

SPONSORED RESEARCH AND CONSULTANCY UNDERTAKEN

CONSULTANCY:

1. Project Name: Assessment of origin of odour causing agents at Garware Polyester Ltd.

PI Name: Dr. Parag R Nemade

Sponsored By: Garware Polyester Ltd.

2. Project Name: Value added products from mixed acid waste from TPA plant

PI Name: Dr. Parag R Nemade

Sponsored By: Jayraj Enterprises

3. Project Name: Scale up of production of adhesives

PI Name: Dr. Parag R Nemade

Sponsored By: Annupu Systems

4. Project Name: Expert Opinion on Product Profile for Environmental Clearance

PI Name: Dr. Parag R Nemade

Sponsored By: Satyahari Organochem Pvt. Ltd.

5. Project Name: Development of Biodegradable coating for the food packing applications

PI Name: Dr. Girish M Joshi

Sponsored By: Sarvin Printers Pvt. Ltd.

SPONSORED RESEARCH:

1. Project Name: Efficient Spin Polarised Capabilities and Ultrafast Carrier Dynamics of Chiral Quantum Dot Doped Biopolymer: Application towards the Spintronic Optoelectronic Devices.

PI Name: Dr. Somen Mondal

Sponsored By: DST-SERB

2. Project Name: Multiscale Modeling of Deep Eutectic Solvent Promoted Enhanced Oil Recovery

PI: Dr. Debashis Kundu

Co-PI Name: Dr. Sandip Khan (IIT Patna)

Sponsored By: National Supercomputing Mission R&D-HPC_Applications

3. Project Name: Sustainable, Biodegradable and Affordable Substitutes for 'Single use Plastics' using Castor Oil and Stubble Aggregate

Co-PI: Dr. Debashis Kundu

PI/Co-PI Name: Professor Tamal Banerjee [IIT Guwahati (Co-PI)], Dr. Suryasarathi Bose [IISc (Co-PI)], Dr. Kaushik Chatterjee [IISc (Co-PI)]

Sponsored By: Department of Science and Technology

4. Project Name: “Synthesis and characterization of semiconducting photoactive materials for H₂ generation and dye degradation”

PI. Name: Dr. Nagsen P. Meshram

Sponsored By: ICT Golden Jubilee Research Fund/ UICT Research fund for the year 2020-2021

5. Project Name: Design and synthesis of MXenes-based molecularly dispersed catalysts for catalytic reduction of CO₂ to methanol.

PI Name: Dr. Manoj B. Gawande

Sponsored By: RSC Research Fund grant (Royal Chemistry Society)