

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

Discipline of Supervision: Microbiology



Dr. Pushpa H

Professor and Principal

Department of Microbiology

Areas of Specialisation: Mycology and Bioremediation

Dr. Pushpa H is the Principal and Professor of Microbiology at M. S. Ramaiah College of Arts, Science and Commerce, Bengaluru. She earned her M.Sc. from St. Joseph's College and her Ph.D. from Bangalore University. With over 25 years of experience in teaching, research, and academic administration, she has significantly contributed to the institution's growth, including establishing the Department of Microbiology and strengthening its academic and research ecosystem. Her doctoral work focused on the taxonomy and biodiversity of Basidiomycetous fungi in and around Bengaluru, contributing valuable insights into mushroom diversity in Karnataka. Her research interests include Mycology, Mushroom Biotechnology, Biodiversity Studies, and Bioremediation. She has collaborated with national and international researchers and actively promotes interdisciplinary research. Dr. Pushpa has published 22 research papers in reputed journals, presented at numerous conferences, received awards for best paper presentations, and published a patent in 2024. She has mentored several M.Sc. research projects and organized training programmes on fungal identification techniques. A Life Member of the Indian Association of Applied Microbiologists, she has earned recognition for her contributions to science, leadership, and higher education.

Google Scholar link: <https://scholar.google.com/citations?hl=en&user=W7rQUBsAAAAJ>

Selected Publications:

1. **Pushpa H**, Shashidhar K, Maithri D.B, Sumalatha L, Shruthi A. S, Sriharsha D. V, Vishal H, Sathish, Savitha J (2026). Development of Biodegradable and Sustainable Materials using Fungal Mycelium Grown on Agricultural Residues, KAVAKA 62(1):44-64: 44-54, DOI: 10.36460/Kavaka/62/1/2026/44-64, https://www.fungiindia.co.in/images/kavaka/62_1/Article%207.pdf
2. **Pushpa Hanumanthaiah**, Ramesha Alurappa, Suchetana Saha, Chandrika Das Chowdhury, Pallavi Guha, Pol Robson Hazarika and Ramesh Thirumalesh Dadamudike Hanumaiah (2023). Studies on the biodiversity of endophytic fungi from Ruta graveolens and screening for their antimicrobial activities, Malaysian Journal of Microbiology, Vol 19(4):415-420. <http://dx.doi.org/10.21161/mjm.221409>
3. Jagadeesha Kumar B G, R Prabhakara, **Pushpa H**. (2013). Effect of Bacterial Calcite Precipitation on Compressive Strength of Mortar Cubes. 2 (3). 486-491. <https://www.ijeat.org/wp-content/uploads/papers/v2i3/C1186022313.pdf>