

B. Premalatha

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Research Interest
Cancer microbiome studies, Human Genetics
Bioprocess technology, Cell and molecular biology and
Forensic science.

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Research Summary & Highlights

Dedicated and hard-working academician with experience in industrial R&D, teaching and research with strong technical skills in genetics, cancer biology and microbiome studies, and Bioprocess technology demonstrating adaptability, collaboration, and commitment to mentoring students and contributing to the scientific community.

Education (Online courses – 2 (NPTEL-pursuing))

2023(till date)	Pursuing Ph.D. in Medical Biotechnology on Microbial Dysbiosis in Cervical Cancer Patients: A Comparative 16S rRNA-Based Study in Telangana, India.
2005-2007	M.Tech. in Industrial Biotechnology, Jawaharlal Nehru Technological University, Hyderabad, India M.Sc. in Genetics, Osmania University, Hyderabad, India
1997-1999	
1995 -1997	B.Sc. in Botany, Zoology and Chemistry, RBVRR Women's College, Hyderabad, India

Experience (Academic – 5 Yrs; Industrial – 4.5 Yrs, Total – 9.5 Years)

03.01.2022-PRESENT **Assistant Professor**, School of Allied Healthcare Sciences, Malla Reddy University, Hyderabad
05.08.2007-01.16.2012 **Research Associate**, R &D with M/S Sven Genetech Ltd., (Jupiter Bioscience, Cherlapally).
01.07.2012-14.04.2013 **Lecturer** at Ratna Junior College, Nizamabad

Other Experience:

01.06.2018-22.12.2021 **Teacher**, St. Pius X High School, Hyderabad

Projects / Industrial Experience (Production)

2020-22 Production of lipase enzyme from soil samples.

Selected Publications Papers:2

1. Premalatha K, Meera Indracanti, Tejavathi Bandike, Vishnupriya S. Bridging Eras in Oncology: How Molecular Innovations Are Redefining Cancer Diagnosis and Therapy. *International Journal of Environmental Sciences*. 11(5s), 2025, 962-970.
2. Premalatha K, Meera Indracanti et al. Circulating Tumor DNA Sequencing: Clinical Applications, Technological Advancements, and Future Prospects in Cancer Management. *Studies in Science of Science*, Vol. 43 No. 7s, 11 July 2024

Scientific Contribution/Reviewing/Thesis Supervision

Conference/Symposium/Meeting:	3	External Examiner for University exams:	yes
		Workshop/Training/Advance course:	04