

ASSAM UNIVERSITY SILCHAR
DEPARTMENT OF CHEMISTRY

Project allocation of course CH-403 A, B & C for the session Jan-June, 2019

Names of the Supervisor	Names of the student	Project titles
Prof. C.R. Bhattacharjee	Sangita Deb	Copper(II) complexes of white light emitting Schiff base ligands with long alkoxy arm-synthesis, photoluminescence and mesomorphism
	Rimpi Dey	Synthesis and characterization of homobimetallic oxovanadium(IV) complexes of biphenyl based compartmental Schiff base ligands
	Vishal Mishra	Lichen mediated green access to gold, silver and bimetallic gold-silver nanoparticles: antioxidant, catalytic, and antimicrobial activity
	Puja Saikia	Design of a new rod-like mesomorphic Schiff base ligand and its composites with gold nanoparticles and reduced graphene oxide as dopant
Prof. P.C. Paul	Jonali Bhattacharjee	Studies on tris(hydroxymethyl)aminomethane based Schiff base ligand and its complexes with Cu(II), Zn(II) and VO(II).
	Jakir Hussain	Synthesis, photophysical and mesogenic properties of Cu(II) and Zn(II) complexes of amino acid ester based Schiff base ligands.
	Prajnyajyoti Dutta	Studies of Zn(II) and Fe(II) complexes of macrocyclic Schiff base ligand.
Prof. Sk. Jasimuddin	Priyakhee Sarmah	Electrochemical water oxidation using copper(II) complex modified electrodes
	Bandita Kalita	Electrochemical sensing of p-nitroaniline with ZnS-rGO nanocomposite modified glassy carbon electrode
	Leena Das	Electrochemical detection of Dopamine and Epinephrine using Fe ₃ O ₄ nanoparticles modified electrode
	Munindra Das	Electrochemical oxidation of water at surface anchored Cu(II) and Ni(II) Schiff base complexes
Dr. H. Acharya	Aishee Das	Fabrication of CoO-MnO mixed metal oxide from Co-Mn(Cl) layered double hydroxide and their catalytic application in solvent-free benzimidazole synthesis
	Toma Paul	Layered double hydroxide/ metal organic framework nanocomposites in C-N cross coupling reaction
	Nabaraj Chetri	Graphene oxide supported Layered Doubled Hydroxides in catalytic flavones synthesis

Prof. P. Mondal	Nirmal Das	Synthesis, Characterisation, DFT and Anti-Bacterial activity of Schiff Base complexes of Cu(II) and Co(II) derived from 2-Hydroxy-1-naphthaldehyde with thio urea and 1,3-diamino propane
	Mantu Dey	Design and Synthesis of NLO active Compounds: Theoretical and Experimental Study
	Chitrajit Doley	Synthesis, Characterisation and Catalytic activity of Zeolite encapsulated Fe(acac) ₃ and Cu(acac) ₂ complexes
	Mithun Biswas	Molecular Structure, Non-Linear Optical Activity, Fluorescence property and Anti-Microbial activity of novel Schiff Base and their Transition metal complexes: A Combine Density Functional Theory and Experimental Approach
Dr. D. Sengupta	Rocky Thakur	Introducing New Cationic Sulphonium Porphyrin Photosensitizers: Synthesis, Characterization and Anti-Microbial Activities
	Ajoy Kr. Das	Di- Hydroquinazoline Derivatives: Synthesis, Characterization and Anti- Bacterial Activity
	Aditya Singha	Synthesis, characterization and Anti- Microbial Activitiy Studies of Di- Quinazoline Derivatives
Dr. Sudip Choudhury	Alakananda Paul	Design and synthesis of xanthene derivatives and study their mesogenic properties
	Zakir Hussain Laskar	L-proline catalyzed synthesis of pyrrole-2-one containing coumarin moietyz
	Devi rani Doley	Synthesis, Luminescence and Z scan study of some Chalcone derivatives
	Ravi Shankar Mohanta	Design and Synthesis of Benzothiazole based Schiff Base and study their pH responsive Fluorescence
Dr. Rajib Panchadhayee	Amit Kr. Thakur	Synthesis of D- Galactosamine monosaccharide building block related to cell-wall of <i>Providencia Alcalifaciens O33</i>
	Tapossi Krihna Neog	Synthesis of monosaccharide building towards the synthesis of tetrasaccharide from triterpenoid saponine of Albiziz Lebbeck (L) benth
	Mousumi Das	Base Mediated selective alkylation of carbohydrates
Dr. M.K. Paul	Sabana Aktar Juhara	Synthesis, characterization and mesomorphic behaviour of dimer composed of hockey stick shaped monomer
	Homen Dahal	
	Jatin Borah	

Dr. S.K. Ghosh	Debarun Sen	Photoinduced Transformation of One Dimensional Plasmonic Polymers to Nanorods
	Pinki Dhar	Laser-Induced Heating of Shape-Selective Gold Nanostructured Aggregates
	Udit Bailung	Solvent Dielectric Sensitivity of Noble Metal Nanoparticles
	Karishma Baruah	Size Dependent Optical Properties of Zinc Oxide Nanocolloids
Dr. T. Sanjoy Singh	Rimjim Chetia	A comparative study on fluorescence behavior of Schiff Base in different bio-mimicking aqueous interfaces
	Sushant Sharma	Photoinduced properties of a donor-acceptor based Schiff base: Evidences of charge transfer emission
	Ranuj Pegu	Photoinduced charge transfer emission of a donor-acceptor based Schiff base: A fluorometric approach
	Suman Jyoti Saikia	Fluorescent chemosensor based on donor-acceptor Schiff base for selective detection of Zn^{2+} and Cu^{2+}