

RESEARCH: PUBLICATIONS

2020-21

1. Alekar AN. The outcomes of fetal cell microchimerism in the mother. *Biomedical Research Journal*. 2021. 8: 1–6. (IF: 0)
2. Anerao J, Sharangi G, Jha V, Pardhi V, Chavan S, Desai N, Mangaonkar K. Molecular Analysis and Phytochemical Profiling to Explore the Diversity of *Garcinia* Species Collected from Western Ghats of India. *Acta Botanica Hungarica*. 2021. 63(1–2): 1–30. (IF: 0)
3. Anerao J, Jha V, Shaikh N, Shivalkar A, Nityanand A, Sawant D, Rao GR, Mangaonkar K, Deodhar M, Desai N. DNA barcoding of important fruit tree species of agronomic interest in the genus *Garcinia* L. from the Western Ghats. *Genetic Resources and Crop Evolution*. 2021. 68: 3161–3177. (IF: 1.524)
4. Balakrishnan A, Walimbe K, Awasthi S, Athreya S, Saini V. Analeptic properties of rosuvastatin and CQ10 combination. *International Journal of Medical and Biomedical Studies*. 2021. 5: 84–111. (IF: 0)
5. Bharte S, Desai K. Techniques for harvesting, cell disruption and lipid extraction of microalgae for biofuel production. *Biofuels*. 2021. 12(3): 285–305. (IF: 1.496)
6. Bhattacharyya K, Mane G, Rane V, Tripathi A, Tyagi A. Selective CO₂ Photoreduction with Cu doped TiO₂ photocatalyst: delineating the crucial role of Cu-oxidation state and oxygen vacancie. *The Journal of Physical Chemistry C*. 2021. 125 (3): 1793–1810. (IF: 4.189)
7. Chikhaliwala P, Chandra S. Poly-amidoamine dendrimers@Fe₃O₄ based electrochemiluminescent nanomaterials for biosensing of liver cancer biomarkers. *Electroanalysis*. 2020. 31 (11): 2404-2414. (IF: 2.544)
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9. Choudhury S, Nautiyal R, Thakkar DK, Betty CA. Thickness dependence of nanocrystalline tin oxide thin films in capacitive biosensor characterization. *Journal of Electroanalytical Chemistry*. 2020. 877: 114742. (IF: 3.807)
10. Dave R, Irani A. Effect of musculoskeletal disorders on health-related quality of life of light engineering maintenance personnel. *International Journal of Current Research and Review*. 2020. 12(15): 110–116 (IF: 0)

11. Dave R, Irani A. Work related musculoskeletal disorders in defence personnel involved in heavy engineering maintenance. *Journal of Ecophysiology and occupational health*. 2020. VI(294): 294–304. (IF: 0)
12. Desai D, Khanna A, Pethe P. PRC1 catalytic unit RING1B regulates early neural differentiation of human pluripotent stem cell. *Experimental Cell Research*. 2020. 396 (1): 112294. (IF: 3.383)
13. Desai D, Pethe P. ChIP-qPCR for Polycomb group proteins during neuronal differentiation of human pluripotent stem cells. *Methods in Molecular Biology*. 2021. DOI: 10.1007/7651_2021_400 (IF: 0)
14. Dumasia NP, Khanna AP, Pethe PS. Sonic hedgehog signals hinder the transcriptional network necessary for pancreatic endoderm formation from human embryonic stem cells. *Genes to Cells*. 2021. 26 (5): 282-297. (IF: 1.655)
15. Dumasia D, Pethe P. Pancreas development and the polycomb group protein complexes. *Mechanisms of Development*. 2020. 164: 103647. (IF: 2.216)
16. Fernandes SG, Dsouza R, Khattar E. External environmental agents influence telomere length and telomerase activity by modulating internal cellular processes: Implications in human aging. *Environmental Toxicology and Pharmacology*. 2021. 85: 103633. (IF: 3.292)
17. Fernandes SG, Dsouza R, Pandya G, Kirtonia A, Tergaonkar V, Lee SY, Garg M, Khattar E. Role of telomeres and telomeric proteins in human malignancies and their therapeutic potential. *Cancers (basel)*. 2020. 12 (7) 1901. (IF: 6.126)
18. Gala K, Khattar E. An overview on the application of nanodiagnostics in cancer. *Biomedical Research Journal*. 2020. 7 (2): 40-44. (IF: 0)
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20. Jain K, Desai N, Sharma K, Marwal A. Development and screening of byproduct for its secondary metabolites, antioxidant and anti-diabetic potential from anthracnose-infected fruits of pomegranate: a sustainable approach. *3 Biotech*. 2021. 11: 74. (IF: 2.406)
21. Jha P, Sen R, Jobby R, Sachar S, Bhatkalkar S, Desai N. Biotransformation of xenobiotics by hairy roots. *Phytochemistry*. 2020. 176: 112421. (IF: 4.072)
22. Jha S, Thakur ND. Efficacy and toxicity study of *Nardostachys jatamansi* DC and *Valeriana wallichii* DC in sleep disorders. *International Journal of Research in Engineering, Science and Management*. 2020. 3(10): 100–106. (IF: 0)
23. Kamble A, Sawant S, Singh H. 16S ribosomal RNA gene-based metagenomics: A review. *Biomedical Research Journal*. 2020. 7(1): 5–11. (IF: 0)

24. Khandare RV, Watharkar AD, Pawar PK, Jagtap AA, Desai NS. Hydrophytic plants *Canna indica*, *Epipremnum aureum*, *Cyperus alternifolius* and *Cyperus rotundus* for phytoremediation of fluoride from water. *Environmental Technology and Innovation*. 2021. 21: 101234. (IF: 5.236)
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28. Kulkarni L, Sabnis S, Ghosh S. Parameter estimation for multi-state coherent series and parallel systems with positively quadrant dependent models. *Sankhya Series A*. 2020. DOI: 10.1007/s13171-020-00217-0 (IF: 0.725)
29. Kulkarni L, Sabnis S. Construction of optimal reliability test plans for binary type multi-state strongly coherent systems. *Communications in Statistics - Theory and Methods*. 2021. 50(12). DOI: 10.1080/03610926.2019.1676444. (IF: 0.424)
30. Kulkarni P. *Bacopa monnieri* (Brahmi): A potential treatment course for neurological disorders: Review. *International Journal of Herbal Medicine*. 2021. 9: 10–18. (IF: 0)
31. Kwatra B, Yadav P, Balasubramaniam S, Garg S, Koyande T. Reviewing major microbes as a single cell protein. *International Journal of Medical and Biomedical Studies*. 2021. 5(3): 143–162. (IF: 0)
32. Manohar SM. Insights into the molecular drivers of prostate cancer. In: Watanabe HS (Ed.). *Horizons in Cancer Research*. Vol. 76. Series: Horizons in Cancer Research. Nova Medicine and Health
33. Manohar SM, Shah P, Nair A. Flow cytometry: principles, applications and recent advances. *Bioanalysis*. 2021. 13 (3): 181-198. (IF: 2.371)
34. Menai K, Irani A. Effects of vitamin D3 deficiency on performance in indian football players. *International Journal of Current Research and Review*. 2020. 12(24): 58–63. (IF:0)
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36. Mohammad S, Vandanapu S, Irani A, Kodurupaka P, Bhartiya M, V. Sharmila. Effect of exercise therapy in multidisciplinary approach of parkinson disorder: A short review. *Indian Journal of Neurosciences*. 2020. 6(4): 267–271. (IF: 0)
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40. Puri A. Detection Potential of Recently Discovered Techniques for Recovering Latent Fingerprints: A Review. Journal of Forensic Science and Criminology. 2021. 9: 105–112. (IF: 0)
41. Rao J, Chandrani A, Powar A, Chandra S. Design and application of polyurea microcapsules containing herbicide (oxyfluorfen). Designed Monomers and Polymers. 2020. 23 (1). (IF: 1.58)
42. Rao J, Chandrani A, Powar A, Chandra S. Release behavior of oxyfluorfen polyurea capsules prepared using PVA and Kraft lignin as emulsifying agents and phytotoxicity study on paddy. Green Chemistry Letters and Reviews. 2021. 14 (2). (IF: 3.289)
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44. Sakhalkar M, Choudhury RP, Bhaktavatsalam V, Lande S, Chandra S. Deep compositional understanding of TBA: AlCl₃ ionic liquid for its applications. Journal of Molecular Structure. 2020. 1222: 128936. (IF: 2.463)
45. Sawant S, Dugad J, Parikh D, Singh H. Absolute quantitation of oral bacteria involved in oral cancer by real-time PCR. Medicine in Microecology. 2021. 7: 100034. (IF: 0)
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49. Shetty A, Chikhaliwala P, Suryawanshi J, Chandra S. Understanding physico-chemical interactions of dendrimers with guest molecules for efficient drug and gene delivery. Current Pathobiology Reports. 2021. 9: 57–70. (IF: 0)

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52. Singh S, Chandra S. Nano-flowered manganese doped ferrite@PANI composite as energy storage electrode material for supercapacitors. *Journal of Electroanalytical Chemistry*. 2020. 874: 114491. (IF: 3.807)
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