

Resume



Dr. SHILPA BEHL,

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Academic Qualification

Ph.D (Coordination Chemistry), from Department of Chemistry, **IITR** (Indian Institute of Technology, Roorkee), Thesis Title “ *Studies on Oxo-, dioxo- and oxoperoxovanadium (V) complexes of polydentate ligands*” – 2002

M.Sc (Chemistry), **IIT-Roorkee**.-1998

B.Sc – from CDC, Haridwar, Meerut Univ. U.P.-1996.

Additional Courses –

“Certificate Program in Bioinformatics and Computational Biology” conducted by **IIT Delhi** with the collaboration of NIIT -2005.

GATE qualified in the year 1999

Professional Experience ~ 14 years

Aug. 2017 till date, currently working as Asst. Professor with Department of Chemistry at **J.C. Bose Univ. of Science and Technology, YMCA, Faridabad**.

Feb'05 - May'16 – Worked with **CET- IILM Academy of Higher Learning, Greater Noida**, as **Associate Professor**, Chemistry Department.

Joined as Lecturer and grown in the Institution to **Assoc. Professor** Role with increasing responsibility of teaching and Handling Administrative Activities for the College.

Courses Taught B.Tech_(Chemistry and Environment Science), M.Sc (Inorganic Chemistry)

Administrative Experience

Apart from being Faculty handled various administrative roles over the year,

- Head of the Department for Applied Sciences and Humanities from 2012 July to 2014 June.

- Lead Admissions for the Engineering College, handled the yearly admission process in 2012.
- Part of the core team member of Library and Organizing Committee – focus on upgrading the Library and facilities to students,
- Lead team and developed Central Time Table for students across all streams of Engineering and

Research Experience ~ 5 yrs

Recently **preparing a research Project** on Transition metals and their significance in biochemical properties. I will apply in various funding agencies for the research grant.

Dec'02-Feb.2004-Worked as **Research Associate** in the Department of Chemistry, **Jamia Millia Islamia, New Delhi**. Research titled "*Synthesis, characterization and Amoebicidal Studies of Transition Metal Complexes with Bi-and Tridentate Ligands*",.

Feb'99 - Nov. 2001 -Worked as **JRF** in **CSIR** (Council of Scientific and Industrial Research) project titled, "*Oxoperoxo and dioxovanadium(V) complexes of polydentate ligands, their reactivity and catalytic activities.*"

Professional social memberships

- Life member of **Indian Council of Chemist**
- **Indian chemical society**

Presentations (Conferences/Symposia/Workshop)

- Synthesis, characterization and reactivity of vanadium(V) complexes of biomimetic hydrazone ONO donor liagds, M.R. Maurya and **Shilpa. Khurana**, 19th Conference, Indian Council of Chemists, IO-12 (2000), Kuvempu University, Shimoga, Karnataka.
- Attended Seminar on "Environmental Issues: Itinerary of Time" on 5th June, 2005 and presented paper on the "Environmental Issues: Past and Present" at School of Arts & Aesthetics, Jawaharlal Nehru University, New Delhi.
- Presented paper in National conference on Green Chemistry on 20 Feb, 2011 at MDM Ghaziabad.

- Presented paper in National conference on “Recent Advances in biosciences and Drug Discovery”, on 3-4 march 2014, abstract entitled, “Geographical Traceability of Punarnavoside in Boerhavia diffusa Linn. by HPTLC “
- Poster presentation in 2nd international conferences on Innovations in chemical, Biological & Environmental Sciences(Science and Technology for a sustainable Future) on Feb. 27-28 2019 ICICBES-2019.
- Poste presentations in National conference on Role of Meghnand Saha In growth of Physics, J.C.Bose University of Science and Technology, YMCA, Faridabad

Conferences/Workshops Attended

- Actively participated in Symposium held in Department of Chemistry, University of Roorkee organized in Feb. 1997 and Feb. 2001
- Participated in the interdisciplinary Science Conference-2009 on Interface between Chemistry and Biology on Oct.8, 2009 at Jamia Millia Islamia, New Delhi-110025
- Organized workshop on NCER on 12 March, 2012 at CET-IILM, Academy of Higher Learning, Gr. Noida.
- Organized workshop on Emergence of Nanotechnology on 18 October, 2013 at CET-IILM, Academy of Higher Learning, Gr. Noida
- Workshop on Values, society and Education; challenges of modern age at IILM Lodhi Road on 30th April and 1st May 2014.
- Lecture workshop on “Recent Advances in chemical and environment sciences at ABES Engineering College, Ghz. On 5 and 6 May 2014.

References

- **Dr. M.R. Maurya** (Professor and Head), Department of Chemistry, Indian Institute of Technology Roorkee, Roorkee-247667, INDIA
- Dr. Kamaludin, (Professor), Department of Chemistry, Indian Institute of Technology Roorkee, Roorkee-247667, INDIA
- Dr. Amir Azam (Professor and Head), Department of Chemistry, Jamia Millia Islamia. New Delhi.

List of Publications

Listed 10 publications - 9 International and 1 Domestic

1. "Synthesis and characterization of metal complexes of methylene bridged hexadentate tetraanionic ligands, M.R. Maurya, N. Aggarwal and **S. Khurana**, *Ind. J. Chem.* 39A, 1093 (2000).
2. "Dioxo and oxovanadium(V) complexes of biomimetic hydrazone ONO donor ligands, Synthesis, characterization and reactivity", M. R. Maurya, **S. Khurana**, C. Schulzke and D. Rehder, *Eur. J. Inorg. Chem.*, 779 (2001).
3. "Potassium bis(2-[α -hydroxyalkyl/aryl]benzimidazolato)dioxovanadates(V) through base assisted aerial oxidation of the corresponding oxovanadium(IV) complexes", M. R. Maurya and **S. Khurana**, *J. Chem. Res. (S)*, 261 (2002).
4. "Vanadium(IV/V) complexes having $[VO]^{2+}$, $[VO]^{3+}$, $[VO_2]^+$ and $[VO(O_2)]^+$ cores with ligands derived from 2-acetylpyridine and S-benzyl- or S-methyldithiocarbamate", M. R. Maurya, **S. Khurana**, W. Zhang and D. Rehder, *Eur. J. Inorg. Chem.*, 1749 (2002).
5. "Biomimetic oxo-, dioxo- and oxo-peroxo-hydronato-vanadium(IV/V) complexes", M.R. Maurya, **S. Khurana**, W. Zhang and D. Rehder, *J. Chem. Soc., Dalton Trans.*, 3015 (2002).
6. "Six-coordinated oxovanadium(V) complexes of reduced Schiff bases derived from amino acids: Synthesis, reactivity and redox studies", M. R. Maurya, **S. Khurana**, W. Zhang and D. Rehder, *Trans. Met. Chem.*, 28, 511(2003).
7. "Synthesis, characterization and antimicrobial studies of Dioxovanadium(V) complexes containing ONS donor ligands derived from S-benzylthiocarbamate", M.R. Maurya, **S. Khurana**, Shailendra, A. Azam, W. Zhang and D. Rehder, *Eur. J. Inorg. Chem.*, 1749 (2003).
8. "Copper(II) Complex of Monobasic Tridentate ONN Donor Ligand: Synthesis, Encapsulation in Zeolite-Y, Characterization and Catalytic Activity", Mannar R. Maurya, Chanchal Haldar, **Shilpa Behl**, Naresh Babu Kamatham and Fernando Avecillia, *Journal of Coordination Chemistry*, Vol. 64, No. 17, 2995–3011 (2011).
9. "Topic-Drug abuse: A study and result of Indian distress and unfulfillment of human psychological applications." **Shilpa Behl et al.**, *International Organization of Scientific Research*, Vol. 4, Issue 6, June 2014.
10. "SMITH DEGRADATION STUDIES OF *STRYCHNOS NUX VOMICA* LINN. WATER SOLUBLE SEED POLYSACCHARIDE." Dhires Kumar Pathak & **Shilpa Behl**, *International Research Journal of Humanities, Engineering & Pharmaceutical Sciences*,

