

Brief Profile

Name: Dr. Sharmila Bhattacharya

Designation: Associate Professor

Department: Chemistry

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Highest Qualification (Year and Name of the University or Institute if applicable):

Ph. D. (2006, University of Calcutta)

Teaching Experience: 27 years

Subjects Taught: (Mention broad areas only): Inorganic Chemistry

Vidwan id : 494755

Research Experience: 10 years

Research Interest: Coordination Chemistry

Member of Professional Bodies: Life member, Indian Chemical Society

List of Selected Publications:

1. **S. Bhattacharya** and T. Ghosh

Ind. J. Chem., 1998, **37A**, 730-732.

A mixed-ligand oxovanadium(V) complex in a relatively unfavourable environment.

2. **S. Bhattacharya** and T. Ghosh

Ind. J. Chem., 1999, **38A**, 601-603.

Mixed-ligand oxovanadium(IV) complexes with salicylic acid and N,N bidentate ligands.

3. **S. Bhattacharya** and T. Ghosh

J. Ind. Chem. Soc., 1999, **76**, 373-377.

- Synthesis and characterization of oxovanadium(IV) complexes with tridentate ONO donor azo ligands.
4. **S. Bhattacharya**, T. Ghosh and K. R. Sur
J. Ind. Chem. Soc., 2000, **77**, 59-61.
Chemistry of alkoxo bonded oxovanadium(V) complexes incorporating azophenolcarboxylates and ethylene glycol.
 5. **S. Bhattacharya** and T. Ghosh
Trans. Met. Chem., 2002, **27**, 89-94.
Synthesis, spectral and electrochemical studies of mixed-ligand oxovanadium(IV) and oxovanadium(V) complexes incorporating tridentate ONO donor azophenolalcoholate/aldiminealcoholates.
 6. T. Ghosh, C. Bandyopadhyay, **S. Bhattacharya** and G. Mukherjee
Trans. Met. Chem., 2004, **29**, 444-450.
Synthesis, spectral and electrochemical studies of mixed-ligand oxovanadium(IV) and oxovanadium(V) complexes incorporating tridentate ONO donor Schiff base of acetylacetone and benzoylhydrazine.
 7. T. Ghosh, **S. Bhattacharya**, C. Bandyopadhyay and G. Mukherjee
J. Chem. Res., 2004, 350-352.
Ligand controlled synthesis of mixed-ligand oxovanadium(V) and oxovanadium(IV) complexes.
 8. T. Ghosh, **S. Bhattacharya** and G. Mukherjee
J. Ind. Chem. Soc., 2004, **81**, 449-453.
Ligand dependent metal-metal interaction in mixed-ligand oxovanadium(IV) complexes with N,O donor ligands.
 9. T. Ghosh, **S. Bhattacharya**, A. Das, G. Mukherjee and M. G. B. Drew
Inorg. Chim. Acta, 2005, **358**, 989-996.
Synthesis, structure and solution chemistry of mixed-ligand oxovanadium(IV) and oxovanadium(V) complexes incorporating tridentate ONO donor hydrazone ligands.
 10. T. Ghosh, A. Roy, **S. Bhattacharya** and S. Banerjee
Trans. Met. Chem., 2005, 30, 419-425.
A family of mixed-ligand oxovanadium(V) complexes incorporating tridentate ONO donor hydrazone ligands derived from acetylhydrazide and 2-hydroxybenzaldehyde/2-hydroxyacetophenone.