



Centre for Research & Development

Research Supervisor (Guide) Profiles

Discipline of Supervision: **Biotechnology/ Microbiology**



Dr. Manon Mani V

Assistant Professor
Department of Life Sciences
School of Biological and Forensic Sciences

Areas of Specialisation:

Bio- nanotechnology, Bio/ Nano- control agents, Nanomedicines , Myco-metabolites, Valorization of biomass

Dr. Manon Mani V. is an Assistant Professor in the Department of Life Sciences, School of Biological and Forensic Sciences, at Kristu Jayanti (Deemed-to-be University), Bengaluru. She earned her Ph.D. in Microbial Biotechnology from Bharathiar University, Coimbatore, and also holds a Diploma in Bioinformatics. Her doctoral research focused on developing a novel therapeutic agent for cervical cancer. She has since extended her work to bio-nanomaterials, with applications as nanomedicines for cancer therapy and as drug delivery vehicles. She has also expanded her research into microbial integrated approaches for environmental and agricultural applications, including biomass valorization. Dr. Manon Mani has published more than 42 research papers in reputed journals, with 555 citations and an H-index of 13. She has guided two Ph.D. scholars, 16 postgraduate, and 31 undergraduate students in their research projects. She serves as a reviewer for several reputed journals, including Bioresource Technology, PLOS One, Bionanoscience, 3 Biotech, and the Arabian Journal of Science and Engineering. She has co-organized an International Conference on IEBCB in Bangkok, Thailand, and has organized several national and international programmes.

Selected Publications:

1. Mohammed basha, M., Ragumoorthy, C., Chen, S. M., **Manon Mani, V.**, & Kiruthiga, G. C. (2026). Nanoparticles of WO₃ doped with Nd on MWCNT for the detection of paraoxon in environmental samples. ACS Applied Nano Materials, 9(20), 9213–9226. <https://doi.org/10.1021/acsanm.5c05549>
2. Deepak, P., Nehaa, R., Harrison, V., Pandey, D. B., Gupta, R., Guru, A., Panda, S. P., Panigrahy, U. P., & **Manon Mani, V.** (2025). Fabrication of silver nanoparticles from *Coleus aromaticus* and its mosquito larvicidal property-in vitro and in silico. 3 Biotech, 16(1). <https://doi.org/10.1007/s13205-025-04497-x>
3. Radhakrishnan, S., Ganesan, V., Paramasivam, D., Umesh, M., & **Manon Mani, V.** (2026). Biological and environmental applications of myco-synthesized titanium dioxide nanoparticles. BioNanoScience, 16(1), Article 31. <https://doi.org/10.1007/s12668-025-02252-3>