

Chirantan Roy Choudhury, Ph.D. (Jadavpur University)

Professor

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Research Areas: Coordination chemistry, biological study and nanocomposites

Research Interest:

1. Synthesis, structural characterization of new multinuclear metal complexes, their magneto-structural correlations, along with the DFT calculations to establish the probable pathways for the exchange of magnetic interactions.
2. Application of these metal complexes in the field of bioinorganic Chemistry in vitro as well as in vivo and their possible use for the anti-cancer drug.
3. Development of Dye sensitized solar cells using functionalized metal complexes.
4. Development of Sol-Gel derived inorganic-organic nanocomposites, dye-doped nanomaterials, and metal incorporated core-shell nanoparticles.

Member of Professional Bodies:

Life member, Indian Association for the Cultivation of Science, Jadavpur, Kolkata – 700 032.

Life member of Indian Chemical Society, Kolkata.

Academic Qualification:

1. **Ph.D.**- Jadavpur University, Kolkata, 2003
2. **M.Sc. in Chemistry**- Jadavpur University, Kolkata, 1999
(**Specialisation: Inorganic Chemistry**)
3. **B.Sc. in Chemistry:** Jadavpur University, Kolkata, 1997

Professional Recognition, Fellowship and Award received:

1. Research Associate (CSIR), Jadavpur University, Year: 2004.
2. Best Scientist award in D.M.S.R.D.E., Defence Research & Development Organisation, Govt. of India, for the work on “Development of Sol-Gel derived Inorganic Organic Nanocomposites” (Ministry of Defence, Kanpur – 208013, Uttar Pradesh), Year: 2006.

