

Dr. Sujit Kumar Dutta
M.Sc, Ph.D
Associate Professor
Department of Chemistry
Ramananda College, Bishnupur
Bankura, West Bengal, India
[E-mail:- sujitdutta64@yahoo.co.in](mailto:sujitdutta64@yahoo.co.in)



AREAS OF INTEREST/SPECIALISATION

Studies on Magneto-Structural Correlation of polynuclear complexes, Valence delocalized iron complexes, Bioinorganic chemistry and photochemical oxidation of Fe complexes, Nitro Vasodilators.

ACADEMIC ACHIEVEMENTS

- M. Sc in 1989
- Ph.D. in 1996

RESEARCH EXPERIENCE

From	To	Name and Address of Company / Organization	Position held
June 1991	October 1996	Indian Association for the Cultivation of Science	RF
November 1996	January 1998	Indian Association for the Cultivation of Science	PDF
February 1998	June 1999	Max-Planck Institute für Strahlenchemie, Mülheim an der Ruhr, Germany	PDF
September 2003	August 2005	UWI, Mona Campus, Jaimica West Indies	PDF

ACADEMIC EXPERIENCE

- 20 years teaching experience in *Chemistry* at B. Sc. Honours and pass level.

ADMINISTRATIVE EXPERIENCE

Member of Governing Body (November 2009 to January 2013), Ramananda College, Bishnupur, Bankura.

Secretary, Teachers' Council (April 2014 to March 2016), Ramananda College, Bishnupur, Bankura.

PUBLICATIONS

(Journals/Proceedings/Chapter in Books)

Publications: (Selected):

2009

1. Methoxo-bridged diiron(III) complex of m-xylylenebis(acetylacetonate) showing remarkable thermal stability for encapsulated dichloromethane, S. Dutta, P. Biswas, S.K. Dutta and K. Nag, *New Journal of Chemistry* 2009, 33, 847.

2007

2. Formation of oxo-bridged tetrairon(III) complexes mediated by oxygen activation. Structure, spectroscopy, magnetism and electrochemistry, S.K. Dutta, M. Ghosh, P. Biswas, U. Flörke, C. Saal, W. Haase and K. Nag, *New Journal of Chemistry* 2007, 31, 93.

2006

3. Synthesis, Reactivities, and Magneto-Structural Properties of Fe^{III}, Fe^{III}-O-Fe^{III}, and Zn^{II}Fe^{III}-O-Fe^{III}Zn^{II} Complexes of a Tertiminodiphenolate Macrocyclic, P. Biswas, M. Ghosh, S. K. Dutta, U. Flörke and K. Nag, *Inorg. Chem.* 2006, 45, 4830.

2000

4. 1,2-Bis(pyridine-2carboxamido)benzenate(2-), (bpb)₂: A Noninnocent Ligand, Syntheses, Structures, and Mechanisms of formation of [(n-Bu)₄N][Fe₂IV(□-N)(bpb)₂(X)₂] (X= CN⁻, N₃⁻) and the electronic structures of [M^{III}(bpb_{ox1})(CN)₂] (M= Co, Fe), S. K. Dutta, U. Beckmann, E. Bill, T. Weyhermüller and K. Wieghardt, *Inorg. Chem.*, 2000, 39, 3355.

1998

5. Stoichiometric and Metal-Deficient Copper(II) Complexes of a Dinucleating Macrocyclic Ligand. Structural Studies, S.K. Dutta, U. Flörke, S. Mohanta and K. Nag, *Inorg. Chem.* 1998, 37, 5029.

1997

6. Macrocyclic Cu₂^{II}, Cu₄^{II}, Ni₃^{II} and Ni₄^{II} Complexes: Magnetic Properties of Tetranuclear Systems, S. Mohanta, K.K. Nanda, R. Werner, W. Haase, A.K. Mukherjee, S.K. Dutta and K. Nag, *Inorg. Chem.*, 1997, 36, 4656.

7. Valence-Delocalized and Valence-Trapped Fe^{II}Fe^{III} Complexes: Drastic Influence of the Ligands, S.K. Dutta, J. Enslin, R. Werner, U. Flörke, W. Haase, P. Gülich, and K. Nag, *Angew. Chem., Int. Ed. Engl.*, 1997, 36, 152.

1996

8. Homo- and Hetero- dinuclear metal Complexes of Bridging Ligands containing Phenol and Azole moieties. Structure, Spectroscopy, Electrochemistry and Magnetochemistry, S.K. Dutta, K.K. Nanda, U. Flörke, M. Bhadbhade and K. Nag. *J. Chem. Soc., Dalton Trans.*, 1996, 2371.

9. Magnetic Investigations on a Valence-Delocalized Dinuclear Fe(II)-Fe(III) Complex, C. Saal, S. Mohanta, K. Nag, S.K. Dutta, R. Werner, W. Haase, E. Duin, and M.K. Johnson, *Ber. Bunsenges. Phys. Chem.*, 1996, 100, 2086.

10. Model Compounds for Iron Proteins Structures, Magnetic, Spectroscopic and Redox Properties of $Fe^{III}M^{II}$ and $[Co^{III}Fe^{III}]_2O$ Complexes with (η -Carboxylate)bis(η -phenoxo)dimetallate and (η -Oxo)diiron(III) Cores. S.K. Dutta, R. Werner, U. Flörke, S. Mohanta, K.K. Nanda, W. Haase and K. Nag. *Inorg. Chem.* 1996, 35, 2292.

PRESENTATION

2005

Paper in Symposia/Conferences:

230th ACS National Meeting, Washington, DC, USA, Aug.28 – Sept.01, 2005.

Presented Paper- Kinetics and Generalized Mechanism of Transnitrosation Reaction.

S. K. Dutta and T. P. Dasgupta. National Meeting & Exposition Program; BIOL 119, 18-Tech

MEMBER OF PROFESSIONAL BODIES

Life member, Indian Association for the Cultivation of Science, Jadavpur, Kolkata 700032.

PERSONAL DETAILS IN BRIEF

Date of Birth : 04.03.1964
Marital Status : Married
Nationality : Indian
Current Status : Associate Professor
Address : Malanchapara, Bishnupur
Bankura, 722122