

List of projects (from 2017 – till date)

S. No.	Title of the funded project	Name of the PI and CO-PI	Department	Funding Agency	Sanction Number	Sanctioned Amount (Lakhs)	Duration
1	Direct removal of multidrug resistance bacteria out of blood	Dr Anil K Suresh	Department of Biology	DBT- Ramalingaswamy Fellowship	DBT/RLF/2012	98.00	2014-19
2	Metal-catalyzed new cross-coupling reactions via C-H bond activation and Metallacycle formation	Dr. S. Mannathan	Department of Chemistry	DST-INSPIRE	DST/INSPIRE/04/2015/002987	55.00	2016-21
3	Role of Nuclear Hormone Receptors in <i>C. elegans</i> metabolism and Aging	Dr. Manjunatha	Department of Biology	DST- INSPIRE	DST/ INSPIRE/04/2015/002416	96.00	2016-21
4	Mechanistic of CO Oxidation on Metal Free Catalyst and Property Package	Dr. Ranjit Thapa	Department of Physics	DST-SERB	SERB/EMR/2016/004689	35.45	2017-21
5	Theoretical Insights on the critical factors that influence the performance of non-fullerene organic solar cells	Dr Mahesh Kumar Ravva	Department of Chemistry	DST- INSPIRE	DST/INSPIRE/04/2017/001393	104.00	2017-22
6	Studies upon Modification of High Entropy alloy for Thermal Barrier Coating Applications	Dr Sheela Singh	Department of Mechanical Engineering	DST- SERB	EMR/2016/001066	52.20	2017-20
7	Development of liquid metal processing route for closed cell magnesium foam	Dr Vinod Kumar	Department of Mechanical Engineering	DST- SERB	EMR/2016/006207	66.00	2017-20
8	Microbiome mediated fate and transformation of man released nano-pollutants	Dr Anil K Suresh	Department of Biology	DST- SERB	SERB/ECRA/2018/00000339	46.73	2018-21

9	Probing Charge Transport in Molecular Junctions with Impedance Spectroscopy and Transition Voltage Spectroscopy Approach	Dr Sabyasachi Mukhopadhyay	Department of Physics	DST- SERB	SERB/ECR/2017/001937	48.30	2017-20
10	Molecular links between nutrition, reproduction and aging	Dr. Manjunatha	Department of Biology	DST- SERB-ECR	ECR/2017/000213	44.53	2017-20
11	Tailoring of catalytic surfaces for CO ₂ reduction	Dr. Mallikarjuna Rao Motapothula	Department of Physics	DST- INSPIRE	DST/INSPIRE/04/2017/001392	102.00	2017-22
12	Evaluation of intrinsic piezoelectric coefficients and strain engineering near the morphotropic phase boundary in Pb-free oxides	Dr. Pranab Mandal	Department of Physics	DST- SERB	ECR/2018/001252	48.80	2018-21
13	First principles identification of descriptor for carbon based catalyst	Dr. Ranjit Thapa	Department of Physics	DAE-BRNS (YSRA)	37(2)/20/14/2018-BRNS/37144	28.15	2018-21
14	Development of Nano-Engineered Blue-Emitting Blinking Suppressed 'Giant' Quantum Dots	Dr. Nimai Mishra	Department of Chemistry	DST-TARE	TAR/2018/000732	18.30	2018-20
15	Ion Beam Modification of Two Dimensional(2D) Layered Materials Heterostructures: Defect Engineering and Device Performances	Dr. Jatis Kumar Dash	Department of Physics	UGC-DAE	UGC-DAE-CSR-KC/CRS/19/IBMS04/1005/1036	25.00	2019-22
16	Vector Vortex Beams and their Scattering for Communication Applications	Dr Gangi Reddy Salla	Department of Physics	DST-SRG	SERB/SRG/2019/000857	26.17	2019-21
17	Development of Fast Fluoride Ion Conducting Solid Electrolytes for Rechargeable Solid State Fluoride Ion Batteries	Dr Laxminarayana Patro	Department of Physics	DST-SRG	SRG/2019/000767	31.60	2019-21

18	Characterization of graphs by spectra of its distance and resistance matrix and some problems related to matrix theory and graph theory	Dr. Fouzul Atik	Department of Mathematics	DST-SRG	SRG/2019/000839	12.90	2019-21
19	Methane Emission from Tropical Aquatic Networks: Elucidating the underpinning mechanisms and landscape-level drivers	Dr. Shoji D. Thottathil	Department of Environmental Science	DST-SRG	SRG/2019/000539	30.22	2019-21
20	Design and Development of 'Fast Charging' Next-Generation Battery System and its Advanced Electronic Diagnostics	Dr. Sujith Kalluri	Department of Electronics and Communication Engineering	DST-SRG	SRG/2019/000194	30.00	2019-21
21	A scalable Secure Architecture Model for Privacy and Performance in IoT	Dr Ashok Kumar Pradhan	Department of Computer Science	DST-TARE	TAR/2019/000286	18.3	2019-21
22	Development of novel methods for deconvolution and denoising of seismic reflection data	Dr. Karthikeyan	Department of Electronics and Communication Engineering	DST-SERB	SERB/CRG/2019/01234	25.00	2019-22
23	Discovery of CRISPR-Cas silencing proteins using functional metagenomics	Dr. Sutharsan Govindarajan	Department of Biology	DST- INSPIRE	DST/INSPIRE/04/2019/002369	35.00	2020-25
24	SRM-Amara Raja Center for Energy Storage Devices	Dr. Pardha Saradhi Maram (Chemistry), Dr. Laxminarayana Patro (Physics), Dr. Sujith Kalluri (Electronics Engg.), Dr. Surfarazhussain S Halkarni (Mechanical Engg.), Dr. Jayaprakash Sharma P (Mechanical Engg.), Dr. Tousif Khan N (Electrical Engg.)		Interdisciplinary Industry Project			2020-23