



AKHILA VALSAN

Microbiology Technologist

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To explore the possibility of achieving a top position in an organization that provides me advantages over my qualification and work experience and to build a carrier in a leading medical environment with committed and dedicated people, which help me to explore myself fully and realize my potential.

Academic Summary

- | | |
|-----------------|--|
| Jun 2022 | Master of Science in Medical Microbiology
School of Medical Education, CPAS, Mahatma Gandhi University, Kottayam, Kerala |
| Apr 2018 | Bachelor of Science in Medical Microbiology
School of Medical Education, CPAS, Mahatma Gandhi University, Kottayam, Kerala
Scored 69% with 2 nd rank |
| Mar 2013 | Higher Secondary
SNDP Higher Secondary School, Ernakulam, Kerala
Scored 83.2% |
| Mar 2011 | SSLC
St. Joseph's CGHSS, Ernakulam, Kerala
Scored 85% |

DISSERTATION

- Detection of Dengue virus serotypes in Dengue NS1 positive patients in a tertiary care centre in central Kerala

Inter University Centre for Biomedical Research and Super Speciality Hospital (IUCBR & SSH), Kottayam

WORK PROFILE

Jul 2022

Present

Microbiologist

Sree Sudheendra Medical Mission Hospital, Ernakulam

May 2021

Jul 2021

Volunteer (RT PCR- SARS- CoV-2)

Inter University Centre for Biomedical Research and Super Speciality Hospital (IUCBR & SSH), Kottayam

Apr 2019

Jul 2019

Observership in Microbiology

Aster Medcity, Ernakulam, Kerala - A 670 bedded quaternary care multispeciality hospital with JCI and NABH accreditation

Sep 2018

Mar 2019

Internship in Microbiology

General Hospital, Ernakulam, Kerala - A 783 bedded multispeciality hospital and is one of the best well-equipped government hospitals in Kerala. This is the first Government hospital with NABH accreditation and FICCI award 2012 in Kerala.

PROFESSIONAL AFFILIATIONS

- Association of Medical Microbiology and Biochemistry Students and Graduates (AMMBS), Reg. No. - K1338

SKILLS & EXPERTISE

- Performed bacterial and fungal staining procedures with a review of smears, along with managing inter quality control check.
- Performed blood culture, urine culture, stool culture, throat swab culture, pus culture and other body fluid culture to diagnose disease-causing agents (bacteriology and mycology).
- Involved in interpreting the clinical significance of positive cultures and other abnormal test results under the supervision of the specialist microbiologist.
- Proficient in **Antibiotic Sensitivity Test** and **Biochemical Identification Tests**.
- Expertise in preparation of various culture media.
- Performed latex agglutination and rapid antigen tests.
- Handled automated culture systems like **Bactec 9050** and **BacT/ALERT 3D** and automated microbial identification and sensitivity system (**VITEK-2 Compact**).
- Managed serological and immunological tests like **Leptospira IgM ELISA, Dengue IgM ELISA, Dengue Ag ELISA, ANA ELISA, HAV ELISA**.
- Performed environment and operation theatre sterility testing.
- Managed sterilization and quality control in microbiology.
- Maintenance of records and data management.
- Hands on experience in **RT PCR (SARS – CoV -2 testing)**.



EQUIPMENTS HANDLED

- Bactec 9050 and BacT/ALERT 3D
- Bio- Rad C1000 Dx Thermal cycler
- Thermo Fisher Quant Studio 3 RT PCR System
- King Fisher Flex Purification System (RNA Extraction)
- Eppendorf Thermomixer C
- Eppendorf Centrifuge 5424R, 5920R
- Tarsons SPINWIN MC – 00 Microcentrifuge
- Esco Labculture class II Type A2 Biosafety Cabinet
- Heal Force LC Type A2 Biosafety Cabinet
- Laminar Airflow



SEMINARS ATTENDED

- **Oral Microbiome and Infections : Revisiting the Fundamentals**
Department of Microbiology, Kasturba Medical College, Mangalore
- **Management of fungal co-infections in COVID- 19**
BD India
- **Laboratory Testing & Health : Covid -19 Pandemic**
ACMB and PIET
- **Genome**
MICROFEST 2016 in Kottayam, Kerala
- **Microbiomes and Second Genome**
MICROCON 2K15 in Kottayam, Kerala

QUALITIES

- Effective leadership quality
- Confident to accept challenges
- Ability to deal with people diplomatically
- Good communicative and interpersonal skills
- Hard working, punctual and responsible
- Questioning skills

LANGUAGES KNOWN

English ● ● ● ● ●

Malayalam ● ● ● ● ●

Hindi ● ● ● ● ●

Tamil ● ● ● ○ ○

REFERENCE

Dr. Harish Kumar K S

Professor and HOD, Dept. of Medical Microbiology, SME, CPAS, Kottayam, Kerala

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