

## **Current Projects:**

- Bioelectric Toilet: A novel approach for treatment of human waste and generation onsite electricity for lighting toilets, **Department of Science & Technology, Technology Bhavan, New Mehrauli Road, New Delhi-110 016.**
- Yield Improvement of Ball Powder Manufacturing Process (YIBP), **Ministry of Defence, Ordnance Factory Itarsi.**
- New polymers and polymer composites: design, synthesis and advanced applications (**SGDRI**), **SRIC, IIT KHARAGPUR, Sponsored Research & Industrial Consultancy, IIT Kharagpur.**
- Studies on sonophotocatalytic degradation of persistent organic pollutants in aqueous system, **DST- SERB, New Delhi.**

## **Group Members:**

- Priyanka Das  
Area of Research: Inorganic Materials/hybrids for Environmental Remediation.
- Neha Verma  
Area of Research: Synthesis of inorganic complexes/hybrids for Photocatalysis
- Subrata Mandal  
Area of Research: Fabrications of nanomaterials for various applications.
- Alok Kumar  
Area of Research: Synthesis of Inorganic Complexes for Photocatalysis & sensing
- Karan Goswami  
Area of Research: Transition metal based composites for photochemical applications.
- Sumana Bhar  
Area of Research: Materials for Photosensitized Organic Transformations
- Md. Rakibuddin  
Area of Research: MOF and mixed metal oxides for Photocatalysis and Gas sensing
- Manoj Patowary  
Area of Research: Superhydrophobic/ Oleophilic Sorbent Materials for oil spill clean-ups