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: Botany

Dr. Indira M. N
Associate Professor
Department of Life Sciences
School of Biological & Forensic Sciences

Areas of Specialisation:
Plant Tissue Culture, Phytochemistry, Medicinal Plants, Biodiversity Conservation and Sustainable Agriculture

Dr. Indira M. N. is an Associate Professor in the Department of Life Sciences at Kristu Jayanti (Deemed to be University), Bengaluru, with over 22 years of teaching experience in Botany. She completed her M.Sc. in Botany from Bangalore University, securing a Gold Medal, and was awarded her Ph.D. from the same institution. Her research interests include Plant Tissue Culture, Phytochemistry, Medicinal Plants, Biodiversity Conservation, Developmental Biology, and Sustainable Agriculture. She has presented papers at national and international conferences and published in peer-reviewed journals, while actively contributing to academic events through both scholarly and organizational roles. She is also deeply involved in mentoring student research. She served as Co-Principal Investigator for a project funded by the Karnataka State Council for Science and Technology (2022–2023), titled “Elicitation of Natural Oils in Plants with Larvicidal and Mosquito Repellent Properties and Formulation and Evaluation of Novel Mosquito Repellent Products.” She has led several initiatives focused on environmental engagement, contributed to the documentation of campus flora, and played a key role in establishing a QR-coded medicinal garden. She is the author of “Medicinal Plants of Kristu Jayanti College – Volume I” and a recipient of the AICTE Lilavati Award (2021–2022). Currently, she is working on carbon sequestration studies of tree species on the Kristu Jayanti University campus, further contributing to sustainability and environmental research.

Selected Publications:

1. **Indira, M. N.** (2025). Medicinal and phytochemical insights into Citharexylum spinosum L.: Exploring bioactive potential of an invasive species. Medicinal Plants - International Journal of Phytomedicines and Related Industries, 17(4), 688–698. https://doi.org/10.5958/0975-6892.2025.00072.1

2. **Indira, M. N.** (2022). GC-MS Analysis of bioactive compounds in Ethanolic extract of Drymaria cordata (L.) Willd. ex Roem. and Schult. Research Journal of Pharmacy and Technology, 4192–4195. https://doi.org/10.52711/0974-360x.2022.00703

3. Kaur, V., Arjunan, S., & **Nanaiah, I.** (2021). Extraction of Dyes from Plant Sources and their application on Cotton and Wool using Mordants. Current Trends in Biotechnology and Pharmacy, 15(5), 503–506. https://doi.org/10.5530/ctbp.2021.3s.46