

Publications

2024

1. Ramarao, B. V., Anand Solomon Kamalakaran, et al. "A Selective, Sensitive and Fast LC-MS/MS Method for Cabotegravir Quantification in Rat Plasma and Pharmacokinetic Investigations." *Biomedical Chromatography*, Nov. 2024, Wiley. <https://analyticalsciencejournals.onlinelibrary.wiley.com/doi/10.1002/bmc.6009>.
2. Jayaprakash, G. K., Bhavana Rikhari, P. Naik, et al. "Progress Nano-Hybrid Smart Coatings for Aerospace Applications." *ACS Symposium Series*, June 2024. <https://pubs.acs.org/doi/abs/10.1021/bk-2024-1469.ch012>.
3. Jayaprakash, Gururaj Kudur, Roberto Flores-Moreno, Sathish Reddy, and Bhavana Rikhari. "Surfactant (CTAB)-Modified Composite Electrodes for Electrochemical Determination of Drugs." *Advances in Surfactant Biosensor and Sensor Technologies*, July 2024, Springer. https://link.springer.com/chapter/10.1007/978-3-031-60832-2_11.
4. Natarajan, Sathiyamoorthy V., A. Suvitha, S. Abdul Rahim, and R. Sahara. "Intermolecular Hydrogen Bond Interactions in Water Clusters of Zwitterionic Glycine: DFT, MESP, AIM, RDG, and Molecular Dynamics Analysis." *Journal of Molecular Liquids*, Feb. 2024. <https://www.sciencedirect.com/science/article/abs/pii/S0167732223027393>.
5. Nayak, Sai Prasad, N. Swarnkar, Kiran Kumar J. K., et al. "Eco-Friendly Synthesis of Reduced Graphene Oxide as Sustainable Catalyst for Photodegradation of Methylene Blue." *Inorganic Chemistry Communications*, Jan. 2024. <https://www.sciencedirect.com/science/article/abs/pii/S1387700323014041>.
6. Rikhari, B., K. Saranya, M. Kalaiyarasan, M. Rahaman, G. Periyasami, S. Pandiaraj, et al. "Bioactive Conductive Polymer-Coated Titanium to Support Osseointegration." *Biomass Conversion and Biorefinery*, May 2024, Springer. <https://link.springer.com/article/10.1007/s13399-023-04712-w>.
7. Shruthi, M., S. Ashoka, K. Yogesh, H.-H. Jeong, U. T. Uthappa, M. Selvaraj, et al. "Influence of FeVO₄ Crystallinity on Oxygen Evolution Reaction Activity." *Ceramics International*, Jan. 2024.
8. Venkataramanan, N. S., A. Suvitha, and R. Sahara. "Unveiling the Intermolecular Interactions between Drug 5-Fluorouracil and Watson–Crick/Hoogsteen Base Pairs: A Computational Analysis." *ACS Omega*, June 2024. <https://pubs.acs.org/doi/full/10.1021/acsomega.4c01545>.
9. Boregowda, Dhanalakshmi, Belagal Motatis Anil Kumar, Sudhanva Muddenahalli Srinivasa, Hamse Kameshwar Vivek, Madhappan Sennappan, Shobith Rangappa, et al. "Design and Synthesis of 4-Aminophenol-1,3,4-Oxadiazole Derivative Potentiates Apoptosis by Targeting MAP Kinase in Triple Negative Breast Cancer Cells." *Journal of Biomolecular Structure and Dynamics*, Dec. 2024. <https://doi.org/10.1080/07391102.2023.2274973>.

10. Boregowda, Dhanalakshmi, Belagal Motatis Anil Kumar, Venkatappan Srinivasa Murthy, Sudhanva Muddenahalli Srinivasa, Hamse Kameshwar Vivek, Madhappan Sennappan, et al. "Design, Synthesis and Docking Studies of Novel 4-Aminophenol-1,2,4-Oxadiazole Hybrids as Apoptosis Inducers against Triple Negative Breast Cancer Cells Targeting MAP Kinase." *Journal of Biomolecular Structure and Dynamics*, July 2024.
<https://doi.org/10.1080/07391102.2023.2239912>.
11. Sennappan, M., V. Srinivasa Murthy, Praveen B. Managutti, P. Subhapriya, K. Gurushantha, Praveen C. Ramamurthy, et al. "Facile Synthesis of Azines by Carboxylic Acid Esters as Catalyst and Facilitation of Intersystem Crossing (ISC) in Azines by Azine Chromophore." *Scientific Reports*, Oct. 2024.
<https://doi.org/10.1038/s41598-024-75561-4>.
12. Sathpathy, Kabita, and Satya N. Tripathy. "Fuels: A Key Factor to Influence the Luminescence Properties of CaAl_2O_4 : Dy Phosphors." *The European Physical Journal B*, Oct. 2024, Springer.
<https://link.springer.com/article/10.1140/epjb/s10051-024-00799-w>.
13. Shanmugasundaram, E., A. Ravi, V. Ganesan, V. Narayanan, K. Vellaisamy, S. Pandikannan, et al. "Peanut Shell-Derived Activated Carbon Incorporated with Nitrogen Anode and Cobalt Cathode Materials ('Two-in-One' Strategy) for Asymmetric Supercapacitor (N-PAC//PVA-KOH//Co-PAC) Applications." *RSC Sustainability*, Nov. 2024.
<https://pubs.rsc.org/en/content/articlehtml/2024/su/d4su00399c>.