

**Vacancy of Full time PhD student in Chemical Engineering Department with the following faculty Members**

Name of faculty Member	Proposed Research Area
Dr. P.A. PARIKH	
Dr. M. CHAKRABORTY	Separation Processes and Nanomaterials
Dr. MAUSUMI MUKHOPADHYAY	Nanocomposites for Membrane Separations, Energy Storage and Biosensor
Dr. J. K. PARIKH	Biofuels and Energy from renewable/waste materials, Catalysis Environmental Technology & Engineering, Extraction of various components using novel techniques, Studies on micellar systems and its applications, Green Chemistry & Engineering.
Dr. C. M. PATEL	Production of nanomaterials by stirred media milling for applications in nanodrugs, lithium-ion batteries, supercapacitors. Liquid phase exfoliation of graphene/layered materials nanosheets Powder chracterization and handling DEM simulations of bulk solids Molecular simulation of nanocomposites.
Dr. A. K. JANA	CFD Based Modeling and Simulation Liquid-liquid and gas-liquid two-phase flows Drag Reduction in Pipeline Transportation Packed and Expanded Bed Operations Heterogeneous catalysis in Petroleum Refining and Petrochemicals
Dr. A. A. MUNGRAY	Wastewater treatment, Membrane Separation process, Microbial fuel cell (MFC), Forward osmosis (FO), Osmotic microbial fuel cells (OMFCs), Polymer nanocomposite
Dr. A. K. MUNGRAY	Wastewater treatment, anaerobic& Aerobic treatment, Upflow anaerobic sludge blanket (UASB) reactor, Microbial fuel cell (MFC), Nanotechnology, Decentralization of wastewater, Hybrid systems, Waste to Energy conversion
Dr. S. R. PATEL	Acoustic and hydrodynamic cavitations assisted Reactive crystallization of components. Process intensification using micro reactors and membrane technology, Drug delivery systems and kinetics
Dr. V. N. LAD	1. Nanotechnology; 2. Complex Fluids; Soft Materials and Colloids; 3. Microfluidics; 4. Separation Techniques.
Dr. S. GUPTA	