



**Dr. Indranil Chakraborty**

**Department:** Chemistry

**Qualification:** M.Sc., Ph.D.

**Designation:** Assistant Professor

**Specialization:** Physical Chemistry

**Area of Interest:**

Polymer-surfactant interaction with special reference to biopolymers and coacervation.

Thermodynamics of organized surfactant media, like micelles, microemulsions and liposomal systems.

**Nanomaterials:**

Preparation of noble metal nanomaterials and their composites in organized media and control of their size distribution and shapes using different techniques. The surface modification of such nanomaterials with biocompatible ligands can open a new dimension in imaging and therapeutic regime.