



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)
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 Alappuzha, PIN – 688005
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REFERENCES

- † Dr.Aswathy. S
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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 ■

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