CENTRE FOR PLANT MOLECULAR BIOLOGY, OSMANIA UNIVERSITY

PEER-REVIEWED RESEARCH PUBLICATIONS

1.	Mohammed QK, Banu N, Police SR, Palakurthy S, Thota S, Padamati SP, Puligundla KC, Amanchi NR, Kancha RK. “A simple and rapid pre-clinical in vivo model reveals comparative cardiotoxicity profiles of kinase inhibitors”. Toxicology and Applied Pharmacology, 486 (2024): 116944.
2.	Ettam A, Rao LV, Balakishan G, Kancha RK, Mullaguri SC, Kumar KS. “Synthesis of Novel Benazepril-Derived Trizole Compounds Assisted by Ultrasound: In Vitro and In Silico Analysis for Potential Anticancer Properties”. Chemistry & Biodiversity, (2024): e202401235.
3.	Yerrabelly JR, Porala S, Kasireddy VR, Yerrabelly H, Kancha R. “Design and synthesis of mono/bis isoxazoline and pyrroline pendant chromone derivatives-anti-cancer activity”. Synthetic Communications, 54, no. 14 (2024): 1168-1176.
4.	Mohammed QK, Kancha RK. “Evaluation of Cardiotoxicity of Cancer Chemotherapeutics Using Daphnia magna as a Preclinical Model”. Current Protocols, 4, no. 10 (2024): e70035.
5.	Ravula S, Akula S, Kancha RK. “Natural and synthetic inhibitors of heat shock protein 90 chaperone in cancer treatment”. Indian Journal of Pharmaceutical Education and Research, 58 (2) (2024): 1-10.
6.	Parashuram V, Kumari KA, Mullaguri SC, Kancha RK, Mittapelli V. “Synthesis, biological evaluation and molecular docking studies of tetrahydropyrido [3, 4-d] pyrimidine derivatives as anti-leukemic agents”. Results in Chemistry, 8, (2024): 101554.
7.	Akoijam SD, Arolla RG, Quadri MQK, Allam VBR, Kancha RK. “Molecular identification and phylogenetic analysis of Gymnema Sylvestre ecotypes of Telangana”. Indian Forester, 150 (6) (2024): 513-518
8.	Priyanka Manne, Raghavendra Rao Sanagala, Yashwanth Balmooru, Lalitha Shanti Marella Sai Murali Raj Menon, Venkata RamanaRao Gantla, Kethavath Srinivas Naik. Cost efective multiplex PCR assay for simultaneous detection of bacterial leaf blight, blast and brown planthopper resistance genes in rice. Journal of Plant Biochemistry and Biotechnology . volume 33, (2024),pages 288-298.
9.	Priyanka Manne, Raghavendra Rao Sanagala, Sai Murali Raj Menon, Venkata Ramana Rao Gantla and Srinivas Naik Kethavath. Comparison of Blast, Bacterial Leaf Blight and Brown Plant Hopper Introgressed Lines for Yield and Morphological Traits Over Original Line. Journal of Pure Appl Microbiol. (2024);18(1):509-521.
10.	Prashanth Bollempally , Vinod Kumar Anumandla , Anjana Priyadarshani Kanathala , Srinivas Naik Kethavath and Prashant Singam.Genome-wide identification, Characterization, and Expression analysis of the Caffeic Acid O-Methyl Transferase (COMT) Gene Family of Sorghum Bicolor. International Journal of Environment, Agriculture and Biotechnology Vol-9, Issue-4; Jul-Aug, (2024).

11.	Ramesh Kande, Karthik Rajkumar, Pawan Kumar Anoor, Srinivas Naik, Sandeepta Burgula Isolation of Monocrotophos degrading bacterial consortium from agricultural soil for in vivo analysis of pesticide degradation. Brazilian Journal of Microbiology.(2024)
12.	Anjana Priyadarshani Kanathala, Prashanth Bollempally ; Anjana Wahengbam ; Prashant Singam, Sriya Reddy Patlolla, Srinivas Naik Kethavath, High Efficiency In vitro Whole Plant Regeneration via Desiccated Callus in Oryza sativa cv. MTU1010. International Journal of Innovative Science and Research Technology. Volume 9, Issue 3, March – (2024)
13.	G. Kumara Joshi , K. Srinivas Naik , Bhattu Rajesh Nayak ,Yugandhar. and G.Vijay Kumar Morpho-biochemical parameters in blackgram (Vigna mungo L. Hepper) genotypes under drought stress condition. International Journal of Environment, Agriculture and Biotechnology Vol-9, Issue-4; Jul-Aug, (2024)
14.	Gayatri MB, Kancha RK, Behera A, Patchva D, Velugonda N, Gundeti S, Reddy AB. “AMPK-induced novel phosphorylation of RUNX1 inhibits STAT3 activation and overcome imatinib resistance in chronic myelogenous leukemia (CML) subjects”. Cell Death Discovery 9(1) (2023): 401.
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28.	Srinath, Mote, Aayeti Shailaja, Byreddi Bhavani Venkata Bindu, and Charu Chandra Giri. "Comparative analysis of biomass, ethrel elicitation, light induced differential MVA/MEP pathway gene expression and andrographolide production in adventitious root cultures of Andrographis paniculata (Burm. F.) Nees." Plant Cell, Tissue and Organ Culture (PCTOC) 149, no. 1 (2022): 335-349.

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34.	Kulkarni, Swapnil Ravindra, S. M. Balachandran, K. Ulaganathan, Divya Balakrishnan, A. S. Prasad, G. Rekha, M. B. V. N. Kousik et al. "Mapping novel QTLs for yield related traits from a popular rice hybrid KRH-2 derived doubled haploid (DH) population." 3 Biotech 11, no. 12 (2021): 1-20.
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