

List of Publications 2024-2025

(01-07-2024 to 30-06-2025)

S.No	Title of paper	Name of the author/s	Department	Name of journal/Vol/Page No.	ISSN number	Link to the recognition in UGC enlistment of the Journal
1.	Surface Modified Magnetic Nanoparticles as an Efficient Material for Wastewater Remediation: A Review	Richa Tembekar, Kallol K. Ghosh, Angel Minj, Abhishek Katendra	School of Studies in Chemistry	Journal of Ravishankar University, Part-B, 37 , 206-240	0970-5910	https://doi.org/10.52228/JRUB.2024-37-2-15
2.	Progress in Analytical methods for monitoring of heavy metals and Metalloid in milk and global health risk assesment	Anuradha Sharma, Shashi Gupta, Kamlesh Shrivass, Tushar Kant	School of Studies in Chemistry	Journal of Food Composition and Analysis, 135 , 106568	0889-1575	https://doi.org/10.1016/j.jfca.2024.106568
3.	A Low-cost disposal pencil electrode for cyclic voltammetry analysis	Pooja Chandravanshi, Ankita Tejjwani, Tuishar Kant, Manas Kanti Deb, Kamlesh Shrivass	School of Studies in Chemistry	Journal of Ravishankar University, Part-B, 37 , 9-19	0970-5910	https://doi.org/10.52228/JRUB.2024-37-2-2
4.	Ultrasound-assisted extraction and RP-HPLC quantification of beta-caryophyllene in plant essential oils: Separation efficiency and insecticidal activity	Reena Jamunkar, Deepak Sinha, Kamlesh Shrivass, Tarun Kumar Patle, Antresh Kumar, Khushali Tandey, Tribhuvn Singh	School of Studies in Chemistry	Journal of Molecular Structure, 1335 , 141882	0022-2860	https://doi.org/10.1016/j.molstruc.2025.141882
5.	Nanomaterial-enabled portable paper-based colorimetric and fluorometric devices: Progress in point-of-care diagnosis	Khushali Tandey, Kamlesh Shrivass, Anuradha Sharma, Tushar Kant, Ankita Tejjwani, Tikeshwari, Manas Kanti Deb, Shamsh Pervez, Kallol K. Ghosh	School of Studies in Chemistry	Coordination Chemistry Reviews, 514 , 215919	0010-8545	https://doi.org/10.1016/j.ccr.2024.215919

6.	Inner-filter effect of nitrogen-doped carbon quantum dots-MnO ₂ nanotubes for smartphone-integrated dual-mode sensing of glutathione and captopril	Ankita B. Kujur, Manmohan L. Satnami, Yogyata Chawre, Pnki Miri, Akash Sinha, Rekha Nagwanshi, Indrapal Karbhal, Kallol K. Ghosh, Shamsh Pervez, Manas Kanti Deb	School Studies Chemistry	of in	RSC Advances, 14 , 20093-20104	2046-2069	https://doi.org/10.1039/D4RA03287J
7.	Nitrogen Doped Carbon Quantum Dots as Fluorescence “Turn-Off-On” Sensor for Detection of Fe ³⁺ Ions and Ascorbic Acid in Moringa oleifera and Citrus Lemon	Girish Sahu, Yogyata Chawre, Ankita Beena Kujur, Pinki Miri, Akash Sinha, Rekha Nagwanshi, Indrapal Karbhal, Kallol K. Ghosh, Vinod K. Jena, Manmohan L. Satnami	School Studies Chemistry	of in	Journal of Fluorescence, 1-13	1053-0509	https://doi.org/10.1007/s10895-024-04012-0
8.	Heavy Metals contamination in cow and buffalo milk from industrial areas of raipur, India: A health risk assesment	Anuradha Sharma, Shashi Gupta, Kamlesh Shrivias, Suryakant Chakradhari, Shamsh Pervez, Manas Kanti Deb	School Studies Chemistry	of in	Food and Chemical Toxicology, 196 , 115178	0278-6915	https://doi.org/10.1016/j.fct.2024.115178
9.	Assessment of Acetylcholinesterase Activity Using the Gold Nanocluster–MnO ₂ Nanosheet Pair for Detection of Paraoxon	Pinki Miri, Manmohan L. Satnami, Sanjay Ghosh, Rekha Nagwanshi, Indrapal Karbhal, Vishal Jain, Yogyata Chawre, Ankita Beena Kujur, Akash Sinha, Kallol K. Ghosh, Shamsh Pervez, Bhanushree Gupta	School Studies Chemistry	of in	ACS Applied Nanomaterials, 7 , 19657-19667	2574-0970	https://doi.org/10.1021/acsanm.4c03732
10.	PANI-grafted boron, nitrogen co-doped carbon fiber: An outstanding, high-performance supercapacitor electrode	Rajiv Nayan, Shubhra Sinha, Vaibhav Dixit, Manmohan L. Satnami, Kallol K. Ghosh, Shamsh Pervez, Manas Kanti Deb, Kamlesh Shrivias, Manish K. Rai, Sandeep G. Yenchalwar, Kundan Wasnik, Sandesh R. Jadkar, Indrapal Karbhal	School Studies Chemistry	of in	Journal of Energy Storage, 96 , 112668	2352-1538	https://doi.org/10.1016/j.est.2024.112668

11.	Antibacterial Activity of CdTe/ZnS Quantum Dot- β Lactum Antibiotic Conjugates	Sandeep K. Vaishnav, Jyoti Korram, Tikendra K. Verma, S. K. Jadhav, Rekha Nagwanshi, Manmohan L. Satnami	School Studies Chemistry	of in	Journal of Fluorescence, 34 , 833–846	1053-0509	http://dx.doi.org/10.1007/s10895-023-03316-x
12.	Influence of Essential Oil Composition on Antioxidant and Antibacterial Activities of Three Cultivars of Cymbopogon Flexuosus: In Vitro and In Silico Study	Nikita Raghuvashi, Bhanushree Gupta, Veenu Joshi, Surendra Singh Bisht, Madhu Manikpuri, Kamlesh Shukla, Dharmendra Khokhar, Namrata Singh, Kallol K. Ghosh	School Studies Chemistry	of in	Chemistry and Biodiversity, 22 , e202400966	1612-1872	https://doi.org/10.1002/cbdv.202400966
13.	Application of different adsorbent materials for the removal of organic and inorganic contaminants from water and wastewater-A review	Dharini Sahu, Shamsh Pervez, Indrapal Karbhal, Aishwaryashri Tamrakar, Archi Mishra, Sushant Ranjan Verma, Manas Kanti Deb, Kallol K. Ghosh, Yasmeen Fatima Pervez, Kamlesh Shrivastava, Manmohan L. Satnami	School Studies Chemistry	of in	Desalination and Water Treatment, 317 , 100253	1944-3986	https://doi.org/10.1016/j.dwt.2024.100253
14.	Particulate toxic elements oxidative potential and gastrointestinal bioaccessibility feature in the vicinities of coal fired mineral processing industries, India	Archi Mishra, Shamsh Pervez, Yasmeen Fatima Pervez, Madhuri Verma, Princy Dugga, Sushant Ranjan Verma, Indrapal Karbhal, Kallol K. Ghosh, Manas Kanti Deb, Manmohan L. Satnami & Kamlesh Shrivastava	School Studies Chemistry	of in	Environmental Geochemistry and Health, 47 , 72	0269-4042	https://doi.org/10.1007/s10653-025-02388-x
15.	A comparative Analysis of chemical vs green synthesis of nanoparticles and their various applications	Rameshwari A. Banjara, Ashish Kumar, Roman Kumar Aneshwari, Manmohan L. Satnami, S.K. Sinha	School Studies Chemistry	of in	Environmental Nanotechnology, Monitoring & Management, 22 , 100988	2215-1532	https://doi.org/10.1016/j.enmm.2024.100988
16.	Fourier Transform Infrared Spectroscopy (FTIR) Spectral Evaluation in Chrysanthemum flower species	Aishwariya Shukla, Shobhana Ramteke, Bharat Lal Sahu, Manas Kanti Deb	School Studies Chemistry	of in	Journal of Ravishankar University, Part-B, 37 , 39-45	0970-5910	https://doi.org/10.5222/8/JRUB.2024-37-2-5

17.	Multifunctional silver nanoparticules decorated N,S co-doped graphene as a sensitive colorimetric probe for L-cysteine detection as an antibacterial agent	Shubhra Sinha, Indrapal Karbhal, Manas Kanti Deb, Anushree Saha, Suryakant Manikpuri, Nagendra Kumar Chandrawanshi, Deepali Koreti, Khemraj, Rajiv Nayan	School of Studies in Chemistry	Inorganic Chemistry Communications, 169 , 113044	1387-7003	https://doi.org/10.1016/j.inoche.2024.113044
18.	Resin bound gold nanocomposites assisted SE/ATR-FTIR spectroscopy for detection of pymetrozine insecticide in vegetable samples	Anushree Saha, Ramsingh Kurrey, Manas Kanti Deb	School of Studies in Chemistry	Heliyon, 10 , e37856	2405-8440	https://doi.org/10.1016/j.heliyon.2024.e37856