

Dr. VIJAYAKUMAR V
M.Sc. PhD

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Dr. Vijayakumar V holds a **Ph.D.** in Bioremediation from **Palamuru University** (2024), with research focused on the restoration of Peddacheruvu Lake in Mahabubnagar through the analysis of water's physico-chemical and microbiological properties. Additionally, he completed the **TS-AP SET** in Life Sciences from **Osmania University** (2015), and earned two **M.Sc.** degrees—one in **Microbiology** (2011) from Palamuru University and another in **Botany** (2013) from Acharya Nagarjuna University. Undergraduate qualifications include a **B.Ed.** in Bioscience (2009), **B.Sc.** in BZC (2007), and intermediate studies in Bi.P.C. (2004), all from Osmania University.

Technical and Computer Skills: possesses strong technical skills, particularly in microbiological lab techniques. Proficient in **antibiotic testing, bacterial culture maintenance, isolation of microorganisms, media preparation, and sterilization techniques**. Also experienced in **staining techniques** and **blood tests**, all of which are integral to their research in microbiology. In addition to laboratory expertise, he is proficient in **MS Office** and **C-language**, which supports their data analysis and documentation skills.

Professional Experience: With over 10 years of teaching experience in **Life Sciences**, the individual currently serves as a **Part-Time Faculty Member** in the **Department of Microbiology** at **Palamuru University** since 2022. Prior to this, they spent a decade teaching **Microbiology and Botany** at **Smt. YRM Junior & Degree College**, Kalwakurthy (2012-2022). This combination of teaching and research experience highlights their expertise in both theoretical and practical aspects of microbiology and environmental science.

Research Publications and Contributions: The individual has contributed significantly to research, with several publications in respected journals. Notable works include the study on **water quality assessment of Peddacheruvu** (2024) in the *Indian Journal of Advances in Chemical Sciences*, and an article on **biodegradation of heavy metals through biosorption** under review for Springer-Nature *Indian Journal of Microbiology*. Additionally, the individual serves as a **reviewer** for the **Springer-Nature Indian Journal of Microbiology**.

Seminars, Conferences, and Presentations: The individual has presented oral papers at various international conferences, including topics such as **biological control of stem borer infection** and **fungal endophytes as biocontrol agents** (BEST-2021). They have actively participated in webinars and seminars focused on **biotechnology, environmental sciences, and healthcare innovations**. Their participation in international and national seminars showcases their commitment to staying updated with the latest scientific advancements.

Memberships: The individual is a **Life Member** of the **Indian Science Congress Association (ISCA)** and the **Association of Microbiologists of India (AMI)**, which reflects their dedication to the scientific community.

This well-rounded profile demonstrates a strong academic foundation, practical teaching experience, significant research contributions, and active participation in scientific communities.