

LIST OF RESEARCH PUBLICATIONS (Published/Accepted): 98

1. Vijendra Kumar N., Rekha N.D., B.Y. Sathish Kumar, G. Karthik, **Mallesha L.** Kavya H V., Chamaraja N.A., Biogenic and characterization of silver nanoparticles as promising an antimicrobial, anti-inflammatory, anti-proliferative and anti-angiogenic activity, **IJPSDR**, **August 2024** (Accepted), Scopus.
2. Rahul H. K., Vijendra Kumar N., Mallikarjun B Chougala, Nagendra Prasad H.S., **Mallesha L.** Antibacterial Studies of Metal Complexes of Benzodioxane Derivative Against Gram Positive and Gram Negative Bacteria, **Bioscene**, **June 2024**, 1133-1147, IF=0.5, Scopus.
3. H. V. Kavya, S. Sachhidananda, M. A. Sangamesha, N. D. Rekha, B. K. Kendagannaswamy, N. A. Chamaraja, **L. Mallesha**. An Optical, electrical and biological properties of PVP-PVA/Ca doped CoO Nanocomposites for Opto-electronic and biological applications, **Ionics**, **28 July 2024**, **Springer**, IF=2.4, Scopus.
4. T.N.Lohith, M.K.Hema, C.S.Karthik, S.Sandeep, **L.Mallesha**, P.Mallu, R.Jothi Ramalingam, M.A.Sridhar, Muthusamy Karnan, N.K.Lokanath. Probing the hydrogen bond network in the crystal structure of a sulfonamide derivative: A quantum chemical approach, **Journal of Molecular Structure**, Volume 1289, **30 May 2023**, 135841, **Elsevier Science Direct** IF=3.8, Scopus.
5. T.N.Lohith, M.K.Hema, C.S.Karthik, S.Sandeep, **L.Mallesha**, P.Mallu, R.Jothi Ramalingam, M.A.Sridhar, Muthusamy Karnan, N.K.Lokanath. N-[2-(5-bromo-2-chloropyrimidin-4-yl)thio]-4-methoxy-phenyl]-4-chlorobenzenesulfonamide: The existence of H-bond and halogen bond interactions assisted supramolecular architecture – A quantum chemical investigation, **Journal of Molecular Structure**, Volume 1267, **5 November 2022**, 133476, **Elsevier Science Direct** IF=3.8, Scopus.
6. Vinaykumar L., Yogananda K.C., Vijendra Kumar N., Vidya J.S. and **Mallesha L.** Effects of gamma radiation on the electrical properties of biopolymer electrolyte. **Research Journal of Chemistry and Environment**, 2022, 26(8), 98-101, **August 2022**, (IF= 0.24). SCOPUS, UGC 68381/98, ISSN 2278-4527. World Researchers and Associations.
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8. T.N.Lohith, M.K.Hema, C.S.Karthik, S.Sandeep, **L.Mallesha**, Norah SalemAlsaieri, M.A.Sridhar, Khadijah M.Katubi, Khamael M.Abualnaja, N.K.Lokanath, P.Mallu, S.R.Kumaraswamy. Persistent prevalence of non-covalent interaction in pyrimidine containing sulfonamide derivative: A quantum computational analysis. **Journal of Molecular Structure**, ISSN: 0022-2860, **Elsevier Science Direct**, **26th May 2022**, 1266, 133378, IF=3.8, Scopus.
9. Karthik G, Vidya J.S. and **Mallesha L.** Review on biological activity and corrosion studies of 1,2,4-triazole derivatives. **International Journal of Research and analytical Review**, IJRAR.ORG, ISSN: 2348-1269, 9(2), 350-367, **April 2022**.
10. H.S.NagendraPrasada, A.P.Ananda, T.N.Lohith, P.Prabhuprasad, H.S.Jayanth, N.B.Krishnamurthy, M.A.Sridhar, **L.Mallesha**, P.Mallu. Design, synthesis, molecular docking and DFT computational insight on the structure of Piperazine sulfynol derivatives as a new

antibacterial contender against superbugs MRSA. **Journal of Molecular Structure, ISSN: 0022-2860, Elsevier ScienceDirect, Jan 2022**, IF=3.2, Scopus, 1247.

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12. C.S. Karthik, Karthik Kumar, S. Naveen, **L. Mallesha**, P. Mallu, M.V. Deepa Urs, N.K. Lokanath. Thermal, optical, etching, structural studies and theoretical calculations of [1-(2,5-Dichloro-benzenesulfonyl)-piperidin-4-yl]-(2,4-difluoro-phenyl)-methanone oxime. **Journal of Molecular Structure, ISSN: 0022-2860, Elsevier, Science Direct, August 2021**, IF=3.2, Scopus, 1224, 1-14.
13. **L. Mallesha**, Vinay G., and B. Veeresh. Anticonvulsant activity of 2-amino-4-chloro-6-methyl pyrimidine derivatives: Synthesis and characterization. **Research Journal of Chemistry and Environment**. World Researchers Associations, **Scopus**, IF=0.3, 25(8), 1-9, **August 2021**.
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18. H.S. Nagendra Prasad, H.M.Manukumar, C.S.Karthik, **L.Mallesha**, P.Mallu. A novel copper (II) PAmPiCaT complex (cPAmPiCaTc) as a biologically potent candidate: A contraption evidence against methicillin-resistant **Staphylococcus aureus** (MRSA) and a molecular docking proof. **Bioorganic & Medicinal Chemistry, Feb 2019**, Elsevier, ISSN: 0968-0896, IF=2.9, Scopus.
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