

Major Thrust of Research Areas:

- ❖ *Development of Novel Reactors, Reactions and Separation Processes*
- ❖ *Computational Fluid Dynamics for Multiphase Systems*
- ❖ *Analysis of Multiphase Phenomena*
- ❖ *Novel Catalytic Materials and Processes*
- ❖ *Green Technology*
- ❖ *Surfactant Science and Hydrotrophy*
- ❖ *Development of Organic Chemical Processes*
- ❖ *Adsorptive and Chromatographic Separations*
- ❖ *Cavitation Phenomena, Sonochemistry*
- ❖ *Drying of industrial and food products*
- ❖ *Industrial Crystallization and Filtration*
- ❖ *Advanced Separation Techniques*
- ❖ *Energy Engineering*
- ❖ *Material Science*
- ❖ *Biotechnology*
- ❖ *Nanoscience and Nanotechnology*
- ❖ *Biochemical Characterization*
- ❖ *Technologies for society such as energy efficient cooking, food processing and*
- ❖ *Preservation, water treatment, waste utilization*

