

ASSAM UNIVERSITY SILCHAR
DEPARTMENT OF CHEMISTRY

Project allocation of course CH-403 A, B & C for the session Jan-June, 2020

Names of the supervisor	Names of the student	Project titles
Prof. C.R. Bhattacharjee	Akbar Hussain	Liquid crystal - Gold nanoparticles composites
	Debopriya Chakraborty	Green synthesis strategies and applications of tin oxide (SnO ₂) nanoparticles
Prof. P.C. Paul	Sujata Paul	Long chain amino acid based Ionic Liquid: Synthesis and their properties.
	Sahana Begam	Photoluminescence Schiff base based d- and f- block compound and their applications.
Prof. Sk. Jasimuddin	Rahul Dey	Metal phthalocyanines for electrocatalytic water oxidation reaction
	Sanjoy Kumar	Electrochemical sensing of chlorophenols using cyclodextrin modified electrodes
	Sourav Deb	Pincer metal complexes for electrocatalytic oxygen evolution reaction
Dr. H. Acharya	Farha Shamsi	Application of MOF in dye adsorption/degradation
	Baishali Bhattacharjee	ZIF based coinage metal nanoparticles in catalysis
	Girin Baruah	Layered double hydroxide nanosheet: Synthesis and application
Prof. P. Mondal	Shruti Sharma	N-Heterocyclic Carbene Catalyzed Organic Transformations: A Comprehensive Review
	Riya Chakraborty	Structure, Reactivity and Role of DNA Methyltransferases Inhibitors towards the Development of Human Cancer Therapy
	Deepchand Chauhan	A Detail Study on Boron Nitride Nanotubes as an Efficient Drug Carrier
Dr. D. Sengupta	Rajdeep Gope	A review on the role of 2,3-dihydroquinazolin-4(1H)-one (DHQ) and quinazolinone in drug design: Synthesis of the scaffolds of these benzofused pyrimidines from anthranilamide.
	Tuhina Firdous	Antimicrobial Photodynamic therapy, Properties and Application of Porphyrin as a Photosensitizer
Dr. Sudip Choudhury	Kh. Dinamala Singh	Reporting Molecules used in DNA based Sensors
	Puja Jyoti	Perylene Derivatives, their Structure Activity Relationships and Applications
	Roshan Chanda	Mesogenic Compounds with Heterocyclic Moiety
Dr. Rajib Panchadhayee	Jaheer Ahmed Laskar	Synthesis and reactions of deoxy sugars
	Anwasha Mitra	Polyethylene glycol (PEG) mediated heterocyclic synthesis
	Payel Das	Synthesis of aminosugar: A literature review
	Prasenjit Saha	Amide Functionalised Liquid Crystals- A Review

Dr. M.K. Paul	Hamiduzzaman Mazumder	Triphenylene based materials: Synthesis, Properties and Applications
	Poulomi Choudhury	Azo-Functionalized Bent-core Mesogens
Dr. S.K. Ghosh	Tauhida Khanam Laskar	Gold Nanoparticles in Biology: Beyond Toxicity to Cellular Imaging
	Shehlaz Aktar Lakar	Core-Shell-Corona Polymeric Micelles as a Versatile Template for Synthesis of Inorganic Hollow Nanospheres
	Prakash Kurmi	Synthesis, Characterization and Catalytic Applications of Perovskite Oxides
Dr. T. Sanjoy Singh	Arkadeep Nag	Theoretical and Experimental aspects of proton and Charge transfer Phenomena
	Sourajit Nath	Theoretical and Experimental aspects on Fluorescence resonance energy transfer
	Joyshree Borah	Chemosensors for metal ions