Complete List of Research Publications

2025

1. Vijayashankar Honnabandar, K., Prapullachandra, S.L., Swaroop, T.R., Rangappa, K.S. and Mantelingu, K., Synthesis of 2-acylthiazoles by the cyclocondensation of bromoacetaldehyde diethyl acetal with α-oxothioamides. ***Phosphorus, Sulfur, and Silicon and the Related Elements***, **2025**, 8, 613-617. **(IF: 1.6)**

2. Yoon, B., Suresh, R.N., Shivakumara, C.S., Harsha, K.B., Mohan, C.D., Sethi, G., Rangappa, K.S. and Ahn, K.S., Triazolyl-Indolo-Quinoxaline Triggers Differential Cell Death Pathways in Pancreatic Cancer *via* ROS/p38 Axis. ***Chemico-Biological Interactions,*** **2025**, 111668. **(IF: 5.4)**

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;*** **73, 2025, 341-356. (IF: 11.4)**

4. Yoon, B., Suresh, R.N., Mohan, C.D., Harsha, K.B., Shivakumara, C.S., Chinnathambi, A., Alharbi, S.A., Sethi, G., Rangappa, K.S. and Ahn, K.S., Triazole-quinoxaline attenuates epithelial-to-mesenchymal transition by suppressing the Wnt/β-catenin pathway in human colorectal cancer cells. ***Archives of Biochemistry and Biophysics***, **2025**, 110476. **(IF:3.8)**

5. Jie Yuan, Geng Wang, Narasimha M. Beeraka, Hua Zhang, Qun Wang, Danfeng Zhang, Minghua Wang, Akshay Ravish, Arunachalam Chinnathambi, Sulaiman Ali Alharbi, Kanchugarakoppal S. Rangappa, Vladimir N. Nikolenko, Basappa Basappa, Li Yang. Dual action of pyrimidine derivatives: Targeting tamoxifen resistance in breast cancer, ***Translational Oncology,*** **2025**, *58*, 102418 **(IF:4.5)**

6. S. M. Rajesh, D.C. Vinaykumar, V. Shalini, Harsha K. B, Darshini Gowda: Structural analysis and computational studies of cyclopropane derivatis as an anti-Alzheimer's agent: Investigation of interactions by X-ray crystallograpgy, DFT, molecular docking, and ADMET approaches. ***Journal of Molecular Structure.***1341, **2025,** 142665 **(IF:4.0)**

7. M. B. Ashwini, V., Shalini S., M. Vanamala., K. S. Rangappa**.,** The Complexities of Past Memory and Alzheimer's disease in Maternal Relationships: "Avni Doshi's Burnt Sugar. ***Proc. Natl. Acad. Sci., India, Sect. B Biol. Sci.*** 2025. https://doi.org/10.1007/s40011-025-01720-w

8. Uppar, P.M., Kim, N.Y., Harish, K.K., Beeraka, N.M., Gaonkar, S.L., Madegowda, M., Sethi, G., Rangappa, K.S., Nikolenko, V.N., Chinnathambi, A. and Alharbi, S.A., Targeting breast cancer cells with 2-Indolyl-1, 3, 4-oxadiazole

compounds by inducing apoptosis, paraptosis and autophagy. ***Chemico-Biological Interactions***, **2025.** *415,* 111528. **(IF:4.7)**

9. Kemparajegowda, Rajaghatta N. Suresh, Toreshettahally R. Swaroop, Muddegowda Umashankara, Kempegowda Mantelingu, Kanchugarakoppal S. Rangappa, Electrochemical synthesis of 2,5-disubstituted-1,3,4-thiadiazoles via oxidative cyclization of benzothiohydrazides and aldehydes catalyzed by tetra-n-butylammonium iodide. ***Tetrahedron Lett,*** **2025,** *163,* 155606 (**I.F-1.5**)

10. Narasimhachar, B.C., Ravish, A., Beeraka, N.M., Pookunoth, B.C., Basappa, S., Divakar, V., Rangappa, K.S., Nagaraja, O., Madegowda, M., Chandrashekara, P.G. and Basappa, B., Development of novel pyrimidine-thio-triazoles targeting EGFR in breast Cancer cells via one-pot copper-catalyzed 1, 3-dipolar cycloaddition. ***Results in Chemistry,*** **2025,** 14, 102150, **(I.F-2.5)**

11. Kumar Kavya, Rajaghatta N Suresh, Kanaka Vijayashankar Honnabandar, Sahana H, Toreshettahally R Swaroop, Kanchugarakoppal S Rangappa, Kempegowda Mantelingu: One-pot reaction between α-oxodithioesters, cyanamide and α-bromoketones/esters: A novel synthesis of 2-acyl-5-functionalized-4-aminothiazoles ***Journal of Sulfur Chemistry*** **2025,** 10.1080/17415993.2025.2481270, **(I.F-2.1)**

12. Karthik C. S, Prashanth D. P, Ningaraju G. N, Shobith Rangappa, K. S. Rangappa, Exploring the Potential of Thiazole Derivatives in Modulating the Wnt/β- Catenin Pathway for Colon Cancer Therapy ***Discover Molecules*.2025** (In Press)

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16. Swaroop TR, Suresh RN, Umashankara M, Rangappa KS. A Review on use of Electrolytes in Catalytic/Sub-stoichiometric Amounts in Electro-Organic Synthesis: A much Greener Approach. ***Asian Journal of Organic Chemistry***. **2025**:e202400307 **(I.F-2.8)**

17. Suresh RN, Naveena CS, Swaroop TR, Mantelingu K, Rangappa KS. Synthesis, spectroscopic characterization, crystallographic studies, Hirshfeld surface analysis, DFT, and molecular docking studies of (4-phenylthiazol-2-yl)(thiophen-2-yl) methanone. ***Journal of Molecular Structure***. **2025** Feb 25;1323:140593 **(I.F-4.0)**

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21. Ramakrishnegowda, D.H., Ramesh, S.B., Chandrakantha, K.S., Rangappa, S., Rangappa, K.S. and Sadashiva, M.P., Multi-functional Ag2O-NiO composite bio-catalyst: Efficacy in breast cancer and anti-microbial properties. ***Next Materials***, **2025**. 8, p.100625.

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