

## ARANYAMOL BALAN

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Thakidippurath (H), Kavakad P.O, Muvattupuzha, Ernakulam, 686668

### Objective

To be a part of an organization where get a chance to use my knowledge and skills to contribute in the progress of the organization as well as myself.

### Experience

#### **Lisie Hospital, Kaloor, Ernakulam**

*2022 July - Present*

Microbiology laboratory training

Performing bacterial, fungal and mycobacterial cultures.

Handling bactalert and vitek 2 system.

Performing antigen test.

#### **VMCA Food And Beverages PVT LTD, Thripunithura, Ernakulam**

*2021 March - 2022 July*

Quality Control Microbiologist

Developed an environmental monitoring program for a sterile processing facility and assisted in the monitoring of the production area.

Performed microbial analysis of raw material and finished products in compliance with ISO Standards and Reviewed documentation in preparation for FSSAI and BIS inspections.

Worked closely with production personnels to meet all SOP, GMP and FSSAI guidelines.

Performed daily lab operations in a microbiology laboratory and data entry in an efficient and timely manner with GLP.

### Education

#### **Sree Sankara College, Kalady**

*2021*

M.Sc Microbiology

#### **Nirmala College, Muvattupuzha**

*2018*

B.Sc Botany

#### **St Augustine's Higher Secondary School, Kallorkad**

*2015*

Higher Secondary Education - Biology science

#### **St Augustine's Higher Secondary School, Kallorkad**

*2013*

SSLC



## Skills

- **MEDICAL MICROBIOLOGY:** Bact alert loading for blood, bone marrow, bile, aspirations cultures, Microbiology testing of patient samples (Blood, urine, sputum, ME, ET, BAL, swabs, DF, PF, aspirations, stent tip, centre line tip, EVD tip, tissue, fungal & mycobacterial cultures etc), Antimicrobial sensitivity testing by disc method, Antigen testing for sars corona virus, staining (grams staining and AFB staining), Basic laboratory techniques in Biochemistry and Immunology - Quantitative and qualitative analysis of biomolecules, Preparation of reagents, WIDAL test, VDRL test. Biofire for identification of microorganisms.
- **INDUSTRIAL MICROBIOLOGY (FOOD TECHNOLOGY):** MBR Test, Multiple Tube Fermentation test, Membrane filtration method for the microbial analysis of water.
- **MOLECULAR BIOLOGY:** Isolation of DNA and Plasmid from microbes, Agrose Gel Electrophoresis, RT PCR, TrueNat
- **EQUIPMENTS HANDELED:** Microscope, Laminar air flow, pH meter, Colorimeter, Autoclave, BOD incubator, Shaker incubator, Hot air oven, Centifuge, Bact alert, Vitek 2 compact system, Biofire
- **COMPUTER PROFICIENCY:** MS Word, MS Excel, MS Powerpoint
- Communication and interpersonal skill.
- Quick learning ability.
- Believe in hardworking, sincerity and punctuality.



## Projects

### **STUDY OF IMMUNE RESPONSE AFTER MMR VACCINATION AND VACCINE REPURPOSING APPROACH FOR THE PREVENTION OF INFLAMMATION AND SEPSIS ASSOCIATED WITH SARS-COV INFECTION.**

A Review Article submitted to Mahatma Gandhi University, Kottayam in partial fulfillment of the requirements for the award of the degree of MASTER OF SCIENCE IN MICROBIOLOGY, Under the guidance of Dr. Sathish Mundayoor Consulting Scientist, IUCBR & SSH, Thalappady, Kottayam.

### **A COMPARISON BETWEEN THE CULTIVATION OF CALOCYBE INDICA AND PLEUROTUS FLORIDA IN YIELD, BIOLOGICAL EFFICIENCY AND QUALITATIVE ANALYSIS OF ORGANIC COMPOUNDS**

A Dissertation submitted to Mahatma Gandhi University, Kottayam in a partial fulfillment of the requirement for the degree of BACHELOR OF SCIENCE IN BOTANY, Under the guidance of Dr. Sr. Tessy Joseph Head of the Department, Botany, Nirmala college, Muvattupuzha



### **Achievements & Awards**

- Certificate for the career oriented add-on Diploma programme in Rural Eco-Technology in 2017 with Grade A
- Certificate for the career oriented add-on Advanced diploma programme in 'Rural Eco-Management.' in 2018 with Grade A.
- Participation certificate for the Workshop on 'Role of Intellectual Property Rights in Academia'
- Participation certificate for the Silver Jubilee National Seminar 'Biospectrum 2020 - Genomics'
- Completed the National level quiz conducted by Department of Botany and Biotechnology in association with IQAC, Newman College in connection with International day for Biological Diversity 2020 on 5/16/2020, with a passing score of 75%
- Certificate of participation for the COVID-19 AWARENESS QUIZ conducted by Grace College on 28-04-2020 with a passing score of 90/100



### **Personal Details**

- Date of Birth : 07/07/1998
- Marital Status : Single
- Nationality : Indian
- Father's Name : Balan T.R
- Languages known : Malayalam, English, Hindi, Tamil
- Hobbies : Reading, Writing, drawing, Photography



### **DECLARATION**

- I declare that the information and facts furnished above are true and correct to the best of my knowledge and belief.

Yours faithfully

ARANYAMOL BALAN