RAMAIAH College of Arts, Science & Commerce-Autonomous

Profile of Research Supervisor (Guide): Dr. Manmohan Singh Bengaluru City University

Discipline of Supervision: Biotechnology

Dr. Lakshmi Kanth R. N.

Associate Professor

Department of Biotechnology

Areas of Specialisation: Plant Biotechnology

Dr. Lakshmi Kanth R N is an accomplished academician and researcher with over 23 years of teaching experience and 7 years of research experience in the field of Plant Biotechnology. He obtained his B.Sc. degree from The National College, Bangalore University, followed by an M.Sc. in Botany from the Department of Botany, Bangalore University. He earned his Ph.D. in Forest Botany from the Forest Research Institute (Deemed) University, Dehra Dun. His doctoral research focused on "Studies on the Factors Affecting Clonal Propagation of Teak (*Tectona grandis L.*)." Further strengthening his academic credentials, he completed a Bachelor of Education (B.Ed.) from MSR College of Education, Bangalore University and qualified the Karnataka State Eligibility Test (KSET) in Life Sciences. He has made significant contributions to scientific research, with ten research papers published in reputed journals, one book chapter, and five papers presented/published in conferences. He has also successfully guided student research projects, securing six KSCST-SPP grants for M.Sc. students. He is an Associate Member of the Karnataka Science and Technology Academy under the Department of Science and Technology, Government of Karnataka. His current research is in the field of plant biotechnology.

Google Scholar link:
https://scholar.google.com/citations?user=_TJh3RMAAAAJ&hl=en&oi=ao

Selected Publications:

1. Middha, S. K., Usha, T., Hemavathi, K. N., Lakshmikanth, R. N, Goyal, A. K., & Saini, D. K. (2026). Deciphering Anti-Inflammatory Mechanisms of Punica granatum (Pomegranate) Fruit Peel: A Comprehensive Approach Integrating Phytochemical Profiling and Network Pharmacology. Phytomedicine Plus, 101021. https://doi.org/10.1016/j.phyplu.2026.101021
2. Vinutha, M., Manikandan, A., **Lakshmikanth, R. N**., Shravani, S., Divyashree, B., Aishwarya, K., & Nagaraj, M. M. (2025). Molecular docking and anti-MRSA effects of bioactive compounds from Cymbopogon. In Silico Pharmacology, 13(2), 73. https://doi.org/10.1007/s40203-025-00334-4
3. Disha, S. P., Manoj, L., Megha, M., & Lakshmi Kanth, R. N. (2024). In vitro evaluation of pharmacological and phytochemical properties of Coriandrum sativum microgreens and their potential efficacy against MCF-7 breast cancer cells. African Journal of Biomedical Research, 27(3S), 6217–6230. https://doi.org/10.53555/AJBR.v27i3S.3524