Personal Profile

NAME	Dr. Tapan Kumar Si
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Highest qualification	M.Sc., Ph.D.
TEACHING EXPERIENCE	11 Years
TOPICS TAUGHT	General Inorganic Chemistry
RESEARCH EXPERIENCE	Doctoral research 5 years and post-doctoral research 3 years.
REASEARCH AREA	Coordination Chemistry, Catalysis,Hydrocarbon Oxidation, and bio in Bio-inorganic Chemistry
Award and Recognition (if any)	JRF (UGC) 2 Years, SRF (UGC) 3 Years, CSIR Research Associateship 3 Years.
Membership (if any)	Life member of IACS, Kolkata, Member of Breakthrough Science Society.
Other activity (if any)	Propagation of scientific temperament and scientific outlook through science popularization
List of Publications (chronological order-latest to oldest) (books, book chapters, journal and conference publications)	**1.** ***An Amino Acid Coordinated Vanadium (IV) Complex: Synthesis, Structure, DFT Calculations and VHPO Mimicking Catalytic Bromoperoxidation of Organic Substrates.*** UrmilaSaha, **Tapan Kr. Si**, Prasanta Kr. Nandi, Kalyan K. Mukherjea ***Inorganic Chemistry Communications*****,** **2013,** *38***,** 43-46**.(Journal- Elsevier***)* 2. ***Synthesis, structural characterization, VHPO mimicking peroxidativebromination and DNA nuclease activity of oxovanadium(V) complexes*****.** SwarupPatra, SuparnaChatterjee,**Tapan Kr. Si**and Kalyan K. Mukherjea, ***Dalton Trans***, **2013**,*42*, 13425-13435. (**Journal - Royal Society of Chemistry**) 3. ***Synthesis, Structural Characterization and Catalytic Activity of a Multifunctional Enzyme Mimetic Oxoperoxovanadium(V) Complex***. *T***apan Kr. Si**, Shiv Sankar Paul,Michael G.B. Drew and Kalyan K. Mukherjea.***Dalton Trans,*** **2012**, *41*, 5805-5815. (**Journal - Royal Society of Chemistry**) 4. ***Peroxidativebromination and oxygenation of organic compounds: synthesis, x-ray crystal structure and catalytic implications of mononuclear and binuclear oxovanadium(V)***

complexes containing Schiffbase ligands. **Tapan Kr. Si*,** Michael G.B. Drew and Kalyan Kumar Mukherjea; ***Polyhedron,*****2011**,*30*, 2286–2293**.(Journal- Elsevier)**

5. ***Novel Supramolecular Network in Tri- and Mono-nuclear Oxovanadium(V)-Salicyl-hydroximate: Synthesis, Structure and Catalytic Oxidation of Hydrocarbons using H_2O_2 as Terminal Oxidant*****.*** **Tapan Kr. Si**, SantuChakraborty, Alok K. Mukherjee , Michael G.B. Drew and Ramgopal Bhattacharyya; ***Polyhedron,*** **2008**, *27*, 2233-2242**(Journal - Elsevier**)

6. ***Homogeneous Selective Peroxidic Oxidation of Hydrocarbons using and Oxovanadium(V) Based Catalyst*** Tapan Kr. Si, **Krishna Chowdhury, Monika Mukherjee, DulalC.Bera and Ramgopal Bhattacharyya;***Journal of Molecular Catalysis A: Chemical,* 2004*,* ***219,*** **241-247**. (Journal - Elsevier)