty Award	Dr. Sayan Bagchi	National	DST	22 December 2016	21 December 2022	59,00,000	DMS	Close
381	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	31 March 2024	22,31,280	DBS	Close
382	Construction of Contiguous All-Carbon Quaternary Centers: Total Synthesis of Polymeric cis-Pyrrolidinof[2,3-b]indoline Alkaloid	Prof. Alakesh Bisai	National	SERB	03 March 2020	02 March 2023	68,42,000	DCS	Close
383	SYTHESIS STABILIZATION OF LOW- COORDINATE PHOSPHINIDENES: TOWARDS CATALYTIC APPLICATIONS	Prof. Swadhin K. Mandal	National	CSIR	01 August 2021	31 July 2024	23,33,333	DCS	Close
384	Time Independent and Time-Dependent Information in Various Confined Systems	Prof. Amlan Kusum Roy	National	CSIR	01 August 2021	31 July 2024	16,90,667	DCS	Close
385	Bench Scale Study of COF for Co2 Capture and Storage	Prof. Rahul Banerjee	National	Tata Steel	01 April 2021	31 March 2023	12,00,000	DCS	Close
386	Prophecy Sensorlytics India Pvt Ltd	Prof. Swadhin K. Mandal	National	Prophecy Sensorlytics India Pvt Ltd	01 November 2021	31 January 2022	2,00,000	DCS	Close
387	Polyisobutylene Based Polymeric Architectures by Tandem Living Polymerizations	Prof. Priyadarshi De	National	SERB	01 December 2021	30 November 2024	62,37,000	DCS	Close
388	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	61,08,696	DCS	Close
389	visible-light distal trifluoromrthy (thiol)ation of C (sp3)-H Bonds	Dr. Sureshkumar Devarajulu	National	SERB	03 December 2021	02 December 2024	33,30,283	DCS	Close
390	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	38,50,000	DCS	Close
391	Thermoelasticity of Mineral Phases of Subducting Slabs: A Computational Study	Dr.Gaurav Shukla	National	SERB	28 December 2021	27 December 2023	28,32,560	DES	Close
392	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	50,82,000	DCS	Close
393	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	25,94,360	DES	Close
394	Exploration of Mechanically Flexible Organic Single Crystals in Flexible Opto-Electronic Devices	Prof. C. Malla Reddy	National	SERB	14 January 2022	13 January 2025	1,02,96,000	DCS	Close
395	Synthesis of 1-Benzyl-5-Phenyl Barbituric Acid	Prof. Alakesh Bisai	National	Berzelius Chemical Pvt. Ltd.	04 February 2022	03 May 2022	3,70,320	DCS	Close
396	Flexible Transparent Poymeric Sheet for Underwater Stealth Applications	Prof. Priyadarshi De	National	DRDO	27 January 2022	26 July 2023	9,79,000	DCS	Close
397	Development of a generalised deimmunisation approach for protein biotherapeutics	Dr. Purba Mukherjee	National	SERB	09 February 2022	28 June 2022	27,81,000	DBS	Close
398	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	Close
399	Providing Computational results of multireference calculation on photoredox/transitional metal dual Catalysis	Prof. Debasis Koley	International	King Abdullah University of Science and Technology	18 August 2022	17 August 2024	10,93,722	DCS	Close
400	understanding the coupled dynamics of host-influenza interaction and cytokine response by combining mathematical modeling with esperiments	Dr. Dipjyoti Das	International	SIRE	12 November 2022	12 May 2023	17,02,816	DBS	Close
401	Inspire Faculty Award	Dr. M Annadhasan	National	DST	28 September 2022	27 September 2027	1,13,36,000	DCS	Close
402	Inspire Faculty Award	Dr. Soumyarup Banerjee	National	DST	16 August 2022	15 August 2027	1,12,40,000	DMS	Close
403	Extended one-generation reproductive toxicity study by Immunophenotyping of splenic lymphotox subpopulation	Dr. Rahul Das	National	Krish Biotech	31 January 2023	30 March 2023	4,45,108	DBS	Close
404	Red Emitting Meta.fluorophores Exploring Structure-Property Relationship Through Ultrafast Dynamic, Crystallography and cell-Organelle Specific Live cell Imaging	Prof. Prasun K. Mandal	National	CSIR			9,00,000	DCS	Close
405	Research Training of Dr. Bosirul Hoque at IISER KOLKATA	Prof. Rahul Banerjee	International	KFUPM	03 August 2023	02 August 2024	3,60,000	DCS	Close
406	JC Bose Fellowship	Prof. Amitava Das	National	DST	15 March 2024	14 January 2025	34,11,825	DCS	Close