## Synthesis and MR Image Investigation on MRI Contrast Agent-Entrapped Mesoporous Silica Nanoparticles Funding agency: DBT

PI: Professor Chandan Mukherjee, Department of Chemistry

**Theme:** Theranostic Applications.

**Objective:** Development of Mn(II) and Gd(III) Complexes-Entrapped Mesoporous Nanoparticles (NPs) as Magnetic Resonance Imiging (MRI) Contrast Agents.

Deliverable: Early Stage Diagnosis and healing of many Diseases.

Achievements: 1. Complex Molecules-Incorporated Porous NPs Result High Contrast in Images.

2. NPs Internalization within HeLa Cells.





