Kisholoy Bhattacharya, Ph. D.
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Objective

To exert my skills and experience in Chemistry to contribute effectively to organizational success while enhancing my professional growth and expertise.

Academic Qualifications:

Ph.D. in Coordination Chemistry **2007-2013**
Dept. of Inorganic Chemistry
Indian Association for the Cultivation of Science (Jadavpur University)
Thesis title: **Studies on Oxovanadium complexes with Multiple Metal Centres**.

M.Sc. in Chemistry **2004-2006**
University of Calcutta
Specialization in Inorganic Chemistry

B.Sc. in Chemistry **2001-2004**
RKMVC College, Rahara
University of Calcutta

Work Experience

a) Academic Experience

Assistant Professor (Grade III) **1st August, 2024 - Present**
Dept. of Chemistry, School of Basic and Applied Sciences, Adamas University

Assistant Professor (Grade I) **5th June, 2017- 31st July, 2024**
Dept. of Chemistry, School of Basic and Applied Sciences, Adamas University

Postdoctoral fellow **2014-2017**
DR. D. S. Kothari Postdoctoral fellow at Department of Chemistry, University of Calcutta.
Project: **Multinuclear Complexes with NNOO donor Mannich base ligands**.

b) Administrative Experience

Academic Coordinator, Department of Chemistry, School of Basic and Applied Sciences, Adamas University.
School level coordinator of NAAC criteria 2.0
Timetable coordinator, Department of Chemistry, School of Basic and Applied Sciences, Adamas University.

Publications

1. P.B. Chatterjee, S.M.T. Abtab, **K. Bhattacharya**, A. Endo, E.J. Shotton, S.J. Teat and M. Chaudhury. *Inorganic Chemistry*, **2008**, *47*, 8830-8838. ISSN: 0020-1669. I.F.- 4.825
2. P.B. Chatterjee, **K. Bhattacharya**, N. Kundu, K.Y. Choi, R. Clérac and M. Chaudhury. *Inorganic Chemistry*, **2009**, *48*, 804-806. ISSN: 0020-1669. I.F.- 4.825
3. A. Audhya, M. Maity, **K. Bhattacharya**, R. Clérac, and M. Chaudhury. *Inorganic Chemistry*, **2010**, *49*, 9026-9035. ISSN: 0020-1669. I.F.- 4.825
4. A. Audhya, **K. Bhattacharya**, M. Maity and M. Chaudhury. *Inorganic Chemistry*, **2010** *49*, 5009-5015. ISSN: 0020-1669. I.F.- 4.825
5. P. B. Chatterjee, A. Audhya, S. Bhattacharya, S. M. T. Abtab, **K. Bhattacharya** and M. Chaudhury. *Journal of the American Chemical Society*, **2010**, *132*, 15842-15845. ISSN: 0002-7863, I.F.- 14.612
6. P. B. Chatterjee, **K. Bhattacharya** and M. Chaudhury, *Coordination Chemistry Reviews*, **2011**, *255*, 2150-2164. ISSN: 0010-8545. I. F. – 15.367

7. **K. Bhattacharya**, M. Maity, D. Mondal, A. Endo and M. Chaudhury. *Inorganic Chemistry*, **2012**, *51*, 7454-7456. ISSN: 0020-1669. I.F.- 4.825
8. S.M.T. Abtab, M. Maity, **K. Bhattacharya**, E.C. Sañudo and M. Chaudhury. *Inorganic Chemistry*, **2012**, *51*, 10211-10221. ISSN: 0020-1669. I.F.- 4.825
9. N. Kundu, **K. Bhattacharya**, S.M.T. Abtab, M. Chaudhury Tetrahedron Letters, **2012**, *53*, 2719-2721. ISSN: 0040-4039. I. F. – 2.275
10. **K. Bhattacharya**, M. Maity, S.M.T. Abtab, M.C. Majee, M. Chaudhury. *Inorganic Chemistry*, **2013**, *52*, 9597-9605. ISSN: 0020-1669. I.F.- 4.825
11. **K. Bhattacharya**, S.M.T. Abtab, M.C. Majee, A. Endo and M Chaudhury *Inorganic Chemistry*, **2014**, *53*, 8287-8297. ISSN: 0020-1669. I.F.- 4.825
12. S. Samanta, **K. Bhattacharya**, S. Kundu, R.J. Butcher, M. Chaudhury *Inorganica Chimica Acta*, **2014**, *420*, 135-143. ISSN: 0020-1693. I. F. - 2.304
13. S. Kundu, D. Mondal, **K. Bhattacharya**, A. Endo, D. Sanna, E. Garribba and M. Chaudhury. *Inorganic Chemistry*, **2015**, *54*, 6203-6215. ISSN: 0020-1669. I.F.- 4.825.
14. A. Das, **K. Bhattacharya**, S. Giri and A. Ghosh *Polyhedron*, **2017**, *134*, 295-301. ISSN: 0277-5387. I. F. – 3.052
15. D. Mondal and **K. Bhattacharya.** *Inorganic Chemistry Communication*, 2017, 84, 109-112. ISSN: 1387-7003. I. F. -2.495
16. A. Das, **K. Bhattacharya**, L. K. Das, S. Giri and A. Ghosh. *Dalton Transactions*, **2018**, *47*, 9385-9399. ISSN: 1477-9234. I. F. 4.174
17. D. Mondal, M. C. Majee, **K. Bhattacharya**, J. Long, J. Larionova, M. M. Khusniyarov, and M. Chaudhury. *ACS Omega*, **2019**, *4*, 10558-10570. ISSN: 2470-1343. I. F. – 2.584

Awards:

1. Qualified CSIR-UGC NET (JRF) in June 2006.
2. Awarded with Dr. D. S. Kothari Post-doctoral fellowship by University Grant Commission for the period 2014-2017.

Faculty Development Program Attended:

1. Two-week long **Faculty Development Program** (**UGC sponsored**) entitled '***Chemical***

Sciences' organized by Department of Chemistry, **Ramanujan College**, Delhi, India, February 1-15, 2022 (Online mode).

2. Two-week long **Faculty Development Program** (**UGC sponsored**) entitled '***Faculty Development Program on "Managing Online Classes & Co-creating MOOCS 23.0***' organized by Department of Chemistry, **Ramanujan College**, Delhi, India, Feb 7-21, 2023 (Online mode).

Expertise:

a) Teaching:

Undergraduate Chemistry (Honors/Major): Atomic Structure, Chemical Periodicity, Chemical Bonding (ionic bonding, covalent bonding, VSEPR, Molecular Orbital theory etc.), Acid Base Chemistry, Redox Chemistry, Ionic Equilibrium, Coordination Chemistry, Bioinorganic Chemistry, Organometallic Chemistry, Organometallic Catalysis, Inorganic Reaction Mechanism, Solid State Chemistry, Molecular and Atomic Spectroscopy, Nuclear Chemistry.

Postgraduate Chemistry: Chemical bonding, Symmetry and Group theory, Coordination Chemistry, Electronic Spectroscopy, Inorganic Reaction Mechanism, Electron Transfer Reaction, Bioinorganic Chemistry, EPR, NMR and NQR Spectroscopy, Mossbauer Spectroscopy, Mass Spectrometry, Magnetochemistry, Applications of Group Theory, Nuclear Chemistry, Organometallic Chemistry and Catalysis, Inorganic Photochemistry.

Undergraduate Chemistry (General/Minor): Along with above mentioned topics I also have expertise in the following areas to teach general chemistry in the undergraduate level: Thermodynamics and its applications in chemistry, Chemical Kinetics, Reactive intermediates (carbocation, carbanion, radical, carbene etc.) nucleophilic substitution, electrophilic addition, electrophilic substitution in aromatic ring, aromatic nucleophilic substitution, rearrangement reactions.

In addition to all these I also have experience of teaching different SEC courses like Fuel Chemistry, Green Chemistry etc.

b) Research

Synthesis of metal ligand complexes and their spectral characterization, X-ray crystal structure determination, elemental analysis, magnetic and electrochemical studies.

Personal details:

DOB	:11.10.1983
Father's name	: Alokananda Bhattacharjee
Permanent Address	: Thana Road, Andal, Paschim Barddhaman, PIN-713321
Address for Communication	: Flat 1c, Kashinath Apartment, 1st floor, Talikhola, Barasat-700125
Marital Status	: Married
Languages known	: English, Hindi, Bengali