

## Research and Review Articles in the Academic Year 2023-24

1. Smita Jain, Kritika Madan, Ajita Paliwal, Pragya Sharma, Achal Mishra, Popat Mohite, Vijay Chidrawar, Sudarshan Singh, Decoding the molecular Symphony: Unravelling neurologically crucial GSK-3 inhibition through 2D QSAR modelling with MLR, PLS, and ANN approaches, *Results in Chemistry*, Volume 8, 101595, 2024
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3. Amol D. Gholap, Md Jasim Uddin, Md Faiyazuddin, Abdelwahab Omri, S. Gowri, Mohammad Khalid, Advances in artificial intelligence for drug delivery and development: A comprehensive review, *Computers in Biology and Medicine*, Volume 178, 108702, 2024
4. Rojekar S, Gholap AD, Togle N, Bhoj P, Haeck C, Hatvate N, Singh N, Vitore J, Dhoble S, Kashid S, Patravale V. Current status of mannose receptor-targeted drug delivery for improved anti-HIV therapy, *Journal of Controlled Release*, 372:494-521, 2024
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9. Sourav Mohanto, Aritra Biswas, Amol Dilip Gholap, Shadma Wahab, Adrija Bhunia, Sagnik Nag, Mohammed Gulzar Ahmed, Potential Biomedical Applications of Terbium-Based Nanoparticles (TbNPs): A Review on Recent Advancement, *ACS Biomaterials Science & Engineering*, Vol 10(5), 2024
10. Popat Mohite, Ramesh Bhusal, Yogita Khandre, Ramdas Pandhare & Anil Pawar, A new gas chromatographic method for quantification of Metformin hydrochloride and Vildagliptin in bulk and pharmaceutical dosage form: development and validation, *Future Journal of Pharmaceutical Sciences*, Volume 10(62), 2024

11. Mahesh P More, Sagar R Pardeshi, Rahul Tade, Pawan D Meshram, Jitendra B Naik, Prashant K Deshmukh, Development of an Analytical Quality by Design RP-HPLC Method and Its Validation for Estimation of Gefitinib From Bulk, Tablet Dosage Form, and Complex Nanoformulation, *Journal of AOAC INTERNATIONAL*, Volume 107(4), Pages 558–570, 2024
12. Yahya S. Alqahtani, Vijay R. Chidrawar, Shruti Shiromwar, Sudarshan Singh, Rahul Maheshwari, Havagiray Chitme, Naresh Babu Chilamakuru, Popat Mohite, Ahmed M. Aljameeli, Masood Medleri Khateeb, A multi-modal approach to investigate *Desmodium gangeticum*'s influence on stress-induced male infertility: In vivo, in vitro, and in silico assessments, *Biomedicine & Pharmacotherapy*, Volume 173, 116358, 2024
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15. Popat Mohite, Vaishnavi Yadav, Ramdas Pandhare, Swastika Maitra, Fayez M. Saleh, Rasha Mohammed Saleem, Hamdan S. Al-malky, Vinoth Kumarasamy, Vetrivelan Subramaniyan, Mohamed M. Abdel-Daim, and Daniel E. Uti, *ACS Omega*, 9 (7), 7277-7295, 2024
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