

Papers Published

1. Aditya Puranik, Priyanka Salunke and Neelima Kulkarni*, Supramolecular Birefringent Metallogels formed by Trinuclear Copper (II) Complexes with Myo-inositol and Bipyridyl Ligands, *New J. Chem.*, 2019, **43**, 14720-14727.
2. Priyanka Salunke, Aditya Puranik and Neelima Kulkarni*, Histamine derived dimer of μ -Chlorido- μ -Phenoxido Dicopper(II) complex as a Potential Enzyme Mimic with Catecholase activity, *Polyhedron*, 2022, **216**, 115700.
3. Varsha Bhardwaj, Priyanka Salunke, Aditya Puranik, Neelima Kulkarni* and Amar Ballabh*, Design and synthesis of novel heterocyclic pivalamide ligands and their copper(II) complexes: Structure, BSA/DNA interactions and SOD synzyme activity, *Polyhedron*, 2022, **225**, 116054.

Manuscripts under preparation

- Aditya Puranik, Priyanka Salunke, Vandana Rao and Neelima Kulkarni*, Trinuclear Copper(II) metallogels and their application as heterogeneous catalysts for oxidation.
- Aditya Puranik, Priyanka Salunke, and Neelima Kulkarni*, Effect of capping agents on gel formation and uptake of organic solvents by metallogels derived from 1,10- phenanthroline containing tricopper (II) complex

Oral and Poster Presentations

1. Poster presentation entitled “**Supramolecular Birefringent Metallohydrogels formed by Trinuclear Copper(II) complexes containing myo-inositol**” at International Conference On Structural And Inorganic Chemistry held by CSIR-NCL, IISER Pune, and SP Pune University ICSIC 2014 on 4th -5th December, 2014.
2. Poster presentation entitled “Anion dependence in the formation of metallohydrogels by Trinuclear Copper(II) complexes” at **Frontiers in chemical Sciences' held at the Department of Chemistry**, The Maharaja Sayajirao University of Baroda on 19th March 2016.
3. Poster Presentation entitled “**Synthesis and Tuning of Copper containing Metallogels and Their Biological Activity**”- at the ACR-19 held in the Department of Chemistry, The Maharaja Sayajirao University of Baroda on 24th February 2019.
4. Poster presentation entitled “**Anion Dependence of Birefringent Metallogel Formation by a Tricopper (II) Gelator**” at ANNUM-7 held by Department of Chemistry Gujarat University Ahmedabad from 27-29th, September, 2019.
5. Poster presentation entitled “**Metallogels formed by Phenanthroline Containing Trinuclear Copper (II) Complexes with Biregent and Solvent Uptaking Properties**” at International Conference, MTICXVIII at IIT- Guwahati from 11th-14th December, 2019.
6. Oral Presentation entitled **Metallogels: A new application as heterogeneous oxidation catalysts** at 58th Annual Convention of Chemists and International Conference on Recent Trends in Chemical Sciences (ACC-RTCS-2021) organized by the Indian Chemical Society, Kolkata from 21st – 24th December 2021.

Conferences and Workshops

1. **X-ray Single Crystal Workshop** in the Department of Chemistry, The Maharaja Sayajirao University of Baroda from 19-25th of January 2015.
2. **Winter training school on Computational Chemistry** in the University of Hyderabad from 8th-24th December 2015.
3. **X-Ray Structure Determination** at Jiwaji University, Gwalior under the GIAN initiative by MHRD of India from 13th -26th June, 2016.
4. **DST & ACS Workshop on ‘Effective Manuscript Writing’** – CSMCRI Bhavnagar on 15th November, 2019.
5. **Workshop on Advanced Analytical Techniques for Elemental Analysis** held at the Department of Chemistry, The Maharaja Sayajirao University of Baroda on 28th December, 2019.
6. **Science Conclave** – organized by Department of Chemistry, The Maharaja Sayajirao University of Baroda on 28th February 2020.
7. **Workshop on Computational Chemistry** organized by Department of Chemistry, The Maharaja Sayajirao University of Baroda from 3rd-7th March, 2020.
8. **One Day National Symposium on Frontiers in Chemistry and Medicinal Chemistry (FICM-2021)** organized by Department of Chemistry, The Maharaja Sayajirao University of Baroda on 11th October, 2021.
9. **National Symposium on Frontiers in Chemistry (NSFC-2022)** organized by Department of Chemistry, The Maharaja Sayajirao University of Baroda on 25th June, 2022.