

List of Publication 2023-2024

(01-07-2023 to 30-06-2024)

S.N	Title of paper	Name of the author/s	Department	Name of journal	ISSN number	Link to the recognition in UGC enlistment of the Journal
1	Recognition of malathion pesticides in agricultural samples by using α -CD functionalized gold nanoparticles as a colorimetric sensor	B Sahu, R Kurrey, MK Deb, BR Khalkho, S Manikpuri	Chemistry	Talanta, 259 , 124526	0039-9140	https://doi.org/10.1016/j.talanta.2023.124526
2	Dual-Mode Plasmonic and Paper-Based Colorimetric Assays for the Determination of Riboflavin in Green Leafy Vegetables and Whole Grains	Tikeshwari, Kamlesh Shrivastava*, Sanyukta Patel, Monisha, Tushar Kant, Santosh Singh Thakur, Shamsheer Pervez, Manas Kanti Deb, and Kallol K. Ghosh	Chemistry	ACS Food Sci. Technol, 3 , 1824-1834	2692-1944	https://doi.org/10.1021/acsfoodscitech.3c00235
3	Graphene-silver nano-ink for inkjet printing of paper electrode for electrochemical sensing of 4- nitrophenol	Monisha, Tushar Kant Tikeshwari, Kamlesh Shrivastava, Antresh Kumar Khemchand Dewangan	Chemistry	Materials Chemistry and Physics, 307 , 128161	0254-0584	https://doi.org/10.1016/j.matchemphys.2023.128161
4	Optical Properties of Fine Mode Aerosols over High-Altitude Himalayan Glacier Regions	S. R. Verma, S. Pervez, J. C. Chow, J. G. Watson, S. Muzaffarali A., P. Mandal, N. Afshan Khan, S. Tiwari, U. Chandra Dumka, R. K. Chakrabarty, M. Verma, Y. F. Pervez, A. Mishra, A. Tamrakar, H. N. Sowmya, M. K. Deb, K. K. Ghosh, V. K. Jain, I. Karbhal, K. Shrivastava, M. L. Satnami	Chemistry	ACS Earth and Space Chemistry, 7 , 1536-1544	2472-3452	https://doi.org/10.1021/acsearthspacechem.3c00088

5	Rice Straw-Derived Carbon Integrated with PANI: As an Electrode Material for High-performance Supercapacitor	Vaibhav Dixit, Rajiv Nayan, Shubhra Sinha, Suryakant Manikpuri, Manmohan L.	Chemistry	Journal of Ravishankar Shukla University, 36 , 60-71	0970-5910	10.52228/JRUB.2023-36-2-5
6	Progress in the design of portable colorimetric chemical sensing devices	Satnami, Kallol K. Ghosh, Manas Kanti Deb, Shamsh Pervez, Indrapal Karbhal*	Chemistry	Nanoscale, 15 , 19016-19038	2040-3364	10.1039/D3NR03803C
7	Studies on the Interaction of Imidazolium Ionic Liquids with Human Serum Albumin	Lavkesh Kumar Singh, Tanwar and Kallol K Ghosh	Chemistry	Journal of Ravishankar University, 37 , 72-87	0970-5910	10.52228/JRUB.2024-37-1-5
8	A Review on Extraction, Identification and Application of Pesticidal Active Phytoderived Metabolites	R. Jamunkar, D. Sinha, T. K. Patle, K. Shrivastava	Chemistry	Journal of Ravishankar University, 37 , 152-187	0970-5910	10.52228/JRUB.2024-37-1-5
9	Antibacterial Activity of CdTe/ZnS Quantum Dot- β Lactum Antibiotic Conjugates	Sandeep K Vaishanav, Jyoti Korram, Tikendra K Verma, SK Jadhav, Rekha Nagwanshi, Manmohan L Satnami	Chemistry	J. Fluoresc., 34 , 833-846	1053-0509	https://doi.org/10.1007/s10895-023-03316-x
10	Prominent Perspective on Existing Biological Hallmarks of Alzheimer's Disease	Namrata Singh, Srishti Sharma, Kallol K. Ghosh, Bhanushree Gupta, Kamil Kuca	Chemistry	Current Topics in Medicinal Chemistry, 24 , 1120-1133	0973-0532	DOI: https://doi.org/10.2174/0115680266292514240404040341
11	Basic and Advanced Logical Concept Derived from Surface Enhanced Infrared Spectroscopy (SEIRS) as Sensing Probe for Analysis of Chemical Species: A Brief Review	S Sinha, MK Deb, I Karbhal, S Manikpuri, R Nayan, B Markande	Chemistry	Journal of Ravishankar University, 37 , 88-111	0970-5910	DOI: 10.52228/JRUB.2024-37-1-6
12	Applications of Different Adsorbent Materials for the Removal of Organic and Inorganic Contaminants from Water and Wastewater-A Review, Desalination and Water Treatment	D.Sahu, S.Pervez, I.Karbhal, A. Tamrakar, A. Mishra, S.R.Verma, M.K.Deb, K.K.Ghosh, Y.F.Pervez, K.Shrivas and M.L.Satnami	Chemistry	Desalination and Water Treatment, 317 , 100253	1944-3986	https://doi.org/10.1016/j.dwt.2024.100253
13	Nanomaterial-enabled portable paper-based colorimetric and fluorometric devices: Progress in point-of-care diagnosis	K Tandey, K Shrivastava, A Sharma, T Kant, A Tejawani, MK Deb, S Pervez, KK Ghosh	Chemistry	Coordination Chemistry Reviews, 514 , 215919	0010-8545	https://doi.org/10.1016/j.ccr.2024.215919
14	Au@Ag nanoparticles: An Analytical Tool to Study the Effect of Tyrosine on Dopamine Levels	Angel Minj, Sushama Sahu, Lavkesh Kumar Singh Tanwar and Kallol K. Ghosh	Chemistry	RSC Adv, 14 , 19271-19283	2046-2069	10.1039/D4RA01872A

15	Inner-filter effect of nitrogen-doped carbon quantum dots–MnO ₂ nanotubes for smartphone- integrated dual-mode sensing of glutathione and captopril	AB Kujur, ML Satnami, Y Chawre, P Miri, A Sinha, R Nagwanshi, I Karbhal, KK Ghos RSC advances, 2024	Chemistry	RSC Adv, 14 , 20093-20104	2046-2069	10.1039/D4RA03287 J
16	PANI-Grafted Boron, Nitrogen Co-Doped Carbon Fiber: An Outstanding, High- Performance Super capacitor Electrode	Rajiv Nayan, Shubhra Sinha, Vaibhav Dixit, Manmohan L. Satnami, Kallol K. Ghosh, Shams Pervez, Manas Kanti Deb, Kamlesh Shrivastava, Manish K. Rai, Sandeep G. Yenchalwar, Kundan Wasnik, Sandesh R. Jadkar, Indrapal Karbhal	Chemistry	Journal of Energy Storage, 96 , 112668	2352-152X	https://doi.org/10.1016/j.est.2024.112668