

DEPARTMENT OF CHEMISTRY

Sl. No.	Name of the Faculty	RESEARCH INTERESTS
1.	Dr. L. CINDRELLA	Development of catalysts, membrane electrode assembly for PEM fuel cells, energy materials for solar thermal and photovoltaic conversion systems and their real time evaluation, Fuel cells, Conducting polymers, Solar selective coatings, Computational Modeling
2.	Dr. S. ANANDAN	Nanomaterials, sonochemistry, photochemistry, photocatalysis, electrocatalysis, Fuel cell catalysts, photosplitting of water molecules, biomolecule interactions, sensors, supercapacitors, OLED applications, organic, inorganic & polymer solar cells.
3.	Dr. R. KARVEMBU	Coordination Chemistry Organometallic Chemistry Catalysis Bioinorganic Chemistry
4.	Dr. S. VELMATHI	Synthetic Organic Chemistry, sensors, Photocatalysis, Porous materials
5.	Dr. V. M. BIJU	Flow injection analysis using novel Solid phase extractants; Metal ion, molecular and metal–chelate imprinted polymers; Electrochemical sensors and Luminescence technology.
6.	Dr. A. SREEKANTH	Inorganic Chemistry, Organometallic Chemistry, Bio Inorganic Chemistry Corrosion
7.	Dr. GANESH CHANDRA NANDI	Metal catalyzed organic transformation towards the synthesis of bio-active molecules, Asymmetric catalysis, Green synthesis, Heterocyclic chemistry
8.	Dr. SOMENATH GARAI	Inorganic Nano chemistry for Energy Applications, Catalysis Under the Confined Space, Single crystal X-ray Diffraction
9.	Dr. SUNANDAN SARKAR	Electronic structure theory, Density functional tight binding method (DFTB), Semiconductor nanostructures, Inorganic-organic hybrid nano systems, Pi-conjugated organic molecules and related nanoscale systems, Excited state properties, Charge and energy transfer, Modeling of functional materials for the improvement of device performances.

10.	Dr. SARTHAK MANDAL	<ul style="list-style-type: none">• Ultrafast Photo-physical and Dynamical Processes in Chemistry, Materials and Biology.• Building Bio-mimetic Artificial Photosynthetic Systems and Their Photoelectronic Applications.• Photoelectrochemical Cell Development for Conversion of Light Energy into Electricity and Fuels• Molecular biophysics and biochemistry
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