

# PSG Institute of Technology and Applied Research

## Sponsored Projects Details

#	Investigator	Title of the project	Sponsoring Agency/ Scheme	Sanctioned on	Duration	Sanctioned Amount (Rs.)	Status
1	Dr M Devasena	Evaluation of vancomycin resistant bacteria neutralization kinetics and possible transduction of resistant determinants by bacteriophage encapsulated core shell nanofiber membranes in hospital effluent treatment	SERB/CRG	29 Oct 2021	36 Months	7,02,000.00	On-going
2	Dr M I Abdul Aleem Dr A Hariharan	Development of Value-added green construction materials from Waste Foundry Sand	DST/WMT	23 Aug 2021	36 Months	44,48,306.00	On-going
3	Dr M I Abdul Aleem	Processing and Development of hybrid eco-friendly raw material for manufacturing indoor lightweight wall panel	DST/WMT	26 Mar 2021	36 Months	5,397,040.00	On-going
4	Dr N Saravanakumar	Development of Material Database for Finite element Welding Simulation	DRDL	15 Mar 2021	18 Months	991,200.00	On-going
5	Dr A Kumaravel	Synthesis of a novel, highly hydrophobic and antimicrobial organic inhibitors for corrosion protection applications of mild steel in acidic medium	SERB/TARE	18 Nov 2020	36 Months	1,830,000.00	On-going
6	Dr D Thangaraju	Solution Processed Upconversion Luminescent Nanoparticle Selfassembly for Development of Electron Beam Excitation Assisted High-resolution Optical Microscope	DST/IJCSP	4 Jan 2021	24 Months	538,200.00	On-going
7	Dr M Devasena	Transport of Dissolved Methane Plumes in Groundwater: Experimental and Numerical Investigations	DST/Indo-Iran	30 Jan 2020	24 Months	560,680.00	On-going
8	Dr M Devasena	Sanitation in the Circular Economy – an integrative modular onsite toilet treatment for recovery of NPK fertilizer, carbon water	SERB/IMPRINT-2	22 Jan 2020	24 Months	6,907,027.00	On-going
9	Dr M Arun	Affordable Housing for Economically Weaker Section in all Disaster Prone Areas	SERB/TARE	16 Dec 2019	36 Months	1,830,000.00	On-going
10	Dr P Prabhunathan	Design and Fabrication of Supercapacitor Device from Nitrogen Rich Porous Carbon of Hybrid Bio-Mass Polybenzoxazines	SERB/TARE	04 Dec 2019	36 Months	1,830,000.00	On-going
11	Dr N Saravanakumar	Characterization of Aluminum Coating on Varnish coated composite substrate	DRDL	11 Nov 2019		472,000.00	On-going
12	Dr G Chandramohan	Process development of Tulip Liner	DRDO	Oct 2019		976,180.00	On-going
13	Dr P Manoj Kumar	Development of Mesoporous TiN@Nitrogen-doped Carbon Nanostructured support materials with less-pt electrocatalysts for durable and low-cost PEM fuel cells	DST/ORTD	30 Sep 2019	36 Months	385,000.00	On-going
14	Dr G Rajeshkumar	Investigation on mechanics of needle insertion on soft materials	SERB/TARE	12 Mar 2019	36 Months	1,830,000.00	On-going
15	Dr P Manoj Kumar	Modelling and experimental studies of cavitation in globe valve	SERB/TARE	26 Feb 2019	36 Months	1,830,000.00	On-going
16	Dr D Thangaraju	Development of lead-free all-inorganic halide perovskites embedded silica nanomatrix for bioimaging applications	SERB/ECRA	19 Nov 2018	36 Months	4,895,411.00	On-going
17	Dr G Chandramohan	Improvement of mechanical properties of medium carbon low alloy steel through boronizing technique	ARDB	19 July 2016	24 Months	859,500.00	Completed