

Research Publications

1. Synthesis, crystal structure and biological evolution of new pyridazine derivatives, **Bholey Singh**, Rohit Bhatia, Balaram Pani, Deepak Gupta*, *Journal of Molecular Structure*. 1200 (2020) 127084 ISSN: 0022-2860.
2. Geochemical Signatures and chemical toxicity assessment of groundwater Uranium in the agricultural dominated Tehsil after Indian summer monsoon, Shwetank Shashi Pandey, **Bholey Singh**, Manjeet Singh Barwa, Y.P Gautam, Balaram Pani*, *Res. J. Chem. Environ.* 24(10) 2020.
3. Terrestrial Gamma Radiation Dose (TGRD) Environmental Distribution in Alluvial Soil Region, its Monsoonal Variation and Assessment of Lifetime Cancer Risk, Shwetank Shashi Pandey, **Bholey Singh**, Manjeet Singh Barwa, Y.P Gautam, Balaram Pani*, *Res. J. Chem. Environ.* 25(2) 2021
4. Multiple phenyl ring appended Re-based complexes for strong light absorption and DNA binding, **Bholey Singh**, Balaram Pani, Deepak Gupta*, *Dalton Trans.* 2021.
5. Basic ionic liquid grafted on magnetic nanoparticles: An efficient and highly active recyclable catalyst for the synthesis of β -nitroalcohols and 4H-benzo[b]pyrans, Padmini Gupta, Swati Rani, Digvijay Sah, Javaid Shabir, Surabhi, **Bholey Singh**, Balaram Pani, Subho Mozumdar*, *Journal of Molecular Structure*. 2023
6. A pyridine dicarboxylate based hydrazone Schiff base for reversible colorimetric recognition of Ni^{2+} and PPI, Rashim Bawa, Swati Negi, **Bholey Singh**, Balaram Pani and Rakesh Kumar*, *RSC Adv.* 2023.
7. Recent developments on the colorimetric and fluorometric detection of 3d block metal ions using Schiff base probes, Ram Kumar, **Bholey Singh**, Parveen Gahlyan, Rakesh Kumar, Balaram Pani*, *Journal of Molecular Structure*. 2023
8. A rhodamine based fluorescent and colorimetric chemosensor for the detection of Cr^{3+} ion and its utility in molecular logic gate, Swati Negi, Parveen Gahlyan, Rashim Bawa, **Bholey Singh**, Mamta Bhandari, Rita Kakkar, Balaram Pani, Rakesh Kumar*, *Analytical Methods* 2023.
9. A biscationic imidazolium ionic liquid immobilized on graphene oxide as an efficient heterogeneous catalyst for the synthesis of tetraketone derivatives. Padmini Gupta, **Bholey Singh**, Manjeet Dhama, Balaram Pani, Subho Mozumdar*, *New Journal of Chemistry* 2023.
10. Design, synthesis and in silico evaluation of newer 1,4-dihdropyridine based amlodipine bio-isosteres as promising antihypertensive agents. Priya Takkar, **Bholey Singh**, Balaram Pani, Rakesh Kumar*, *RSC Advances*, 2023.
11. Recent developments on detection of Zn^{2+} ions using Schiff base probes, Ram Kumar, **Bholey Singh***, Shwetank Shashi Pandey, Balaram Pani, *SynOpen* 2023.