

Curriculum Vitae

Dr. SHUBHAM JAISWAL

Assistant Professor (Contractual)

Department of Chemistry, School of Basic and Applied Sciences
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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
Prakash Medical Store,
Village - Sukaha, Post - Kasimabad
District - Ghazipur, 233230, U.P., India.

ACADEMIC QUALIFICATION

Degree	Board/University	Subject	Year of Passing
High school	UP Board	Science	2010
Intermediate	UP Board	Science	2012
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: Coordination chemistry, organometallic chemistry, Bioinorganic chemistry, Electrochemistry, Solid-state chemistry

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

TECHNICAL SKILL: Ms-office, Origin, chemdraw, Mercury, Olex,

RESEARCH EXPERIENCE:

Positions	University/ Institute	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

Publications:

- [1] **Shubham Jaiswal**, Lokesh Yadav, Shivendra Kumar Pandey Suryansh 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).
- [2] **Shubham Jaiswal**, S.K. Pandey, Jyoti Prajapati, S. Chandra, M.K. Gond, M.K. Bharty, Ida 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.**, e7085 (2023).
- [3] Shivendra Kumar Pandey, Seema 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.**, 1-12 (2022).
- [4] **Shubham Jaiswal**, S.K. Pandey, TarunMinocha, 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).
- [5] **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).
- [6] 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).
- [7] S. Chandra, J. Prajapati, **Shubham Jaiswal**, S.K. Pandey, Ida Tiwari, L.B. Prasad, M.K. Bharty, “Electrochemical sensing of 4-nitrophenol through heteroleptic complexes of Ag(I) and Hg(II) based on 2-thiazoline-2-thiol: Synthesis, crystal structures and Hirshfeld analysis” **Appl. Organomet. Chem.**, (2023).

[8] 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).

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