



Centre for Research & Development

Research Supervisor (Guide) Profiles

Discipline of Supervision: **Microbiology**



Dr. Sangeetha Menon

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

Areas of Specialisation:

Food and Dairy Microbiology, Soil and Environmental Microbiology, Agricultural Microbiology and Plant Pathology, Medical Microbiology, Sustainable Technology

Dr. Sangeetha Menon is a distinguished Associate Professor in the Department of Life Sciences at Kristu Jayanti University, Bengaluru, bringing over 17 years of profound expertise in higher education and transformative research. A scholar of high repute, she holds an M.Phil. and a Ph.D. in Microbiology, complemented by a Postgraduate Diploma in Bioinformatics. Her expansive research portfolio encompasses various fields of microbiology such as Medical, Food, Agricultural, Environmental, Sustainable Technology, Forest Pathology, and Bioinformatics. An innovator and prolific author, Dr. Menon has been granted 2 utility and 5 design patents, authored and edited 9 books, and published more than 48 book chapters and research articles in prestigious peer-reviewed and indexed journals with high impact factor. Her genomic contributions include over 40 gene sequences submitted to the NCBI database. A recipient of many awards such as Youth Icon, Research Excellence and Best Women Assistant Professor, she has successfully spearheaded funded projects sponsored by ICFRE, KSCST, and the Bodhi Niketan Trust. Her significant contributions to the field of microbiology include advanced research on microbial diversity, antimicrobial resistance, and environmental microbiology, host-microbe interactions and role of beneficial microbes in sustainable agriculture and human health. She has also been involved in interdisciplinary collaborations, as member of several international editorial boards, integrating microbiology with biotechnology and environmental science to promote sustainable solutions. Her commitment to academic excellence is reflected in her mentorship of undergraduate and postgraduate students, guiding them in research projects that address real-world microbiological challenges.

Selected Publications:

1. Bhishaka Sapra, Punitha Narayanasamy, Bhuvana Ravi, Devanandh Duraisamy, **Sangeetha Menon**, Arpita Mishra, Panneerselvam Theivendren. (2026). Piper betle L bioactives in breast cancer: Mechanisms and therapeutic prospects. *Pharmacological Research - Natural Products* 11 (2026) 100764. <https://doi.org/10.1016/j.prenap.2026.100764>
2. Arpita Mishra, **Sangeetha Menon**, Rhea Arun, Rosmi Sara Philip, Shivapriya Pushparaj (2025). A report on rubratoxin production by a novel strain of *Talaromyces viridis* isolated from contaminated chick pea (*Cicer arietinum*) samples. *Journal of Applied and Natural Science*, 17(4), 1579 -1590. <https://doi.org/10.31018/jans.v17i4.6900>
3. **Menon, S.**, Mishra, A., Krishnan, J., Ravindran, A. K., Sneha, P. U., and Kushbu, R. (2025). Production and characterization of biosurfactant from novel strains isolated from environmental samples. *Journal of Applied Biology & Biotechnology*. <https://doi.org/10.7324/jabb.2025.221419>