

RESEARCH: PUBLICATIONS

2023-24

1. Apte MM, Khattar E, Tupe RS. Mechanistic role of *Syzygium cumini* (L.) Skeels in glycation induced diabetic nephropathy *via* RAGE–NF– κ B pathway and extracellular proteins modifications: A molecular approach. *Journal of Ethnopharmacology*. 2024. 332: 117573. (IF: 5.4) (25th March 2024)
2. Saha S, Potphode D, Sharma C S, Hameed N, Salim N, 2-Methylimidazole assisted binder-free synthesis approach for hexagonal nickel-cobalt mixed oxide nanoplate as high-rate capability electrode for supercapacitor, *Journal of Energy Storage*. 2024. 81: 110424. (IF: 9.4) (15th March 2024)
3. Biswas D, Halder A, Barpanda A, Ghosh S, Chauhan A, Bhat L, Epari S, Shetty P, Moiyadi A, Ball GR, Srivastava S. Integrated meta-omics analysis unveils the pathways modulating tumorigenesis and proliferation in high-grade meningioma. *Cells*. 2023. 12(20): 2483. (IF: 6.0) (18th October 2023)
4. Cardoza E, Singh H. From Stress tolerance to virulence: Recognizing the roles of Csp's in pathogenicity and food contamination. *Pathogens* 2024. 13(1): 69. (IF: 3.7) (11th January 2024)
5. Dutta B, Shelar SB, Nirmalraj A, Gupta S, Barick KC, Gupta J, Hassan PA. Smart Magnetic Nanocarriers for Codelivery of Nitric Oxide and Doxorubicin for Enhanced Apoptosis in Cancer Cells. *ACS Omega*. 2023. 8 (47): 44545–44557. (IF: 4.1) (15th November 2023)
6. Dwivedi R, Prakash P, Kumbhar BV, Balasubramaniam M, Dash C. HIV-1 capsid and viral DNA integration. *mBio*. 2024. 15 (1): e00212-22. (IF: 0) (12th December 2023)
7. Fernandes A, D'Costa A, Nair A, Jathar S, Yadav AK, Jha P, Ravichandran V, Jobby R. Protective effects of indigenous lactic acid bacteria in *Artemia salina* challenged with *Vibrio parahaemolyticus*: an *in vitro* and *in silico* approach. *Marine Biology Research*. 2023. (IF: 1.1) (14th August 2023)
8. Fernandes A, Tungare K, Jathar S, Kunal SP, Jha P, Desai N, Jobby R. Isolation, characterization and therapeutic evaluation of lactic acid bacteria from traditional and non-traditional sources. *Food Biotechnology*. 2023. 37 (4): 364-392. (IF: 1.8) (14th November 2023)
9. Joshi M, Bhatt P. Deciphering the anticancer activity of biocompatible zinc oxide nanoparticles loaded with methotrexate on breast cancer cells. *Bulletin of Materials Science*. 2023. 46: 192. (IF: 1.8) (20th September 2023)
10. Kumar K, Patro P, Raut U, Yadav V, Barbora L, Moholkar VS. Elucidating the molecular mechanism of ultrasound-enhanced lipase-catalyzed biodiesel synthesis: a computational study. *Biomass Conversion and Biorefinery*. 2023. (IF: 4.0) (21st August 2023)

11. Manohar SM. At the Crossroads of TNF α Signaling and Cancer. *Current Molecular Pharmacology*. 2023. (IF: 2.7) (8th September 2023)
12. Patil P, Patil P, Dandge P, Bansode P, Kumbhar B, Chandane W, Rathod S, Choudhari P, Khot S, Valekar N, Pore D, Rashinkar G. Benzylpyrazolyl naphthoquinones as potential VEGFR-2, GPCR and PPAR inhibitors: Synthesis, anti-cancer evaluation, molecular docking and DFT studies. *Journal of Molecular Structure*. 2024. 1301: 137202. (IF: 3.8) (5th April 2024)
13. Phanse SK, Chandra S. Spray drying encapsulation of essential oils: Insights on various factors affecting the physicochemical properties of the microcapsules. *Flavour and Fragrance Journal*. 2024. DOI: <https://doi.org/10.1002/ffj.3774> (IF: 2.6) (3rd January 2024)
14. Shahu R, Kumar D, Ali A, Tungare K, Al-Anazi KM, Farah MA, Jobby R, Jha P. Unlocking the Therapeutic Potential of *Stevia rebaudiana* Bertoni: A Natural Antiglycating Agent and Non-Toxic Support for HDF Cell Health. *Molecules*. 2023. 28(19): 6797. (IF: 4.6) (25th September 2023)
15. Shetty S, Kamble A, Singh H. Insights into the Potential Role of Plasmids in the Versatility of the Genus *Pantoea*. *Molecular Biotechnology*. 2023. DOI: <https://doi.org/10.1007/s12033-023-00960-3>. (IF: 2.6) (26th November 2023)
16. Shinde V, Desai K. Selenium-methionine-folic acid nanoparticles (SeMetFa NPs) and its in vivo efficacy against rheumatoid arthritis. *Biological Trace Element Research*. 2023. (IF: 3.9) (8th September 2023)
17. Shekhar BR, Rupani K, Parkar SR, Nayak AS, Kumbhar BV, Khare SP, Menon S, Gawde H, Das DK. Identifying novel causal genes involved in glycosylation processes with familial schizophrenia: Prediction of ADAMTS9 gene variant for structural stability. *Gene*. 2023. 872: 147443. (IF: 3.913) (1st July 2023)