

Faculty Profile



Name: Dr. GOURISANKHAR BRAHMA

Designation: Assistant Professor

Teaching Areas: Engineering Thermodynamics; Physical Chemistry; Material Science; Environmental Science

Research Interests:

- Study of kinetics and mechanism of fast reactions involving bio molecules,
- Synthesis and characterization of bioinorganic complexes and study of their antioxidant, anti-inflammatory, anti-tumour, and anticarcinogenic activities;
- Method development on chromatographic separation techniques of oils, petroleum products, biological extracts, various drug formulations

Education:

- Ph.D., Utkal University, Bhubaneswar, Orissa ,2002
- M.Phil., Utkal University, Bhubaneswar, Orissa,1995
- M.Sc., Utkal University, Bhubaneswar, Orissa,1993

Professional Experience : 11 years of teaching & 1 year of post PhD research experience

1. 2004-till date: Assistant Professor, FST, IFHE, Hyderabad, A.P.
2. 2003-2004: Lecturer, Biju Pattnayak University of Technology, Rourkela
3. 2002 - 2003: Research Associate (CSIR) at Utkal University & IACS Kolkata

Research / Selected Publications:

1. Trilochan Swain and **Gouri S Brahma**., "Synthesis, Characterization and Thermal property of Phosphate and Sulfate Mixtures," **J Inorg Organomet Polym**; DOI 10.1007/s10904-016-0454-z, Jan 2017, Vol 27, Issue 1, PP.No.131-142
2. Trilochan Swain and **Gouri S Brahma**., "Low Temperature Property of Metaphosphatecopper(II/I) and Sulfate Mixtures," **AIP Proceedings**. 1724, 020100-1-020100-7;doi 10.1063/1.4945220, August 2015
3. Suprava Nayak, **Gouri S Brahma** and K Venugopal Reddy, " Kinetics and Mechanism of the Reaction of Dichlorotetraaqua- ruthenium(III) and Thiols," CSIRO Publishing, **Australian. J.Chem**, Vol. 65, pp- 113-120, May 2012
4. Suprava Nayak, **Gouri S Brahma**, K Venugopal Reddy & K Veera Reddy, "Oxidation of glyoxylic acid by a mononuclear manganese(IV) complex of 1,8-bis(2-hydroxybenzamido)-3,6-diazaoctane: A kinetics and mechanistic study," ELSEVIER, **Polyhedron**, Vol. 30(10), pp-1637-1645, Nov. 2011
5. **Gouri S. Brahma** and P. Mohanty, "Kinetics and mechanism of Complex formation between Pentamminesuccinatocobalt(III) and Gallium(III)," **Polish J. Chem.**, Vol. 77, pp-1221-1228, April 2003