

UMA MAHESWARI MICROBIOLOGIST

✉ mahesh280105@gmail.com

☎ +91 9791534507

📍 CHENNAI

Highly motivated Microbiologist with expert skills in microbial culturing, molecular biology, and PCR techniques. Seeking a challenging position to contribute to research, diagnostics, and quality control within a dynamic laboratory setting.

Professional Experience

Microbiologist, AR Multispeciality Hospital

2023

Ramanathapuram

- Helped grow and separate bacteria taken from soil and water samples.
- Performed Gram staining and used the microscope to observe bacteria shapes and features.
- Used sterile techniques to avoid contamination while handling samples and media.
- Wrote down experiment results and kept lab notes organized.
- Helped senior researchers by preparing solutions and cleaning lab tools.

Education

BSC- Microbiology, Velumanoharan arts and science college for woman

2022 – 2025

Ramanathapuram

HSC-BioMaths, Syed Ammal Higher Secondary School

2021 – 2022

Ramanathapuram

Projects

Enzyme production, Isolation and Identification of Industrial Enzyme (Amylase) Producing Bacteria from Saliva Sample of Gallus Gallus Domesticus

- **Sample Collection:** Saliva samples were collected from healthy domestic chickens.
- **Isolation of Bacteria:** Bacteria were grown on nutrient-rich media to isolate different strains.
- **Screening for Amylase Production:** Each strain was tested to see if it could produce amylase using starch agar plates and iodine staining.
- **Identification:** The most promising strains were identified using basic microbiological techniques like Gram staining and biochemical tests.

ARTICLE PUBLISHED IN BELOW LINK

<https://share.google/6XilJk27vPjXh5Tj2> 

Awards

ALAGAPPA UNIVERSITY INTER COLLEGE
CHESS COMPETITION, FIRST PRICE

RAMANATHAPURAM DISTRICT LEVEL
CHESS COMPETITION,
CAPTAIN OF THE TEAM WON FIRST PRICE

INTERNSHIP

AR Multispeciality hospital
05/2023 | RAMANATHAPURAM

Skills

Technical skills

- **Aseptic technique:** Handling samples and equipment without contamination
- **Microbial culturing:** Growing bacteria and fungi on various media
- **Gram staining and microscopy:** Identifying microbes under the microscope
- **Biochemical testing:** Using tests like catalase, oxidase, and IMViC for identification
- **PCR and gel electrophoresis** : Amplifying and analyzing DNA
- **Spectrophotometry:** Measuring microbial growth or enzyme activity
- **Autoclaving and sterilization:** Preparing sterile tools and media
- **Laboratory safety and biosafety protocols:** Following proper procedures to handle microbes safely

Analytical & Research Skills

- **Data recording and analysis:** Keeping accurate lab notes and interpreting results
- **Scientific writing:** Preparing lab reports and research summaries
- **Literature review:** Reading and understanding scientific papers
- **Problem-solving:** Troubleshooting experiments and optimizing protocols

Soft Skills

- **Team collaboration:** Working with lab partners and supervisors
- **Time management:** Handling multiple experiments and deadlines
- **Attention to detail:** Ensuring accuracy in measurements and observations
- **Communication:** Explaining findings clearly in writing and presentations

Declaration

I hereby declare that the information provided above is true and correct to the best of my knowledge and belief. I take full responsibility for the accuracy of the details mentioned in this resume.

UMA MAHESWARI
CHENNAI