

| #  | Investigator(s)  | Title of the project  | Agency/<br>Scheme | Sanctioned<br>on | Project<br>Duration | Sanctioned<br>Amount (Rs.) | Status    |
|----|--|---|-------------------|------------------|---------------------|----------------------------|-----------|
| 1  | Dr M Jayasanthi  | Development of an improved multivariate machine learning solution with additional features for non-invasive anemia detection  | SERB/TARE         | 2 Dec 2021       | 36 Months           | ₹1,830,000                 | On-going  |
| 2  | Dr V Rajkumar  | Wire Arc Additive Manufacturing of of Hastelloy C 276 for chemical and pressure vessel applications   | SERB/TARE         | 2 Dec 2021       | 36 Months           | ₹1,830,000                 | On-going  |
| 3  | 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           | ₹702,000                   | On-going  |
| 4  | Dr M I Abdul Aleem<br>Dr A Hariharan<br>Mr K Kavikumaran | Development of Value-added green construction materials from Waste Foundry Sand   | DST/WMT           | 23 Aug 2021      | 36 Months           | ₹4,448,306                 | On-going  |
| 5  | Dr M I Abdul Aleem<br>Mr K Kavikumaran                   | 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                 | 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                   | On-going  |
| 7  | 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                 | On-going  |
| 8  | Dr M Devasena  | Transport of Dissolved Methane Plumes in Groundwater: Experimental and Numerical Investigations   | DST/Indo-Iran     | 30 Jan 2020      | 24 Months           | ₹560,680                   | On-going  |
| 9  | 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                 | On-going  |
| 10 | Dr M Arun  | Affordable Housing for Economically Weaker Section in all Disaster Prone Areas  | SERB/TARE         | 16 Dec 2019      | 36 Months           | ₹1,830,000                 | On-going  |
| 11 | 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                 | On-going  |
| 12 | 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                   | On-going  |
| 13 | Dr G Rajeshkumar   | Investigation on mechanics of needle insertion on soft materials  | SERB/TARE         | 12 Mar 2019      | 36 Months           | ₹1,830,000                 | On-going  |
| 14 | Dr P Manoj Kumar   | Modelling and experimental studies of cavitation in globe valve   | SERB/TARE         | 26 Feb 2019      | 36 Months           | ₹1,830,000                 | On-going  |
| 15 | 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                 | On-going  |
| 16 | Dr G Chandramohan  | Improvement of mechanical properties of medium carbon low alloy steel through boronizing technique  | ARDB              | 19 July 2016     | 24 Months           | ₹859,500                   | Completed |