RESEARCH: PUBLICATIONS

2022-23

1. Agarwal P, Jobby R, Jha P. Overview of steviol glycosides: Action toward diabetes control. In: Pandita D, Pandita A, Bhanu C (Eds.). Antidiabetic Potential of Plants in the Era of Omics. 2022. Apple Academic Press. (30th Dec 2022)
2. Bhangoji JC, Suryavanshi UB, Mane GP, Wadhawa GC, Paware ND, Shendage SS. Highly dispersed Pd nanoparticles on NiO–CuO nanocomposite for efficient ethanol sensing. New Journal of Chemistry. 2023. 47: 12329-12338. (IF: 3.3) (5th June 2023)
3. Bharindwal S, Goswami N, Jha P, Pandey S, Jobby R. Prospective use of probiotics to maintain astronaut health during spaceflight. Life. 2023. 13(3): 727. (IF: 3.253) (8th March 2023)
4. Doijad SP, Gisch N, Frantz R, Kumbhar BV, Falgenhauer J, Imirzalioglu C, Falgenhauer L, Mischnik A, Rupp J, Behnke M, Buhl M, Eisenbeis S, Gastmeier P, Gölz H, Häcker GA, Käding N, Kern WV, Kola A, Kramme E, Peter S, Rohde AM, Seifert H, Tacconelli E, Vehreschild MJGT, Walker SV, Zweigner J, Schwudke D, DZIF R-Net Study Group, Chakraborty T. Resolving colistin resistance and heteroresistance in Enterobacter species. Nature Communications. 2023. 14: 140. (IF: 17.69) (10th Jan 2023)
5. Dumasia NP, Khanna AP, Pethe PS. Retinoic acid signaling is critical for generation of pancreatic progenitors from human embryonic stem cells. Growth Factors. 2022. 41(1): 8-19. (IF: 2.394) (14th Nov 2022)
6. Fernandes FG, Gala K, Khattar E. Telomerase inhibitor MST-312 and quercetin synergistically inhibit cancer cell proliferation by promoting DNA damage. Translational Oncology. 2023. 27:101569. Doi: 10.1016/j.tranon.2022.101569. (IF: 4.803) (January 2023)
7. Gocher CP, Pandita N, Choudhury RP, Bhakthavatsalam V. Understanding microstructural heterogeneity in low and high molecular weight fractions of polydisperse polyisobutylene by SEC and NMR for its reactivity. Journal of Polymer Research. 2022. 29: 449. (IF: 3.061) (4th Oct 2022)
8. Jadhav RW, Wagalgave SM, Kumbhar BV, Khadake RM, Rode AB, Bhosale SV, Bhosale SV. Aminoglycoside antibiotic kanamycin functionalized tetraphenylethylene molecular probe for highly selective detection of bovine serum albumin protein. Scientific Reports. 2022. 12: 11526. (IF: 4.996) (7th July 2022)
9. Jain K, Marwal A, Sharma K, Desai N. Analysis of Physicochemical properties, available nutrients of soil and their correlation with incidence of Telya disease of pomegranate at northern Nasik, Maharashtra. Defence Life Science Journal. 2022. 7(3): 232-244. (IF: 0) (13th Sep 2022)

10. Jain K, Marwal A, Sharma K, Desai N. Identification of etiological agent of Telya disease of pomegranate, its pathogenesis and control using integrated management approach. Research Journal of Biotechnology. 2023. 18(1): 51-66. (IF: 0) (23rd January 2023)
11. Jain M, Madeka S, Khattar E. Optimization of performance parameters of the TAGGG telomere length assay. Cancer Research. 2023. Doi: 10.3791/65288. (IF: 1.4) (21st April 2023)
12. Jathar S, Dakhni S, Shinde D, Fernandes A, Jha P, Desai N, Sonawane T, Jobby R. Differential expression of antioxidant enzymes in chlorine-resistant *Acinetobacter* and *Serratia* spp. isolated from water distribution sites in Mumbai: A study on mechanisms of chlorine resistance for sustainable water treatment strategies. Sustainability. 2023. 15(10): 8287. (IF: 3.889) (19th May 2023)
13. Kanse S, Khandelwal M, Pandey RK, Khokar M, Desai N, Kumbhar BV. Designing a multi-epitope-based vaccine against VP1 major coat protein of JC Polyomavirus using Immunoinformatics and molecular modeling approach. Vaccines. 2023. 11(7): 118. (IF: 7.8) (30th June 2023)
14. Manohar SM, Joshi KS. Molecular pharmacology of multitarget cyclin-dependent kinase inhibitors in human colorectal carcinoma cells. Expert Opinion on Therapeutic Targets. 2023. 27(3). Doi: 10.1080/14728222.2023.2199924. (IF: 6.797) (11th April 2023)
15. Manohar SM, Yadav UM, Kulkarnii CP and Patil RC. An Overview of the Phytochemical and Pharmacological Pro□le of the Spurred Mangrove Ceriops tagal (Perr.) C. B. Rob. Journal of Natural Remedies. 2023. 23 (1): 57-72. (30th January 2023)
16. Marwal A, Jain K, Sharma K, Desai N. Analysis of physicochemical properties, available nutrients of soil and their correlation with incidence of telya disease of pomegranate at northern Nasik, Maharashtra. Agricultural and Biological Research. 2022. 38(2): 262–267. (IF: 0) (13th Sep 2022)
17. Mirchandani Y, Patravale V, Brijesh S. Hyaluronic acid-coated solid lipid nanoparticles enhance antirheumatic activity and reduce toxicity of methotrexate. Nanomedicine. 2022. 17(16). Doi: 10.2217/nnm-2022-0009. (IF: 6.096) (Jul 2022)
18. Nautiyal R, Tavar D, Suryavanshi U, Singh G, Singh A, Vinu A, Mane GP. Advanced nanomaterials for highly efficient CO2 photoreduction and photocatalytic hydrogen evolution. Science and Technology of Advanced Materials. 2022. Doi: 10.1080/14686996.2022.2149036 (IF: 7.662) (8th Dec 2022)
19. Pandey SP, Jha P, Singh PK. An ultrasensitive and selective method for visual detection of heparin in 100 % human plasma. Talanta. 2023. 253: 124040 (IF: 6.556) (1st Feb 2023)
20. Pathak SO, Manohar SM. Molecular milieu of autophagy in cervical cancer and its therapeutic implications. Current Cancer Drug Targets. 2023. Doi: 10.2174/1568009623666230412104913. (IF: 2.907) (12th April 2023)

21. Pawar A, Pandita N. Application of the “Method Operable Design Region” (MODR) approach for the development of a UHPLC method for the assay and purity determination of risperidone in risperidone drug substance and other formulations. Biomedical Chromatography. 2022. Doi: 10.1002/bmc.5433 (IF: 1.911) (Oct 2022)
22. Peerzada Z, Shah MD, Kharkar PS, Desai KB. Exploration of the inhibitory effect of *Cassia fistula* on quorum sensing mediated virulence factor production and biofilm activity in *Pseudomonas aeruginosa*: an in vivo study in model organism *Caenorhabditis elegans*. Journal of Medical Microbiology. 2023. 72(2). Doi: 10.1099/jmm.0.001578. (IF: 3.196) (14th February 2023)
23. Phanse SK, Sawant S, Singh H, Chandra S. Physico-chemical and antimicrobial efficacy of encapsulated dhavana oil: evaluation of release and stability profile from base matrices. Molecules 2022, 27(22): 7679 (IF: 4.927) (8th Nov 2022)
24. Ramani S, Samant S, Manohar SM. The story of EGFR: from signaling pathways to a potent anticancer target. Future Medicinal Chemistry. 2022. 14(17). Doi: 10.4155/fmc-2021-0343 (IF: 4.767) (Sep 2022)
25. Rozindar A, Virupakshaiah DBM, Meti B, Kumbhar BV, Oli AK. Identification of potential human chymase inhibitors using molecular docking and molecular dynamics simulation. Journal of Applied and Natural Science. 2023. 15(1): 1–8. (IF: 0) (19th March 2023)
26. Sahoo S, Brijesh S. Pharmaceutical applications of coriander in neurodegenerative disorders. In: Ramadan MF (Ed.) Handbook of Coriander (*Coriandrum sativum*): Chemistry, Functionality, and Applications. 1st Edn. CRC Press: Boca Raton. https://doi.org/10.1201/9781003204626. eISBN: 9781003204626 (Jan 2023)
27. Sawant S, Dugad J, Parikh D, Srinivasan S, Singh H. Oral microbial signatures of tobacco chewers and oral cancer patients in India. Pathogens. 2023. 12(1): 7 (IF: 4.531) (3rd January 2023)
28. Shetty, A., Chandra, S. (2022). Engineered Hybrid Nanoparticles for Multimodal Medical Imaging and Diagnosis. In: Chaughule, R.S., Patkar, D.P., Ramanujan, R.V. (eds) Nanomaterials for Cancer Detection Using Imaging Techniques and Their Clinical Applications. Springer, Cham. Doi: 10.1007/978-3-031-09636-5_12 (18th Oct 2022)
29. Singh S, Chauhan P, Sharma V, Rao A, Kumbhar BV, Prajapati V. Identification of multi-targeting natural antiviral peptides to impede SARS-CoV-2 infection. Structural Chemistry, 2022. DOI: 10.1007/s11224-022-02113-9 (IF: 1.795) (Dec 2022)
30. Sundarrajan P, Bhagtaney L. Biotechnologically engineered transgenic medical plants: Exploration of antidiabetic properties. In: Pandita D, Pandita A, Bhanu C (Eds.). Antidiabetic Potential of Plants in the Era of Omics. 2022. Apple Academic Press. (Oct 2022)

31. Tungare K, Shahu R, Zambare V, Agarwal A, Jobby R, Nisar N, Alabdallah NM, Al-Saeed FA, Johri P, Singh S, Saeed M, Jha P. Toxicity mitigation of textile dye reactive blue 4 by hairy roots of *Helianthus annuus* and testing its effect in *in vivo* model systems. BioMed Research International. 2022. 2022: 1958939 (IF: 3.426) (25th July 2022)
32. Virdi JK, Pethe P. Soft substrate maintains stemness and pluripotent stem cell-like phenotype of human embryonic stem cells under defined culture conditions. Cytotechnology. 2022. 74: 479–489. (IF: 2.040) (Aug 2022)
33. Zade NH, Khattar E. POT1 mutations cause differential effects on telomere length leading to opposing disease phenotypes. Journal of Cellular Physiology. 2023. 238(6): 1237–1255. (IF: 6.513) (14th May 2023)