

Department of Chemistry

Research Expertise List

Sl. No.	Research Area	Name of Faculty
1.	Organic Chemistry / Analytical Chemistry, Nuclear Chemistry, Environmental Chemistry, Nanotechnology & Luminescence/ Drug designing & DNA binding, Quantum/Carbon Dots	Dr. (Mrs.) Fahmida Khan
2.	Environmental Analytical Chemistry, Nano-Science and Nanotechnology	Dr.(Mrs.) Kavita Tapadia
3.	Synthesis and Characterization of Nanomaterials and Polymer Nanocomposites Environmental Science	Dr. S. P. Mahapatra
4.	Polylactic acid and Chitosan based drug carriers; Catalysis; Carbon dioxide sequestration; Interpenetrating polymer network; Biodegradable polymers; Conducting polymer for energy storage device; Inorganic-Organic hybrids	Dr. Tungabidya Maharana
5.	Synthetic organic chemistry/ heterocyclic chemistry	Dr. Santhosh Penta
6.	Crystal Engineering and Hydrogen Bonding Interaction studies in metal-complexes and their bio-medical applications; Coordination Polymers and Metal-Organic Framework	Dr. Kafeel Ahmad Siddiqui
7.	Redox Chemistry, Nanocatalysis, Chemical Kinetics, Surface Chemistry, Nanomaterials and their applications, Green Chemistry, Sustainability, Environmental Science, Environmental Remediation, etc.	Dr. Santosh Bahadur Singh
8.	Analytical And Environmental Chemistry	Dr.(Mrs.)Sonalika Agrawal
9.	Physical Chemistry, Computational Chemistry, Protein-ligand interaction, Molecular Docking, DFT, Molecular Dynamics Simulation, Computer Simulations of Structure and Dynamics of Hydrogen Bonded liquids	Dr. Subrat Kumar Pattanayak
10.	Gas phase kinetics, Laser Induced Fluoresce, Atmospheric Chemistry, and Computational Chemistry	Dr. Manas Ranjan Dash
11.	Surface chemistry, electrochemistry, Drug delivery	Dr. Nariman khan