



Curriculum Vitae

Dr. Vikesh Kumar Jha

Date of birth: 15-12-1984

Contact:

Assistant Professor

Dept. of Chemistry,

Government RRM PG College Surajpur,

Chhattisgarh, India, Pin- 497229.

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Contact No. 7903847720

Research Area: Organometallic, organic synthesis and compounds bearing novel pincer and multidentate ligands for different types of catalysis

Professional Degrees and Research Experience

2017- Present HOD & Assistant Professor, Department of Chemistry, Government RRM PG College Surajpur, Chhattisgarh, India, Pin- 497229.

Indian Institute of Technology Kharagpur, India (2011 - 2017)

- PhD in Chemistry under the guidance of Prof. Ganesan Mani
- Thesis: **Pyrrole-Based Multidentate and Pincer-Type Ligands: Synthesis, Coordination Chemistry and Catalysis**

University of Delhi, Delhi, India (2009 -2011)

- Master of science in Chemistry

RDS College, BSBRAUBU, Muzaffarpur, India (2005 -2008)

- Bachelor of science in Chemistry

Dissertation supervised under my guidance at Government RRM PG College Surajpur : 85

List of publications

- Guchhait, T.; **Jha, V. K.**; Mani, G. The syn and anti isomers of the porphyrinogen-like precursor of calix[4]pyrin: isolation, X-ray structure, anion binding and fluoride-ion-mediated proton–deuterium exchange studies *Org. Biomol. Chem.* **2013**, *11*, 2818–2826.
- **Jha, V. K.**; Mani, G.; Davuluri, Y. R.; Anoop, A. The pyrrole ring η^2 -hapticity bridged binuclear tricarbonyl Mo(0) and W(0) complexes: catalysis of regioselective hydroamination reactions and DFT calculations *Dalton Trans.* **2017**, *46*, 1840–1847.
- **Jha, V. K.**; Das, S.; Subramaniyan, V.; Guchhait, T.; Dakua, K.K.; Mishra, S.; Mani, G.; Synthesis, structural characterization, and bonding analysis of two-coordinate copper(I) and silver(I) complexes of pyrrole-based

bis(phosphinimine): new metal–pyrrole ring π -interactions *Dalton Trans.* **2021**, *50*, 8036-8044.

- Koranne, A.; Kurrey, K.; Kumar, P.; Gupta, S.; **Jha, V.K.**; Ravi, R.; Sahu, P.K.; Anamika; Jha, A.K.; **Metal catalyzed C–H functionalization on triazole rings** *RSC Advances*. **2022**, *12*, 27534-27545.
- Koranne, A.; Turakhia, S.; Jha, V.K.; Gupta, S.; Ravi, R.; Mishra, A.; Aggarwal, A.K.; Jha, C.K.; Dheer, N.; Jha, A.K.; **The Mizoroki–Heck reaction between in situ generated alkenes and aryl halides: cross-coupling route to substituted olefins** *RSC Advances*. **2023**, *13*, 22512–22528.
- Kumar, S.; Ravi, R.; Sahu, T.; Jha, V.K.; Baweja, R.; A.K.; Jha,.; **Metal-Catalyzed Oxidative C–H Bond Functionalization of 1,4-Benzoxazinones** *Asian Journal of Organic Chemistry*. **2024**, <https://doi.org/10.1002/ajoc.202400028>.

Book Published

Navbodh Unified Practical Chemistry BSc Third Year by Navbodh Prakashan

Teaching Experience-7 years

- Undergraduate Inorganic Chemistry, Physical Chemistry and Organic Chemistry theory and lab courses
- Postgraduate Inorganic Chemistry, Physical Chemistry, Analytical Chemistry, Photo Chemistry, Heterocyclic Chemistry, Spectroscopy, Organic Chemistry theory and lab courses

College Service

- **2017**-Currently acts as **HOD** in Chemistry at GOVT. RRM PG College Surajpur,CG.
- Recognized as **Research Guide** in Chemistry by Sant Gahira Guru Vishwavidyalay, Ambikapur.
- **IQAC and NAAC Coordinator** at GOVT. RRM PG College Surajpur,CG
- Acts as **Coordinator/Members** at various college level committees

- Served as Coordinator in UG and PG Admission at college in science stream.
- Served as Superintendent and Asst. Superintendent for Semester and annual university exam
- Served as center Superintendent and Asst. Superintendent for CG VYAPAM EXAM at state level.

University Service

- Served as **Chairman of BOS in Chemistry** at SGGV Surguja Ambikapur, Chhattisgarh.
- Served as internal and external examiner in practical examination at UG and PG level.
- Served as Paper setter and examiner at UG and PG level for semester and annual exam.

State Service

- Served as **IDP** Members at State level Committee constituted by HED Chhattisgarh.

- Served as **BOS** (Chemistry) members at State level Committee constituted by HED Chhatisgarh..
- Served as **NAAC** Progress committee members at district level constituted by HED Chhatisgarh.

HONORS AND AWARDS

Selected as Assistant Professor in Chhattisgarh Public Service Commission

July-2017

Awarded National Fellowship from Council of Scientific and Industrial Research (UGC), New Delhi, Govt. of India

June-2010

- For pursuing doctoral study on the basis of qualifying National Eligibility Test

Awarded National Fellowship from Council of Scientific and Industrial Research (CSIR), New Delhi, Govt. of India

December-2010

- For pursuing doctoral study on the basis of qualifying National Eligibility Test

Ranked 314 among 10608 students in All India Graduate Aptitude Test Examination (GATE)

February-2011

- All India examination conducted by Department of Secondary and Higher Education, Ministry of Human Resource Development, Govt. of India

PRESENTATIONS AND PARTICIPATIONS

1. Delivered lecture as resource person on National Science Day Celebration – 2024: Indigenous Technology for Viksit Bharat **26th February to 28th February, 2024**

Organized by Govt. Shivnath Science College, Rajnandgaon(C.G.) **Catalyzed & Sponsored by Chhattisgarh Council of Science and Technology (CCOST), National Council for Science and Technology Communication (NCSTC), DST, Government of India.**

2. Delivered lecture as resource person on NATIONAL RESEARCH SEMINAR ON CHEMICAL SCIENCE AND ENVIRONMENT FOR SUSTAINABLE DEVELOPMENT **23-24 JANUARY 2024** organized by UV SANSKAR MAHAVIDYALAY LATORI, CG

3. Delivered lecture as resource person in INTERNATIONAL SEMINAR ON RECENT TRENDS IN SCIENCE AND TECHNOLOGY (**RTST 2023**) **December 15th - 16th 2023** Organized By Department of Chemistry HOLY CROSS WOMEN'S COLLEGE, AMBIKAPUR (C.G.)

4. Participated in the Training Programme on NAAC Accreditation as trainer at Govt. RGPG College Ambikapur, CG organized by Regional AD Office, Ambikapur, Higher education department on **13th Jan 2023**.

5. Participated in the Training Programme on IDP as trainer at Govt. RGPG College Ambikapur, CG organized by Regional AD Office, Ambikapur, Higher education department on **7th Jan 2023**.

6. Participated in the Training Programme on IDP organized by Higher education department at RUSA Office Raipur, CG on **27th Dec 2022**.

7. Participated in the revision of **UG Chemistry syllabus** organized by Higher education department at Atal Bihari Vajpeyi University, Bilaspur,CG on **16th June 2022**.
8. Participated in the revision of **UG Chemistry syllabus** organized by Higher education department at Atal Bihari Vajpeyi University, Bilaspur,CG on **8th June 2022**.
9. Participated as resource person and delivered e-lecture on the topic IPR organized by Govt. Lahiri P.G. College, Chirmiri,Dist-KOREA,CG on **3rd March 2022**.
10. Participated in **UGC Sponsored Refresher Course** organized by UGC-HRDC University of North Bengal WB on **11th February to 24th February 2021**.
11. Participated in **Faculty Development Programme** organized by UGC-HRDC Savitribai Phule Pune University, MH on **27th July to 31th July 2020**.
12. Participated in **Faculty Development Programme** organized by UGC-HRDC Savitribai Phule Pune University, MH on **11th July to 17th July 2020**.
13. Participated in **Faculty Development Programme** organized by UGC-HRDC Savitribai Phule Pune University, MH on **1st June to 5th June 2020**.
14. Participated in 26th **Orientation Programme** organized by UGC-HRDC GGV Bilaspur CG on **13th November to 3rd December 2019**.
15. Participated in Training Programme on “**Training of Teachers (TOT) for Deeksharambh-Student Induction Programme (SIP)**” organized by UGC CRO

Bhopal at The National Law Institute University. Bhopal, MP on **21-23 August, 2019.**

16. Presented a poster on the topic entitled “**Silver(I) and Copper(I) Complexes Containing Pyrrole-Based Bis(phosphinimine)**” in the Modern Trends in Inorganic Chemistry (MTIC) – XVI at Jadavpur University, Kolkata, India on **December 3-5, 2015.**
17. Presented a group poster on the topic entitled “**Transition and Main Group Metal Compounds for Catalytic Applications**” in 5th Research Scholars’ Day Organized by the Department of Chemistry, Indian Institute of Technology Kharagpur on **August 2, 2015.**
18. Presented a lecture on the topic entitled “**Silver(I) and Copper(I) Complexes Containing Pyrrole-Based Bis(phosphinimine)**” in 5th Research Scholars’ Day Organized by the Department of Chemistry, Indian Institute of Technology Kharagpur on **August 2, 2015.**
19. Participated in International Conference on “Light in Chemistry, Materials and Biology” (LCMB 2014) organized by the Department of Chemistry, Indian Institute of Technology Kharagpur on **February 24-25, 2014.**
20. Participated in Acs on Campus organized in the Department of Chemistry, Indian Institute of Technology Kharagpur on **November 25, 2013.**
21. Participated in 4th Research Scholars’ Day Organized by the Department of Chemistry, Indian Institute of Technology Kharagpur on **March 1, 2013.**
22. Participated in 3rd Research Scholars’ Day Organized by the Department of Chemistry, Indian Institute of Technology Kharagpur on **April 4, 2012.**
23. Participated in the International Symposium entitled "Diamond Jubilee Symposium on Recent Trends in Chemistry" (DJSRTC) held at Indian Institute of Technology Kharagpur on **October 21-23, 2011.**

