



PROFESSOR SUSHIL KUMAR GUPTA

Professor Sushil Kumar Gupta (born February 10, 1958) obtained his B.Sc.(Hons.) Chemistry and M.Sc. (Inorganic Chemistry) from L. N. Mithila University, Darbhanga and Ph.D. (Coordination Chemistry) from Indian Institute of Technology, Delhi in 1990. He then stayed at IIT Delhi as a Postdoctoral Research Associate of the Council of Scientific and Industrial Research, New Delhi before he joined Jiwaji University, Gwalior as Lecturer in September 1991. He was promoted to Reader in January 2000 and Professor in January 2008. He was awarded a Commonwealth Academic Staff Fellowship (1996-1997) and J W T Jones Travelling Fellowship (2001) to work in the group headed by Professor Colin Eaborn, FRS and Dr J. David Smith, University of Sussex, Brighton, U.K. In 1997 he has been admitted as a Member of The Royal Society of Chemistry, UK. He has completed projects from DRDO, DST, CSIR, UGC, MPCST including International Research Fund grant from Royal Society of Chemistry, UK. He has published several research papers in National and International Journals of repute. He has supervised a number of Ph.D. and M.Phil students. Currently, a number of research students are working under his supervision. His research interests lie in the field of organometallic chemistry of bulky organosilicon ligands including lanthanoides and coordination chemistry of transition metals with particular reference to structure, reactivities and spectroscopic properties. Currently, he is involved in establishing structural factors for biologically significant Schiff base complexes.

Selected Publications

1. Synthesis and structure of mononuclear copper(II) complexes with acyclic Schiff base ligands containing organotellurium substituents: a comparative study with selenium analogues, *J. Coord. Chem.*, **2010**, 63, 4088.
2. Synthesis, structure and DNA binding studies of a mononuclear copper(II) complexes with mixed donor macrocyclic ligand, 2,6-bis({N-2&3-(phenylselenato)alkyl}benzimidoyl)-4-methylphenol, *Polyhedron*, **2009**, 28, 2591.
3. The effect of diamine chain length on the formation of Co^{III} Schiff base complexes: The unexpected formation of a neutral complex containing a tetradentate ligand, *Inorg. Chim. Acta*, **2008**, 361, 2139.
4. Synthesis, structure and DNA binding studies of a mononuclear cobalt(III) complex with a NNO donor Schiff base derived from 4-methyl-2,6-dibenzoylphenol and ethane-1,2-diamine, *Inorg. Chim. Acta*, **2007**, 360, 2145.

5. Reaction of tris{diphenylphosphinodimethylsilyl}methane with molybdenum hexacarbonyl and deprotonation to give a salt with a planar carbanion. Crystal structures of $(\text{Ph}_2\text{PMe}_2\text{Si})_3\text{CH}$ and $[\text{Li}(\text{tmen})_2][\text{C}(\text{SiMe}_2\text{PPh}_2)_3]$ tmen = N,N,N',N''-tetramethyl-1,2-ethanediamine, *J. Chem. Soc., Dalton Trans.*, **1999**, 831.

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