



BMS INSTITUTE OF TECHNOLOGY & MANAGEMENT (Autonomous Under VTU)

DEPARTMENT OF CHEMISTRY

Collaboration Details

1. Dr. Jyoti Roy Choudhuri **Mentor: Dr. Malay Kumar Rana, Assistant Professor, IISER, Behrampur, Odisha.** Project: New 2-D carbon-based anode materials in Na-ion battery: Effects of heteroatom doping on Na storage capacity, charge mobility and open circuit voltage via ab initio simulation study.
2. Dr. Jyoti Roy Choudhuri **Mentor: Prof. Umesh Waghmare, Professor, JANCSR, Bangalore.** Project: Application of substitutionally doped graphyne, graphdiyne and penta-graphene nanomaterials in Lithium-ion battery: An ab initio study.
3. Dr. Jyothi C Abbar **Mentor: Prof. Aninda Dutta, Professor, IISc, Bangalore.** Project: Organic Electroactive Materials for High Performance Mg-Ion Rechargeable batteries.
4. Dr. K Sureshkumar **Mentor: Prof. S Sampath, Professor, IISc, Bangalore.** Project: Edge functionalized graphene nanoplatelets with quinones as cathode materials for Li-ion battery applications.