

# ARIYA

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## PROFILE

Seeking a position to utilize my knowledge, skills, and abilities in the industry that offers competitive environment, a true profession to put in the acquired knowledge and gain exposure to upcoming technologies while being resourceful, innovative and flexible.

## EDUCATION

2020 - 2022

**MAR ATHANASIVUS COLLEGE KOTHAMANGALAM, MG UNIVERSITY**

MSc Microbiology, Percentage: 77.8%

2017 - 2020

**PGM COLLEGE, DEVAGIRI P.O, KANGAZHA, MG UNIVERSITY**

BSc Microbiology, Percentage: 73.8%

2015 - 2017

**GOVT HSS, KONNI, KERALA STATE BOARD**

Higher secondary, Percentage: 82%

2014 - 2015

**ST. BENEDICTS MSCHS, THANNITHODU, KERALA STATE BOARD**

SSLC, Percentage: 98%

## SKILLS

- Microbial technique  
Microscopy, Staining techniques, microbial analysis of samples, Sterilization methods, Cultivation of pure cultures and Antibiotic sensitivity assay.
- Molecular Biology Techniques  
Genomic DNA Isolation, Transformation.
- Biochemical techniques  
Estimation of proteins, Qualitative test for Carbohydrates, Lipids and Amino acids and preparation of buffers
- Immunology techniques  
ELISA, Immune-electrophoresis, Southern blotting, WIDAL, VDRL.
- Hazard Analysis Critical Control Point
- Food Quality Management

## ACADEMIC PROJECT

### **BSc Project:**

**Title :** Isolation of bacteriophage and its application in sewage water treatment

**Description :** This project is about isolation of bacteriophage and studying the application of bacteriophage in treating sewage waste water.

**Status :** Completed

### **MSc Project:**

**Title :** Occurrence, morpho-molecular characterisation and biocontrol of foliar diseases of selected forest nursery plants.

**Description :** This study was focused on detection and identification of fungal pathogens associated with foliar diseases of nursery plants and their biocontrol measure.

**Status :** Completed

## CERTIFICATION

- Completed Training Programme on "HACCP Concepts" at ICAR - CENTRAL INSTITUTE OF FISHERIES TECHNOLOGY Cochin on 18-06-2022
- Successfully completed a short course on Research Laboratory Techniques organized by Pushpagiri institute of Medical Sciences and Research Centre Campus
- Successfully completed the value added course on "Food Quality Management", of 30 hours duration with A+ grade, from Department of Microbiology, Mar Athanasius College Kothamangalam

## SEMINARS ATTENDED

- **Biospectrum 2021:** International virtual seminar on Recent Trends in Biological Sciences organized by the Post Graduate and Research Department of Microbiology, Sree Sankara College, Kalady from 15th June 2021 to 19th June 2021
- **International Webinar 'From Bench To Bedside :** The Inside Story of How Medicines are Made' organized by the Department of Microbiology and Biochemistry, St Berchamans College, Changanashery on 7th November 2020.
- **"CRISPR - Cas Based Genome Manipulation :** A Revolutionary Tool for Modern Biology " organized by Department of Biosciences, Union Christian College, Aluva on 7th November 2020.
- **Webinar** on "Zebrafish Diseases Models for Phenotypic Drug Screens and Personalized Medicine" organized by Department of Biosciences Union Christian College, Aluva on 24th October 2020

## INDUSTRIAL VISIT

KAU : Kerala Agricultural University, Vellanikkara Thrissur

## **PUBLICATIONS**

- A review on Biological Potential of Chitinolytic Marine Bacteria. Proceedings of the "marine biology research symposium" mbrs 2021 (26 - 30 July 2021) organized by Sathyabama Institute of Science and Technology in association with Chennai and National Bureau of Fish Genetic Resources, Lucknow. pg. 140-145. ISBN: 978-93-83409-65-5.
- Isolation of EPS producing Acinetobacter from biochar augmented soil and it's role in ecological functions, Book of Abstract of the "Biotech spectrum 2022" Golden Jubilee International online Conference, organised by the department of Biotechnology, CUSAT, Kerala on 4th-9th February 2022.

## **REFERENCE**

Prof. Elza John  
Head Department of Microbiology  
Mar Athanasius College, Kothamangalam, Ernakulam

## **DECLARATION**

I hereby declare that all the information provided is true and correct to the best of my knowledge and belief.

Date:

**ARIYA**

Place: