

Curriculum Vitae

DR. SHUBHAM JAISWAL

Present Designation: Assistant Professor (on Contract)

Department of Chemistry, School of Basic and Applied Sciences
Harcourt Butler Technical University, Kanpur, 208002, U.P., India.

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Research Gate: <https://www.researchgate.net/profile/Shubham-Jaiswal-34>

Google Scholar: <https://scholar.google.com/citations?user=kUYXIBAAAAAJ&hl=en&oi=ao>



PERSONAL PROFILE

Mother's Name : Smt. Geeta Jaiswal
Father's Name : Shri Manoj Jaiswal
Date of Birth : 27-10-1995
Language Proficiency : Hindi & English

PERMANENT ADDRESS : Shubham Jaiswal S/o Shri Manoj Jaiswal
House no. 115
Village - Sukaha, Post - Kasimabad
District - Ghazipur, 233230, U.P., India.

ACADEMIC QUALIFICATION

Degree	Board/University	Subject	Year of Passing
B. Sc.	University of Allahabad	PCM Group	2015
M. Sc.	University of Allahabad	Chemistry (Inorganic)	2017
Ph. D.	Banaras Hindu University	Chemistry	2023

RESEARCH FELLOWSHIPS

- Qualified CSIR-UGC NET (JRF) in 2017 conducted by CSIR with AIR-89.
- Qualified GATE in 2018 conducted by IIT Guwahati.

RESEARCH INTEREST: Synthesis and characterization of transition metal complexes of biologically active ligands and applied them into anti-cancerous study and electrochemical sensing of real samples.

PH.D. THESIS TITLE: "Studies on transition metal complexes of some biologically important nitrogen sulphur ligands and their cyclic derivatives"

TECHNICAL SKILLS: Well versed with window-based MS-word, MS-Excel, Power Point Presentation, Origin, Chemdraw, Mestrenova.

SUBJECT DOMAIN: Coordination Chemistry, Organometallic Chemistry, Bioinorganic Chemistry, Physical Chemistry, Analytical Chemistry, Solid-state Chemistry, and Spectroscopy.

CAREER OBJECTIVE:

To secure a challenging and rewarding Assistant Professor position in Chemistry where I can leverage my passion for teaching, dedication to research, and expertise in [Inorganic Chemistry, Physical Chemistry] to foster an engaging learning environment, contribute to innovative research initiatives, and inspire the next generation of scientists. Based on strong academic background and research expertise, and my passion for teaching I am able to contribute in high quality education, innovative research.

RESEARCH EXPERIENCE:

Positions	University	From	To	Duration
Junior Research Fellow (CSIR)	Banaras Hindu University	18 th March 2018	31 st March 2020	2 Years
Senior Research Fellow (CSIR)	Banaras Hindu University	1 st April 2020	31 st March 2023	3 Years

Supervisor: Dr. Manoj Kumar Bharty (Professor)

Teaching Experience: 1 year 6 months (HBTU, Kanpur)

Publications:

- [1] **Shubham Jaiswal**, S. Chandra, J. Prajapati, I. Tiwari, M.K. Bharty, “Copper-based electrochemical sensor derived from thiosemicarbazide for selective detection of neurotransmitter dopamine”, **Langmuir**, (2024).
- [2] **Shubham Jaiswal**, N. Rai, S. Chandra, A. Verma, V. Gautam, M. Adhikari, S. Singh; M.K. Bharty, “Design, Synthesis, and Structural Evaluation of Metal Complexes of Azepane-1-carbodithioate for Targeting Human Breast Cancer: Investigating Cytotoxic Activity against MDA-MB-231 Cell Line”, **New J. Chem.**, 48, 13589 (2024).
- [3] **Shubham Jaiswal**, L. Yadav, S.K. Pandey, S. Chandra, M.K. Bharty, L.B. Prasad, A. Acharya, “Synthesis, characterizations, crystal structure and anticancer activity of Mn(II), Co(II) and Ni(II) complexes of N'-cyclohexyl-2-thiophene-carbonyl hydrazine carbothioamide”, **Polyhedron**, 238, 116408 (2023).
- [4] **Shubham Jaiswal**, S.K. Pandey, J. Prajapati, S. Chandra, M.K. Gond, M.K. Bharty, I. Tiwari, R.J. Butcher, “Cd(II) complexes derived from thiazoline, hydrazine, and carbodithioate ligands: Synthesis, Crystal structures and electrochemical sensing of uric acid”, **Appl. Organomet. Chem.**, 37, e7085 (2023).

- [5] **Shubham Jaiswal**, S.K. Pandey, T. Minocha, S. Chandra, M.K. Bharty, S.K. Yadav, D. Kushwaha, R.J. Butcher, “Mn(II) assisted synthesis of N-phenyl-5-(pyridin-3-yl)-1,3,4-oxadiazol-2-amine and evaluation of its antiproliferative activity”, **J. Mol. Struct.**, 1249 131547 (2022).
- [6] **Shubham Jaiswal**, M.K. Gond, M.K. Bharty, B. Maiti, S. Krishnamoorthi, R.J. Butcher, “Manganese(II) catalyzed synthesis of *bis*(N-cyclohexylthiourea) derived from thiosemicarbazide: Structural characterization, fluorescence, cyclic voltammetry, Hirshfeld surface analysis, and DFT calculation”, **J. Mol. Struct.**, 1246, 131060 (2021).
- [7] S. Chandra, **Shubham Jaiswal**, A. Srivastava, R.N. Gautam, S.C. Gupta, R. Dulare, M.K. Bharty, “Anti-cancer activities based on Zn^{II} complex of potassium 5-thiophen-2-yl-[1,3,4]-oxadiazole-2-thiolate: Synthesis, crystal structure, photoluminescence study and Hirshfeld analysis”, **J. Mol. Struct.**, 1313,138697 (2024).
- [8] S. Chandra, **Shubham Jaiswal**, M.K. Bharty, B. Maiti, R.J. Butcher, “Synthesis, structural characterization, DFT study, fluorescence, and redox behavior of 4-[5-(2-picolylsulfanyl)-1,3,4-oxadiazole-2-yl]-pyridine”, **J. Mol. Struct.**, 1249, 131637 (2021).
- [9] S. Chandra, **Shubham Jaiswal**, A. Shukla, A.K. Singh, S. Garai, A. Bharti, A. Acharya, M.K. Bharty, “Solvent-dependent crystallization and anti-cancer activities based on Ni(II) and Co(II) complexes of 1-picolinoyl-4-phenyl-3-thiosemicarbazide: Synthesis, crystal structure, and photoluminescence study”, **J. Mol. Struct.**, 1294, 136473 (2023).
- [10] S.K. Pandey, S. Gupta, **Shubham Jaiswal**, M.K. Gond, M.K. Bharty, R.J. Butcher, “Synthesis, Characterizations, Crystal Structure, DFT, and Hirshfeld Surface Analysis of 4-Cyclohexyl-1-(thiophene-2-carbonyl) thiosemicarbazide”, **J. Chem. Crystallogr.**, 53, 1-12 (2022).
- [11] S. Chandra, J. Prajapati, **Shubham Jaiswal**, S.K. Pandey, I. Tiwari, L.B. Prasad, M.K. Bharty, “Electrochemical sensing of 4-nitrophenol through hetroleptic complexes of Ag(I) and Hg(II) based on 2-thiazoline-2-thiol: Synthesis, crystal structures and Hirshfeld analysis”, **Appl. Organomet. Chem.**, 37, e7210 (2023).

Conferences:

- Participated in “National symposium on Emerging trends in chemical science (NSETCS-2018)” during 17th-18th, November 2018, organized by the Department of Chemistry, Institute of Science, Banaras Hindu University, India
- Participated in “National symposium on Contemporary trends and future prospects of fundamental materials (CTFM-2019)” during 29-30, November 2019, organized by the Department of Chemistry, Institute of Science, Banaras Hindu University, India and presented paper entitles “Syntheses, spectral, X-ray, photoluminescence and DFT studies on N¹, N²-diphenylhydrazine-1,2-bis(carbothioamide) and N¹, N²-dicyclohexylhydrazine-1,2-bis(carbothioamide) obtained by Mn(II) catalyzed reactions”.
- 59th Annual convention of chemists 2022 “International conference on Recent trends in chemical sciences-2022 (RTCS-2022)” during 16-18, December 2022, organized by the Department of Chemistry and chemical biology IIT(ISM) Dhanbad, India and presented paper entitles “Syntheses and electrochemical sensing application of Cd(II) complexes of N/S containing ligands”.
- Participated in “National symposium on Brainstorming meeting on chemistry at the interface (BSCI-2022)” during 26-27, December 2022 organized by the Department of Chemistry, Institute of Science, Banaras Hindu University, India.

Declaration:

I confirm that all the above stated particulars in this resume are true to the best of my knowledge and that I can provide documentary evidence to verify all the given information.

Shubham

Place: Kanpur

Dr. Shubham Jaiswal