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List of Publications

(1) **Shrivastava, A**.; Kuntail, J.; Kumar, U.; Sinha, I. Co-Adsorption Mechanism of Organic Pollutants on $NiFe_2O_4$/GO Nanostructures: Experimental and Molecular Dynamics Studies. *J. Mol. Liq.* **2023**, *389*, 122932. https://doi.org/10.1016/J.MOLLIQ.2023.122932.

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(3) **Shrivastava, A**.; Sinha, I. Simultaneous adsorption of organic pollutants on Mo-doped $NiFe_2O_4$ nanoparticles: Experimental and computational studies. *J. Mol. Liq.* **2025**, *430*, 127827. https://doi.org/10.1016/j.molliq.2025.127827

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List of conferences

- Presented a paper in Indo-French conference **FCSB 2024** entitled "Fenton reaction by H_2O_2 produced on magnetically recyclable $Ag/CuWO_4/NiFe_2O_4$ photocatalyst" organized by University of Hyderabad, India
- Presented a paper in international conference **TSRP 2024** entitled "Magnetic recyclable Z-scheme AgI/ $NiFe_2O_4$ photo-Fentoncatalyst for degradation of tetracycline under visible light irradiation: Experimental and theoretical studies" organized by Bhabha atomic research centre, Mumbai, India.
- Presented a paper in international conference **TEERSD 2023** entitled "Co-adsorption mechanism of organic pollutants on $NiFe_2O_4$/GO nanostructures: Experimental and molecular dynamics studies" organized by GGV Bilaspur, Chhattisgarh, India.
- Presented my research work at National Symposium **SEFCO-2022** entitled "Experimental and molecular dynamics investigations on Z-scheme visible light $Ag_3PO_4/CuWO_4$ photocatalysts for antibiotic degradation" organized by CSIR-IIP, Dehradun, India.
- Presented a paper in international conference **IC-AMP 2022** entitled "Synthesis and photocatalytic evaluations of 2D material-based nanocomposite for waste water treatment" organized by NIT-Raipur, India.
- Presented a work in an international conference **IC-RAISE 2021** entitled "Development of 2D MoS_2 based titania heterojunction photocatalyst for environmental application" organized by DST Solar Energy Harnessing Centre (DSHEC) and IIT Madras, India.