

Sl.no.	Name of the Student	Title of the Project Dissertation	Supervisor
1	Abani Das	Synthesis of few Ruthenium complexes	Prof. Chitrani Medhi
2	Sanjay Sharma	Coordination of Ruthenium with some ligands as a basic feature of Ruthenium complexes and a probe on Ru-Fe bimetallic complexes	Prof. Chitrani Medhi
3	Anupam Das	Synthesis of ionic liquid based hydrogels and investigating their swelling behaviour	Prof. Dllip K. Kakati
4	Trishna Kalita	Synthesis of hydrogels from chitosan and milk protein casein and investigation of their swelling behaviour and urea release	Prof. Dllip K. Kakati
5	Manmayuri Sarma	Acid functionalized montmorillonite K-10 clay as heterogeneous catalyst for the synthesis of polyhydroquinoline derivative.	Prof. Anup K. Talukdar
6	Simanta Kalita	Synthesis and characterisation of modified Co-insitu-MCM-48 mesoporous material and its study as an efficient heterogeneous catalyst for liquid phase solvent free oxidation of toluene under mild condition.	Prof. Anup K. Talukdar
7	Bhupali Thakuria	Strategies for the design of luminescent carbon-based nanomaterials	Prof. Rupam J Sarma
8	Nandita Biswas	Solvatochromic behaviour of acylhydrazide based AIEgen	Prof. Rupam J Sarma
9	Priti Saha	A study on the photo-responsive property of 2-hydroxynaphthaldehyde based semicarbazide derivatives	Prof. Rupam J Sarma
10	Mayurakshi Deka	Strategies for the design of luminescent organic-inorganic hybrids containing $[\text{MnCl}_4]^{2-}$ building blocks	Prof. Rupam J Sarma
11	Nitish Kumar Nath	Synthesis of graphitic carbon nitride graphite composite by ball milling	Dr. Sonit Kumar Gogoi
12	Bitupan Moran	Synthesis of thiourea – graphite composite and study of their fluorescence property	Dr. Sonit Kumar Gogoi
13	Rituporna Kashyap	Facile synthesis of silver nanoparticle along with its characterization and sensing of melamine	Dr. Sonit Kumar Gogoi
14	Nabanita Devi	Synthesis and fluorescence tuning of an organic fluorophore based on cocrystallisation	Dr. Ranjit Thakuria

15	Suchibrata Saharia	Mechanochemical synthesis of ratiometric cocrystals of Aldithiol-4 with cofomers with hydrogen bonding groups	Dr. Ranjit Thakuria
16	Shyam Sundar Saha	Mechanochemical synthesis of a few cocrystals of 4,4'-thioldipyridine using tripodal ligand to explore the possibility of hydrogen bonded organic framework	Dr. Ranjit Thakuria
17	Janapratim Sarma	Meso-Tetraaryl porphyrins and their MoS ₂ nanocomposites	Dr. Tridib Kumar Goswami
18	Mridul Kumar Das	Synthesis and Characterization of a Few Fluorinated High Valent Tin(IV) Porphyrins for their Potential Applications in PDT	Dr. Tridib Kumar Goswami
19	Afruza Aaman Asha	Chalcone-based Cu(II) Complexes with Phenanthroline Bases for Potential Anticancer Applications	Dr. Tridib Kumar Goswami
20	Priti Talukdar	Green Synthesis of Carbon Dots for Sensing Application	Dr. Arabinda Baruah
21	Suprakash Das	Advance structured nano materials for Sensing Application	Dr. Arabinda Baruah
22	Sonali Brahma	Thermodynamics of cold alkali atomic heat engines	Dr. Himangshu Prabal Goswami
23	Saurav Saha	Fluctuations to parameter mapping in quantum heat engine through gradient boost learning	Dr. Himangshu Prabal Goswami
24	Ayesha Touhid	Slow light generation in cold alkali atomic systems	Dr. Himangshu Prabal Goswami
25	Deepjyoti Boruah	Synthesis and characterization of vanadium incorporated ZSM-5 and its study as a catalyst for the epoxidation of cyclohexene	Dr. Dhriti Mahanta