

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 - 2022 October

Microbiology laboratory trainee

Performed all basic microbiology procedures including fungal and mycobacterial cultures and handled Bact Alert and Vitek 2 systems.

And also undergone training in molecular biology lab and assisted in performing Truenat And RT PCR for Covid and TB.

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-CoV-2, staining (Gram 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 HANDLED:** Microscope, Laminar air flow, pH meter, Colorimeter, Autoclave, BOD incubator, Shaker incubator, Hot air oven, Centrifuge, 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