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Expertise

Multidisciplinary Chemistry

Supramolecular Chemistry: Design, Synthesis and Application of Coordination Polymers and Chemosensors

Work experience

1. DAV Post Graduate College 2019 — Present
Assistant Professor

Education

1. Ph.D - 2019

Indian Institute of Technology Kanpur

Publication

1. Dioxomolybdenum (VI) Compounds of Macrocyclic Schiff base Ligands: Preparation, Characterization and Antibacterial activity

Shikha Katiyar¹, Devendra Pratap Rao^{1*}, Narendra Kumar Verma¹, Amit Kumar Gautam¹, Ashish Verma¹, Chandra Prakash Singh², Vijay Shankar³ Yashveer Gautam⁴
ORIENTAL JOURNAL OF CHEMISTRY , Volume , Year 2024, Pages

2. **Synthesis and Crystal Structure–Activity Studies and Possible Therapeutic Application of Diamine Conjugated Furoil Schiff Base as Antibacterial Agent**

Shikha Katiyar, Devendra Pratap Rao, Narendra Kumar Verma, Amit Kumar Gautam, Chandra Prakash Singh, Ashish Verma & Gyan Prakash Gupta
Chemistry Africa, Volume , Year 2024, Pages

3. **Nanosized Bispyrazole-Based Cryptand-Stabilized Palladium(0) Nanoparticles: A Reusable Heterogeneous Catalyst for the Suzuki–Miyaura Coupling Reaction in Water**

Verma, Ashish and Tomar, Kapil and Bharadwaj, Parimal K.
Inorganic Chemistry, Volume 58, Year 2019, Pages 1003-1006

4. **Halocarbon Encapsulation via Halogen $\cdots\pi$ Interactions in a Bispyrazole-Based Cryptand**

Verma, Ashish and Tomar, Kapil and Bharadwaj, Parimal K.
Crystal Growth & Design, Volume 19, Year 2019, Pages 369-375

5. **'Regioisomeric cryptand stabilized gold supraspheres and elongated dodecahedron supraparticles for reversible host–guest chemistry '**

'Saini, Meenaxi and Verma, Ashish and Tomar, Kapil and Bharadwaj, Parimal K. and Sadhu, Kalyan K. '
'Chem. Commun. ', Volume '54 ', Year 2018, Pages '12836-12839 '

6. **Exploiting Dimensional Variability in Cu Paddle-Wheel Secondary Building Unit Based Mixed Valence Cu(II)/Cu(I) Frameworks from a Bispyrazole Ligand by Solvent/pH Variation**

Tomar K.;Verma A.;Bharadwaj P.K.
Crystal Growth and Design, Volume 18, Year 2018, Pages 2397-2404

7. **An Amine Functionalized Metal–Organic Framework as an Effective Catalyst for Conversion of CO₂ and Biginelli Reactions**

Verma, Ashish and De, Dinesh and Tomar, Kapil and Bharadwaj, Parimal K.
Inorganic Chemistry, Volume 56, Year 2017, Pages 9765-9771

8. **Chiral Cadmium(II) Metal–Organic Framework from an Achiral Ligand by Spontaneous Resolution: An Efficient Heterogeneous Catalyst for the Strecker Reaction of Ketones**

Verma, Ashish and Tomar, Kapil and Bharadwaj, Parimal K.
Inorganic Chemistry, Volume 56, Year 2017, Pages 13629-13633

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