






# HENA THANKACHAN

# MICROBIOLOGIST

## PERSONAL DETAILS

Date of Birth :15-11-1999  
Marital Status : Single

## CONTACT

 | 6282666491  
 | henamalu11@gmail.com  
 | Kottayam, Kerala, India

## SKILLS

Aseptic techniques  
Communication skills  
Observation skills  
Laboratory maintenance  
Biosafety procedure  
Research and Development

## LANGUAGES

English  
Malayalam  
Tamil

## OBJECTIVE

To obtain a position as a Microbiology Technologist where I can use my skills to contribute to the success of the company.

## EXPERIENCE

Government Medical College Kottayam  
November 2023 - Present  
Microbiologist

## EDUCATION

- **MASTERS OF SCIENCE**  
**MSC MICROBIOLOGY**  
PGM COLLEGE OF ARTS AND SCIENCE, KOTTAYAM  
MG UNIVERSITY 2021-2023
- **BACHELOR OF SCIENCE**  
**BSC MICROBIOLOGY**  
PGM COLLEGE OF ARTS AND SCIENCE, KOTTAYAM  
MG UNIVERSITY 2018-2019
- **HIGHER SECONDARY**  
DE PAUL HIGHER SECONDARY SCHOOL  
2017
- **SSLC**  
DE PAUL HIGHER SECONDARY SCHOOL  
2015

## PROJECT

- **Antimicrobial activity of honey.**  
To find out the antibacterial activity of honey against staphylococcus aureus, Klebsiella pneumoniae, Pseudomonas aeruginosa, E. coli.
- **Microbial degradation of plastic.**  
To find out the bacteria which degrade plastic.

## EQUIPMENTS HANDLED

- Hot air oven
- Centrifuge
- Laminar Air Flow
- Autoclave
- Analytical balance
- Microscope
- Refrigerated centrifuge
- Spectrophotometer
- Incubator
- pH meter
- Elisa reader
- Micro pipet
- Bact tec
- Elisa reader
- Truenat prep

## CERTIFICATE

Highfield Level 3 Award in HACCP  
for Food Manufacturing (RQF)



## TECHNICAL PROFICIENCY IN MICROBIOLOGY

- Serial dilution method for bacterial culture.
- Media preparation for bacterial cultures.
- Pouring, plugging, Slant preparation and streaking on plates.
- Microscopic examination of bacteria by staining method.
- Identifying, collecting and testing biological samples of organisms.
- Examining micro-organisms and classifying their types.
- Bacterial isolation from environmental and food samples.
- Antibiotic sensitivity testing.
- Serological techniques.
- Immunological techniques.
- Fungal cultivation.



## IN CLINICAL MICROBIOLOGY

- HBSAg ELISA
- HCV ELISA
- Dengue Igm
- HAV AND HEV
- NS1
- Leptospira
- Latex RA
- RPR
- Aso test
- HAV and HEV
- Scrub typhu
- Widal test



## IN INDUSTRIAL MICROBIOLOGY

- MBRT
- Estimation of protein by Biuret and Lowry' s method
- MPN



## IN MOLECULAR BIOLOGY

- Isolation of DNA f rom microbes
- Agarose gel electrophoresis
- True nat
- DNA and RNA extraction
- q PCR