



**SAYANA S**

**MICROBIOLOGIST**

✚ 8848734475

✚ writetosayana@gmail.com

---

### **CARRIER OBJECTIVE**

---

To pursue a challenging carrier in the field of microbiology and be part of a progressive organization that gives scope to enhance my knowledge, skills with determination, dedication and hard work.

---

### **ACADEMIC PROFILE**

---

- 2019 : Msc Microbiology, 77%  
St. Berchman College, Changanassery , Kottayam
- 2017 : Bsc Microbiology , 78%  
Sanatana Dharma College, Alappuzha
- 2014 : Higher Secondary Education , 91%  
K.K kunchupillai memorial H S S, Ambalappuzha, Alappuzha
- 2012 : Secondary Education, 84%  
Aravukad Higher Secondary School, Punnapra, Alappuzha
-

## **WORK EXPERIENCE**

---

Experience in the field of Medical Microbiology, Molecular biology and pharmaceutical industry.

- Worked as a project technician on an ICMR mode project in AIMS Kochi from 18 th July 2022- 7 th November 2022 (3 months)
- Worked as a temporary microbiologist in Kerala Drugs and Pharmaceuticals. Ltd, Kalavoor, Alappuzha from 28 th November 2021- 26 th may 2022 (6 months)
- Worked as a junior microbiologist and PCR Technician in sankers Health Care Scans and Diagnostics, Vandanam, Alappuzha from 26 th November 2020 to 6 th November 2021
- Worked as microbiology trainee in Providence Hospital, Thumpoly, Alappuzha (7 months)

## **PROJECTS**

- STUDY ON THE EFFECTS OF SILVER NANOPARTICLES INCORPORATED LIQUID COATING AGENTS FOR INFECTION AND WOUND MANAGEMENT ( Biogenix Research Centre, Thiruvananthapuram)

This study results concluded that AgNPs incorporated liquid wound dressing material exhibits significant bacterial and anti-adherence activity against microbes whereas it was found to be biocompatible and favors cell adhesion and migration endorsing collagen deposition and hence helps in wound healing.

- STUDIES ON THE MICROBIAL COMMUNITIES IN THE EARTHWORM CASTS MEGASCOLEX MAURITII L

This study demonstrated that, Earthworm cast shows elevated microbial biomass content and microbial communities except methanobacter predominated in earthworm cast.

## **TECHNICAL SKILLS**

- Basic microbiological techniques
- Media preparation for bacterial and fungal cultures
- Staining techniques ( Gram staining, Acid fast staining& Fungal staining)
- Performing microscopic examination of microorganisms
- Isolation, Identification & Antibiotics sensitivity of different bacteria from clinical specimens
- Automated culture techniques (VITEK & BACT- ALERT)
- Experience in manual microplate ELISA technique and Automated ELISA by CHORUS AUTOMATED IMMUNOASSAY ANALYSER
- Serology (WIDAL, ICT,DCT , card tests)

- Experience in molecular biology – RT-PCR ( DNA extraction, master mix preparation, template addition and result analysis)
- Experience in the field of pharmaceutical industry
  - sterility checking of pharmaceutical products
  - Performs LAL Test for the identification of endotoxin
  - Experience in Microbial Limit Test for the identification of pathogens.

### EQUIPMENT HANDLED

- † Biomerieux Automated microbiology identification & Sensitivity unit – VITEK 2 COMPACT
- † Biomerieux Automated Blood Culture System – BACT – ALERT 3D 60
- † ELISA Reader – NEO-ELDEX , ADX 110, 800 TS
- † Microplate washer- RT 2600C ELISA Washer
- † EUROIMMUN – Profile Reader &Scanner
- † Automated ELISA by CHORUS-TRIO- Infectious and autoimmune analyzer.
- † Biological Safety Cabinet CLASS II

### **Molecular biology**

- † Real time RTPCR system-Bio-Rad CFX96 DX (IVD)
- † Automated RNA Extraction system-Zybio EXM 3000

### PERSONAL PROFILE

Date of birth :19/03/1997

Father's name :SOMAN P

Mother's name. : SULOCHANA

Marital status : unmarried

Languages known : Malayalam, English ,Hindi

Permanent Address : Konnanpurayckal (H)

Kakkazham p.o

Alappuzha, PIN – 688005

Mob ; 8129258361

Emai Id : [writetosayana@gmail.com](mailto:writetosayana@gmail.com)

## REFERENCES

- ✚ Dr.Aswathy. S  
HOD Community Medicine Department, AIMS KOCHI  
Mob.94472 94260
- ✚ Vidhya S P  
Microbiologist  
Kerala State Drugs and Pharmaceuticals, kalavoor, Alappuzha  
Ph.9400368278
- ✚ Dr R Manikumar  
Sankar's Health care scans and diagnostics, Alappuzha  
Ph. 9947034488
- ✚ Sweety k Ennacheril  
Head of the Department Microbiology, St Berchman's College, Chaganassery  
Mob: 9447113469

## DECLARATION

I hereby declare that all the above statements are true and accurate to the best of my knowledge ■

**SAYANA S**