RAMAIAH College of Arts, Science & Commerce-Autonomous

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

Discipline of Supervision: Biotechnology

Dr. Ramakrishnaiah T N

Assistant Professor

Department of Biotechnology & Genetics

Areas of Specialisation: Molecular Genetics, Genomics, Evolutionary Biology, Biodiversity conservation

Dr. Ramakrishnaiah T. N. is an Associate Professor in the Department of Biotechnology with over two decades of experience in teaching and research. He holds a Ph.D. in Applied Genetics and specializes in Molecular Genetics, Genomics, Evolutionary Biology, and Biotechnology. His research interests include Evolutionary Biology, molecular diagnostics, and biodiversity conservation. He has published numerous research articles, book chapters, and a book, and has contributed to several funded research projects supported by national funding agencies. He is dedicated to promoting research-oriented education and mentoring young researchers. He has guided one PhD student and currently supervises one Ph.D. student and Principal Investigator (PI) of an ICMR-sponsored Hands-on Workshop worth ₹9,90,000 for conducting a Hands-on Workshop on "Translational Applications of CRISPR-Cas9 – In Vitro Based Techniques for Biomedical Research,", reflecting his commitment to advancing biomedical research and skill development. He actively participates in national and international conferences, workshops, and faculty development programmes, contributing significantly to academic and research excellence.

Google Scholar link: https://scholar.google.com/citations?user=DDu5BvMAAAAJ&hl=en

Selected Publications:

1. **Ramakrishnaiah, T. N.**, Srikar, K. S., Deb, A., Ahmed, K. S., Chandraghatgi, R. R. (2026). *An overview of the mRNA applications and their therapeutic functions in clinical development*. *Next Research*, Article 101413. 10.1016/j.nexres.2026.101413
2. **Ramakrishnaiah, T. N.,** Sowbhagya, R., Muktha, H., Surendra, A. S., Tanvi, Y., (2025). Gene therapy with gene delivery systems and therapeutic strategies: A new frontier in cancer treatment. *Journal of Drug Delivery Science and Technology, 107*, 106798. 10.1016/j.jddst.2025.106798
3. Sowbhagya, R., Muktha, H., **Ramakrishnaiah, T. N**., Surendra, A. S., Sushma, S. M. (2024). Collagen as the extracellular matrix biomaterials in the arena of medical sciences. *Tissue and Cell, 90*, 102497.10.1016/j.tice.2024.102497