**List of Research Publications**

**2024**

1. Kereyagalahally H. Narasimhamurthy , Toreshettahally R. Swaroop , Kanchugarakoppal S. Rangappa ,A review on progress of thiazole derivatives as potential anti-inflammatory agents; ***European Journal of Medicinal Chemistry Reports*, *12, 2024, 100225,***  [**https://doi.org/10.1016/j.ejmcr.2024.100225**](https://doi.org/10.1016/j.ejmcr.2024.100225) **(IF: 6.5)**
2. Shalini V, Priyadarshini A N, Harsha Kachigere B , Vinay Kumar D C , Darshini Gowda , Chethan B S , Sudhanva M Srinivasa , Shobith Rangappa , Kanchugarakoppal S Rangappa; Novel quinoline-4-carboxamide derivatives potentiates apoptosis by targeting PDK1 to overcome chemo-resistance in colorectal cancer: Theoretical and experimental results; ***Heliyon, 2024,* 10, e38105** **(IF: 3.4)**
3. Shalini V. Gowda, Na Young Kim, Kachigere B. Harsha, Darshini Gowda, Rajaghatta N. Suresh, Amudha Deivasigamani, Chakrabhavi Dhananjaya Mohan, Kam Man Hui, Gautam Sethi, Kwang Seok Ahn, Kanchugarakoppal S. Rangappa; A new 1,2,3-triazole-indirubin hybrid suppresses tumor growth and pulmonary metastasis by mitigating the HGF/c-MET axis in hepatocellular carcinoma; ***Journal of Advanced Research; 2024,*** [**https://doi.org/10.1016/j.jare.2024.08.033**](https://doi.org/10.1016/j.jare.2024.08.033)**(IF: 11.4)**
4. S. Chandrakantha, Ziteng Zuo, B.NF. Chandrashekar, Abbas Amini, Kanchugarakoppal S. Rangappa, Srikantaswamy Shivanna, Chun Cheng; Synergistic Effects of 1T-2H MoS2 and Laser-Reduced Graphene Oxide-ZnO Scaffold Composite Catalyst for Efficient Hydrogen Evolution Reaction; ***Materials Today Energy,* 2024,** [**45, 101683**](https://doi.org/10.1016/j.mtener.2024.101683) **(IF: 9)**
5. Toreshettahally R. Swaroop, Rahym Bakyyev, Kanchugarkoppal S. Rangappa, Lokman Torun; Coondensation of Amines with S-Methyl Thiouronium Salts: Another Entry for the Synthesis of Amidines: ***Synlett*,** **2024,** 35,1703-1706
6. Young Yun Jung, Rajaghatta N. Suresh, Chakrabhavi Dhananjaya Mohan, Kachigere B. Harsha, Chilkunda Sannaiah Shivakumara, Kanchugarakoppal S. Rangappa, Kwang Seok Ahn; A new isoxazolyl-urea derivative induces apoptosis, paraptosis, and ferroptosis by modulating MAPKs in pancreatic cancer cells; ***Biochimie*,** ,2024,
7. Min Hee Yang, Basappa Basappa, Suresha N. Deveshegowda, Akshay Ravish, Arunkumar Mohan, Omantheswara Nagaraja, Mahendra Madegowda, Kanchugarakoppal S.Rangappa, Amudha Deivasigamani, Vijay Pandeye, Peter E. Lobiee, Kam Man Huid, Gautam Sethi, Kwang Seok Ahna; A novel drug prejudice scaffold-imidazopyridine-conjugate can promote cell death in a colorectal cancer model by binding to β-catenin and suppressing the Wnt signaling pathway; ***Journal of Advanced Research; 2024,* https://doi.org/10.1016/j.jare.2024.07.022(IF: 11.4)**
8. Rajaghatta N. Suresh , Young Yun Jung, Kachigere B. Harsha, Chakrabhavi Dhananjaya Mohan , Kwang Seok Ahn, Kanchugarakoppal S. Rangappa; Isoxazolyl-urea derivative evokes apoptosis and paraptosis by abrogating the Wnt/β-catenin axis in colon cancer cells;[***Chemico-Biological Interactions***](https://www.sciencedirect.com/journal/chemico-biological-interactions)***,***[**2024, *399***](https://www.sciencedirect.com/journal/chemico-biological-interactions/vol/399/suppl/C)**,  111143 (IF:4.7)**
9. Chakrabhavi Dhananjaya Mohan, Kanchugarakoppal S Rangappa, Gautam Sethi; Transmembrane protein 25 abrogates monomeric EGFR-driven STAT3 activation in triple-negative breast cancer; ***MedComm,* 2024, 5:e492(IF: 9.9)**
10. Dr Kothanahally S Sharath Kumar, Shobith Rangappa; Kanchugarakoppal S. RangappaSulfur (SVI)-containing heterocyclic hybrids as antibacterial agents against methicillin-resistant Staphylococcus aureus (MRSA) and its SAR; ***Bioorganic Chemistry*, 2024, 145, 107241(IF: 5.3)**
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3. D.C. Vinay Kumar, B.S. Chethan, Shalini V, K.S. Rangappa, N.K. Lokanath; Structural elucidation and in-silico evaluation of 1,2,4-triazole derivative as potent Omicron variant of SARS-CoV-2 spike protein inhibitor with pharmacokinetics ADMET and drug-likeness predictions***. Journal of Molecular Structure,* 2024,** **doi.org/10.1016/j.molstruc.2023.136976,** **5 Feb 2024, 136976. (IF:3.8)**

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7. Darshini Gowda, Harsha KB, Shalini V, Shobith R, Rangappa KS; Microwave assisted one-pot access to pyrazolo quinolinone and tetrahydroisoxazolo quinolinone derivatives via T3P®-DMSO catalysed tandem oxidative–condensation reaction; ***RSC Advances***, **2023, 13, 28362-28370. (IF : 4.036)**
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