

List of Publications

24. Payal Kachhap, Nikita Chaudhary, Chanchal Haldar, Imidazole-modified Merrifield resin supported oxidovanadium(IV) complexes of Schiff-base-ether-based mixed functionality ligands for the catalytic oxidation of light aliphatic alcohols, *Reactive and Functional Polymers*, 105606 (189), **2023**, <https://doi.org/10.1016/j.reactfunctpolym.2023.105606> (Q1: IF: 4.966)
23. Vivek Kumar Mishra, Nikita Chaudhary, Chanchal Haldar, Electronically Tuned Copper Porphyrins for the Selective Epoxidation of Alkenes, *Topics in Catalysis*, 435–451(66), **2023**, <https://doi.org/10.1007/s11244-022-01764-6>, (Q2: IF: 2.781)
22. Neha Kesharwania & Chanchal Haldar, Synthesis, and characterization of Merrifield resin-supported vanadium complexes for the catalytic oxidation of straight-chain aliphatic alcohols, *Polyhedron*, 115787 (219), **2022**, <https://doi.org/10.1016/j.poly.2022.115787>, (Q2: IF: 3.052)
21. Payal Kachhap, Nikita Chaudhary, Chanchal Haldar, Solvent-free oxidation of straight-chain aliphatic primary alcohols by polymer-grafted vanadium complexes, *Applied Organometallic Chemistry*, Early View, **2021**, <https://doi.org/10.1002/aoc.6437> (Q1: IF: 4.105)
20. Neha Kesharwania, Nikita Chaudhary, Chanchal Haldar, Synthesis and characterization of Merrifield resin and Graphene oxide supported air-stable oxido vanadium (IV) radical complexes for the catalytic oxidation of light aliphatic alcohols, *Catalysis Today*, **2021**, <https://doi.org/10.1016/j.cattod.2021.06.005>, (Q1: IF: 6.766)
19. Neha Kesharwania, Nikita Chaudhary, Chanchal Haldar, Heterogeneous catalytic oxidative bromination and oxidation of thioethers by vanadium(IV) oxido complex of benzoyl acetone and influence of solid supports, *Catalysis letters*, 151, 3562–3581, **2021**, DOI: 10.1007/s10562-021-03594-9 (Q2: IF: 3.186)
18. Malini Roy, Debanjana Biswal, Nikhil Ranjan Pramanik, Michael G.B Drew, Suvendu Paul, Payal Kachhap, Chanchal Haldar, Syamal Chakrabarti, Structural elucidation, DFT calculations and catalytic activity of dioxomolybdenum(VI) complexes with N-N donor ligand: Role of halogen atom coordinated to the molybdenum centre, *Polyhedron*, 200, 115144, **2021**, <https://doi.org/10.1016/j.poly.2021.115144> (Q2: IF: 3.052)
17. Abhishek Maurya & Chanchal Haldar, Liquid-phase oxidation of olefins with rare hydronium ion salt of dinuclear dioxido-vanadium(V) complexes and comparative catalytic studies with analogous copper complexes, *Applied Organometallic Chemistry*, **2021**, <https://doi.org/10.1002/aoc.6203>, (Q1: IF: 4.105)
16. Abhishek Maurya & Chanchal Haldar, Green, homogeneous oxidation of alcohols by dimeric copper(II) complexes, *Journal of Coordination Chemistry*, 74(4-6), 885-904, **2021**, <https://doi.org/10.1080/00958972.2020.1857747> (Q2: IF: 1.751)
15. Arpita Samui, Neha, Kesharwani, Chanchal, Haldar, Sumanta Kumar Sahu, Fabrication of

nanoscale covalent porous organic polymer: An efficacious catalyst for Knoevenagel condensation, ***Microporous and Mesoporous Materials***, 299, 110112, 2020, <https://doi.org/10.1016/j.micromeso.2020.110112> (Q1: IF: 5.455)

14. Abhishek Maurya, Arun Kumar Mahato, Nikita Chaudhary, Neha Kesharwani, Payal Kachhap, Vivek Kumar Mishra, and Chanchal Haldar, Synthesis and characterization of dimeric μ -oxidovanadium complexes as the functional model of vanadium bromoperoxidase, ***Applied Organometallic Chemistry***, 34 (4), 5508, 2020, <https://doi.org/10.1002/aoc.5508> (Q1: IF: 4.105)
13. Abhishek Maurya, Neha Kesharwani, Payal Kachhap, Vivek Kumar Mishra, Nikita Chaudhary, and Chanchal Haldar, Polymer-anchored mononuclear and binuclear Cu^{II} Schiff-base complexes: Impact of heterogenization on liquid-phase catalytic oxidation of a series of alkenes, ***Applied Organometallic Chemistry***, 33(9), 5094, 2019. <https://doi.org/10.1002/aoc.5094>, (Q1: IF: 4.105)
12. Vijay Kumar Singh, Abhishek Maurya, Neha Kesharwani, Payal Kachhap, Sweta Kumari, Arun Kumar Mahato, Vivek Kumar Mishra, and Chanchal Haldar, Synthesis, characterization, and catalytic oxidation of styrene, cyclohexene, allylbenzene, and cis-clooctene by recyclable polymer-grafted Schiff base complexes of vanadium(IV), ***Journal of Coordination Chemistry***, 71, 520-541, 2018, <https://doi.org/10.1080/00958972.2018.1434516>, (Q2: IF: 1.751)
11. Sweta Kumari, Arun Kumar Mahato, Abhishek Maurya, Vijay Kumar Singh, Neha Kesharwani, Payal Kachhap, Igor Koshevoy, Chanchal Haldar, Syntheses and characterization of monobasic tridentate $\text{Cu}(\text{II})$ Schiff-base complexes for efficient oxidation of 3,5-di-*tert*-butylcatechol and oxidative bromination of organic substrates, ***New. J. Chem.***, 41, 13625, 2017, DOI: 10.1039/c7nj00957g, (Q1: IF: 3.591)
10. Dipankar Das, Paulomi Ghosh, Animesh Ghosh, Chanchal Haldar, Santanu Dhara, Asit Baran Panda, and Sagar Pal Stimulus-responsive, Biodegradable, Biocompatible, Covalently Crosslinked Hydrogel Based on Dextrin and Poly (N-isopropyl acrylamide) for In-vitro/In-vivo Controlled Drug Release, ***ACS Appl. Mater. Interfaces.***, 7(26), 14338, 2015, DOI: 10.1021/acsami.5b02975, (Q1: IF: 9.229)
9. Angshuman Ray Chowdhuri, Satyajit Tripathy, Chanchal Haldar, Somenath Roy, Sumanta Kumar Sahu, Single-step synthesis of carbon dots embedded chitosan nanoparticles for cell imaging and hydrophobic drug delivery, ***Journal of Materials Chemistry B***, 3(47), 9122-9131, 2015, DOI: 10.1039/C5TB01831E, (Q1: IF: 6.331)
8. Angshuman Ray Chowdhuri, Satyajit Tripathy, Chanchal Haldar, Soumen Chandra, Balaram Das, Somenath Roy, Sumanta Kumar Sahu, Theoretical and experimental study of folic acid conjugated silver nanoparticles through electrostatic interaction for enhance antibacterial activity, ***RSC Advances.***, 5, 21515, 2015, <https://doi.org/10.1039/C4RA16785F> (Q2: IF: 3.361)
7. Triveni Kumar Mahto, Soumen Chandra, Chanchal Haldar, Sumanta Kumar Sahu, Kinetic and

Thermodynamic Study of Polyaniline Functionalized Magnetic Mesoporous Silica for Magnetic Field Guided Dye Adsorption, *RSC Advances*, 5, 47909-47919, **2015**, DOI: 10.1039/C5RA08284F, (Q2: IF: 3.361)

6. M. R. Maurya, C. Haldar, A. Kumar, M. L. Kuznetsov, and J. Costa Pessoa, Effect of coordination sites on vanadium complexes having $[\text{VO}]^{2+}$, $[\text{VO}]^{3+}$ and $[\text{VO}_2]^+$ cores with hydrazones of 2,6-diformyl-4-methylphenol: Synthesis, characterization, reactivity, and catalytic potential, *Datlon Trans.*, 42, 11941-11962, **2013**, DOI: 10.1039/c3dt50469g, (Q1: IF: 4.390)
5. M. R. Maurya, P. Saini, C. Haldar and F. Avecilla, Mn (III) complexes of monoprotic tridentate ONN donor 2-[2-(1H-(benzo[d]imidazol-2-yl)ethylimino)methyl]phenol as functiona mimic of haloperoxidase, *Polyhedron*, 46, 33–40, **2012**, <http://dx.doi.org/10.1016/j.poly.2012.07.095>, (Q2: IF: 3.052)
4. M. R. Maurya, C. Haldar, A. A. Khan, A. Azam, A. Salahuddin, A. Kumar and J. Costa Pessoa, Synthesis, characterization, catalytic and antiamebic activity of vanadium complexes of binucleatingbis (dibasic tridentate ONS donor) ligand systems, *Eur. J. Inorg. Chem.*, 15, 2560-2577, **2012** DOI: 10.1002/ejic.201200012, (Q2: IF: 2.524)
3. M. R. Maurya, P. Saini, C. Haldar, F. Avecilla, Synthesis, characterization, and catalytic activities of manganese(III) complexes of pyridoxal-based ONNO donor tetradentate ligands, *Polyhedron*, 31, 710–720, **2012**, doi:10.1016/j.poly.2011.10.029, (Q2: IF: 3.052)
2. M. R. Maurya, P. Saini, C. Haldar, A. K. Chandrakar, S. Chand, Oxidation of styrene and cyclohexene with TBHP catalyzed by Zeolite-Y encapsulated copper(II) complex, *Journal of Coordination Chemistry*, 65, 2903-2918, **2012**, <http://dx.doi.org/10.1080/00958972.2012.706281> (Q2: IF: 1.751)
1. M. R. Maurya, C. Haldar, S. Behl, N. Kamatham and F. Avecilla, Copper(II) complex of monobasic tridentate ONN donor ligand: synthesis, encapsulation in zeolite-Y, characterization, and catalytic activity, *Journal of Coordination Chemistry*, 64, 2995–3011, **2011**, <http://dx.doi.org/10.1080/00958972.2011.610450>, (Q2: IF: 1.751)