KRISTU JAYANTI
(DEEMED TO BE UNIVERSITY)
Under Section 3 of UGC Act 1956
A CMI INSTITUTION | BENGALURU | INDIA

Centre for Research & Development

Research Supervisor (Guide) Profiles
Discipline of Supervision: Biotechnology

Dr. M Sonia Angeline

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

Areas of Specialisation:

Neurodegenerative diseases, Neuro-oncology, Bioactive compounds, and Theranostic Nanoparticles.

Dr. M. Sonia Angeline is an Associate Professor and Programme Coordinator in the Department of Life Sciences at Kristu Jayanti (Deemed to be University), Bengaluru. She earned her Ph.D. from Vellore Institute of Technology, Tamil Nadu, for her research on “Effect of Molecular Chaperones, E3 Ligases and Biomolecules on Rotenone-Induced Parkinson’s Disease Model,” focusing on the neuroprotective role of biomolecules. With over 15 years of academic and research experience, She specializes in neurodegeneration, protein expression, and neuroprotective drugs, and possesses extensive expertise in molecular biology techniques. She has contributed to the scientific community through 20 publications in reputed journals, three authored book chapters, and one edited book, accumulating 257+ citations and holding an h-index of 4. She has presented around 20 papers at national and international conferences, earning two best paper awards. In addition, she holds a patent titled “Methods and Compositions for Improving and Obtaining Useful Plant Traits Using IoT” and is a Life Member of the Society of NeuroChemistry India (SNCI). Her current research interests include neurodegenerative diseases, neuro-oncology, bioactive compounds, and theranostic nanoparticles.

Selected Publications:

1. Akkara, P. J., Martin, S. A., Thiagarajulu, N., **Angeline M,S** Bisht, A. B., Mishal, A., and Mathew, C. M. (2025). Green synthesised Catharanthus roseus-mediated iron oxide nanoparticles demonstrates enhanced antibacterial, antioxidant, and anti-diabetic properties. Journal of Applied Biology & Biotechnology. https://doi.org/10.7324/jabb.2025.220729

2. Nisha J, K., Pierry, K., and **Angeline M, S**. (2022). Effect of Herbal Extracts on Oral Microorganisms. Kristu Jayanti Journal of Core and Applied Biology (KJCAB),10–14. https://doi.org/10.59176/kjcab.v2i1.2262

3. M, S. A., N, P., Palekar, G., G, H., **Angeline M, S,** Sinha, S., and Anjum, M. Z. (2025). Human hair-derived keratin: Extraction and comparative assessment. International Journal of Molecular Biology and Biochemistry, 7(1), 105–110. https://doi.org/10.33545/26646501.2025.v7.i1b.88