

**ASSAM UNIVERSITY SILCHAR
DEPARTMENT OF CHEMISTRY**

Project allocation of course CH-403 A, B & C for the session Jan-June, 2016

Supervisor	Name of the Students	Project titles
P. Mondal	Md. Shamim Ahmed Khan	
S. K. Ghosh	SushmitaSingha	Localised Surface Plasmon Resonance of Normal and Inverted Core-Shell Nanostructures
C. R. Bhattacharjee	Arpita Dey	Design, synthesis, characterization and properties of a compartmental Schiff base ligand and its complexes of Ni(II), Pd(II), Pt(II) and Zn(II)
P. C. Paul	Deepsikha Dutta	Metal complexes of o-vanillin based [NO] donor Schiff base ligand: Synthesis, characterization and antimicrobial study
H. Acharya	Bikash Chetry	Functional graphene oxide by thiol-ene click reaction
S. Choudhury	Srikant Kalwar	
S. Choudhury	Saurav Das	
S. K. Ghosh	Mohona CHakraborty	Electromagnetic Field at the Tips of Shape Selective Gold Nanorods
S. Choudhury	Shamima Sultana	
P. Mondal	Ikbal Ahmed	
M. K. Paul	Jiaul HoqueTaludar	
C.R. Bhattacharjee	Arghyaraj Bhattacharjee	
S. K. Ghosh	Bhargob Kr. Dutta	Solvent Effect on the Localized Surface Plasmon Resonance of Aspect Ratio Dependent Gold Nanorods
C. R. Bhattacharjee	Debasish Bora	Self assembled liquid crystal-gold nanoparticles hybrid material based on tailor made Schiff base ligand
T. S. Singh	Dhanjit Deka	Synthesis, characterization and spectroscopic investigation on donor-acceptor Schiff base model Compounds
R. Panchadhayee	Fillip Kr. Sarkar	HClSO ₃ Immobilized on silica: A heterogeneous catalyst for acetylation and Fischer type glycosylation.
D. Sengupta	Biswajit Changmai	Functionalization of Magnetite Nanoparticles with a Hydrophilic, MESO-Pyridyl Porphyrin Derivatives
Sk. Jasimuddin	Rajib Ray	Electrocatalytic oxidation of water by a manganese acetate complex at neutral pH

R. Panchadhayee	Samina Easmin	P ₂ O ₅ -Al ₂ O ₃ : A heterogeneous catalyst for the synthesis of Benzimidazole and Benzothiazole derivatives.
Sk. Jasimuddin	Jayashree Roy	Copper ternary complex as an efficient electrocatalyst for water oxidation at a neutral pH
M. K. Paul	Dimpi Moni Nath	
D. Sengupta	Deepshikha Buragohain	Synthesis of Quinazoline and its Derivatives with Flexible Linkers
H. Acharya	Kiran Devi	Silver Nanoparticles (Ag NPs) on Polystyrene@MOFs Core-Shell Microspheres: Synthesis, Characterization and Catalytic Application
H. Acharya	Purabi Baishya	Fe ₃ O ₄ nanoparticles supported metal organic frameworks (ZIF-8, MIL-53) in ibuprofen release and sensing
M. K. Paul	Arif Nawaz Khan	
T. S. Singh	Ratul Das	Fluorescence chemosensor based on donor acceptor type Schiff base for selective detection of Zn ²⁺ and Cu ²⁺
T. S. Singh	Priyanka Sarkar	Fluorescence behavior of Schiff base in different Bio-mimicking aqueous interfaces
Sujit K. Ghosh	Priyanka Dowerah	Localized Surface Plasmon Resonance of Size-Selective Gold Nanoparticles Dimers and Trimers
Dr. Sk. Jasimuddin	Runumi Das	Electrocatalytic oxidation of water using phosphomolybdic acid nanoparticles modified gold electrode
P. Mondal	Abhinash Dutta	
D. Sengupta	Kankanjyoti Goswami	One Pot Multicomponent Pyrimidines With Two Sterically Challenged Aromatic Aldehydes and Unconventional Active Methylene Compound: Synthesis and characterization
P.C. Paul	Chiranjit Chanda	Synthesis and characterization of methyl ester of alanine based Schiff base ligand bearing terminal alkoxy group and their metal complexes with Cu(II) and Zn(II).