



# DILRUBA O

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Calicut, Kerala

## Synopsis

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Being a Microbiologist, I could apply my scientific research skills in a variety of concerned fields so as to develop my wholesome knowledge to be utilized for the wellbeing of the organization and to take up competent challenges in the fields of research and innovation that would revolutionize the ideals of the company I work with.

## Professional Experience

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### ➤ Microbiologist

*Aster MIMS Kottakkal, Malappuram (NABH Accredited) (June 2023 – Present)*

### ➤ Junior Microbiologist

*Meitra Hospital, Calicut (JCI & NABH Accredited) (Nov 2020 – June 2023)*

#### Roles And Responsibilities

- Microbiological analysis of infectious organisms in clinical samples, examination, authorisation and interpretation of the result obtained.
- Identifying fungal, parasitic, viral and bacterial infections.
- Antibiotic sensitivity method by Vitek 2 automated system and Kirbybauer method.
- Sample collection, analysis and evaluation of sterility check in critical care units, Operation theaters and BMT, in hands with Infection Control Team.
- Performing quality assurance and quality control (QA and QC) within the laboratory.
- Responsibilities of documentation and record maintenance for NABL and NABH accreditation processes.
- Recording, analysing and interpreting data.
- Managing laboratories.

## Key Skills

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- Microbial diagnostics
- Molecular diagnostics
- Microbial identification of Clinical Specimens.
- Proficient in Microbiology practicals.
- Microbial techniques in bacteriology, serology, mycology and virology.
- Have the ability to handle and deal with Cold Centrifuge, Spectrophotometer, Atomic Absorption Spectrometer, AGE and PAGE apparatus.
- Experienced in Arcus Air Hospital Information System (HIS).
- Water quality testing & Milk quality testing.
- Confident in providing necessary support in other areas.
- Good computer skills and proficiency in Microsoft Office.

## **Instruments Handled**

- VITEK 2-Compact (Automated Bacteriological Identification)
- Architect i1000 (Automated immunoassay analyzer)
- BacT/Alert -3D (Automated culture system)
- MiniVidas (Immuno analyser)
- Truenat RT PCR closed system( Molecular analyser)
- Biorad ELISA Reader with PW40 Washer

## **Achievements**

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- Actively participated in JCI (7th edition) assessment in Meitra hospital in Jan 2023.
- Actively participated in NABL audit in Meitra hospital in 2021
- Participated in NABH (5th edition) assessment in Meitra hospital in 2022.
- Participated in NABL reassessment.
- Participated in NABH Reassessment.

## **Projects**

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- Topic : **Effect of Nano CuO on Soil Microbial Properties in Turmeric Rhizosphere (2019)**  
Guide : Dr. V Sreenivasan (Principal Scientist, Crop Production)  
Centre : ICAR - IISR, Calicut, India
- Topic : **Antifungal Activities Of *Bacillus Cereus* Extracts Obtained From Soil (2017)**  
Guide : Shainy N K (Asst. Professor)  
Centre : Safi Institute Of Advanced Studies, Vazhayoor, India

## **Academics**

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- **MSc Microbiology**  
MES College Marampally, Aluva, India (2017 – 2019)
- **BSc Microbiology**  
SIAS Vazhayoor, Malappuram, India (2014 – 2017)
- **Higher Secondary Education (79%)**  
Farook Higher Secondary School, Feroke, India (2012 – 2014)
- **High School Education (SSLC) (94.44%)**  
Farook Higher Secondary School, Feroke, India (2011 – 2012)

## **Certifications**

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- Highfield Level 3 Award in HACCP for Food Manufacturing (RQF) (2019)
- HIV Testing & Counselling Training (HTCT) conducted by SIMATS Deemed University (2023)

## Personal Details

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- Date Of Birth : 21-11-1996
- Gender : Female
- Marital Status : Married
- Nationality : Indian
- Religion : Muslim
- Languages Known : English, Hindi and Malayalam

## References

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- **Dr. Shabhana Razmin** (MPhil, PhD- Medical Microbiology)  
Head-Laboratory medicine, Meitra hospital, Calicut  
Ph: +91 9207702017
- **Dr. V Sreenivasan** (Principal Scientist, Crop Production)  
ICAR- IISR, Calicut  
Email : srinivasan.v@icar.gov.in

## Declaration

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I pledge and declare that the above information given by me is true to the best of my knowledge and can be verified at any point of time.

**DILRUBA O**

**KERALA**