

RESUME

ASISHA HARSHAN

Ampady,
Valiyaparabu P.O, K.K North,
Karthikappally, Alappuzha (Dist),
Kerala (state), India
Pin No: 690516



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JOB PROFILE: MICROBIOLOGIST

OBJECTIVE: -

I would like to work for an Organization which can utilize my potential to its fulfill extent & creative for the all-round development of the company with constraints in professional way and delivering value-adding services to the clients.

WORK EXPERIENCE: -

1. AMRITA INSTITUTE OF MEDICAL SCIENCE AND RESEARCH CENTRE

- **Designation** : Micro Biologist
- **Period** : May 5st 2017 to May5th 2018

❖ **Job Responsibilities: -**

- **BACTERIOLOGY**

- Standard identification and antibiotic susceptibility testing of patient samples including; Blood, CSF, Sterile Body Fluids, Bone marrow, Respiratory Samples, Urine, Stool, Tissue, Bone, Pus, Ocular Samples, Genitourinary Samples etc .
- Automated Aerobic and an aerobic Culture for Blood, Bone Marrow and Sterile Body Fluids (BACTECT)

- **MYCOLOGY**

- Fungal culture and Identification

- Cryptoccal antigen detection test
- Antifungal Susceptibility testing for yeast
- PARASITOLOGY
 - Malarial antigen detection (Immunochromatographic method)
 - Stool Microscopy for cysts/trophozoites/helminthic eggs/larvae and adult worm.
 - Stool concentration method
 - Modified acidfast staining for coccidian parasites.
- MYCOBACTERIOLOGY (RNTCP designated microscopic Centre)
 - Ziel Neelson staining for Acid fast bacilli from sputum and extrapulmonary specimens.
 - Microscopy of slit skin smears for lepra bacilli
 - Auramine phenol staining for Mycobacterium spp
 - Solid culture for pulmonary and extrapulmonary tuberculosis
 - Automated culture for tuberculosis (BacT/ALERT 3D)
 - Culture and identification of Atypical mycobacterium
 - Rapid identification of MTB complex using MPT64 antigen
 - Gene Expert- Rapid identification of MTB & Rifampicin resistance.
- SEROLOGY.
 - Syphilis serology –Screening with RPR and conformation with TPHA
 - Anti-leptospira antibody Igm(ELISA)
 - Enteric fever serology- Widal test
 - Anti-brucella antibody Igm (ELISA)
 - Aspergillus Fumigatus IgG ELISA)
 - Viral Serology-
 1. HBsAg ELFA
 2. Anti HBs antibody ELFA
 3. HB-Core IgM antibody ELFA
 4. HBeAg ELFA
 5. Anti HBe antibody ELFA
 6. Anti HCV antibody ELFA
 7. Anti HAV IgM ELFA
 8. Anti HEV IgM ELFA
 9. HIV ELFA
 10. Anti CMV IgM, IgG ELFA
 11. Anti Rubella IgM ELFA
 12. Anti HSV ½ IgM antibody ELISA
 13. Anti EBV IgM, IgG ELISA
 14. Anti Dengue IgM, IgG ELISA
 15. Mycoplasma IgM ELISA
 16. Vericella Zoster IgG ELFA
 - Pre OP serology-
 - Automated Serology Testing for HIV, HBsAg, Anti HCV (ARCHITECT)
 - Parasite serology
 1. Toxoplasma IgM ELISA

- 2. Malarial antigen detection (ICT)
 - Immunology
 1. RA Factor
 2. ASO (Anti-Streptolysin O antibody)

2. HUDA TRUST HOSPITAL, HARIPPAD

- **Designation** : **Micro Biologist**
- **Period** : **June 1st 2016 to October 6th 2016**

❖ **Job Responsibilities: -**

- Bacterial Identification from the patient's sample.
- Antibiotic Sensitivity Testing.
- Bacterial Culturing, Staining and Biochemical Tests.
- Biochemical Testing of Patients Serum.
- Card testing for disease Diagnosis(ICT)

TRAINING ATTENDED: -

- ✚ Participated in On-the-job training in **Uni Biosys, Cochin, based on the "Quality Control Analysis of Food and DNA Fingerprinting.**
- ✚ Participated in the Practical Training Program, conducted in the **Bio-fertilizer Manufacturing Unit, Abtech.**

ACCADAMIC PROJECT ACHIEVEMENTS: -

1. For Post-Graduation:

- **Optimisation Studies and Redesigning of Amritadeepam – a Microbial Fuel Cell based lantern**
 - Microbial Fuel Cell is the Bio-electrochemical system that harnesses the power of respiring microbes to convert organic substrates directly into electricity.

2. For Graduation

- **Main Project - Microbiological Assay of Erythromycin Stearate Tablets.I.P.**
 - Microbiological Assay of Erythromycin Stearate Tablets.I.P, by the Cylinder plate method; Based upon the comparison of inhibition of growth of microorganisms by a known concentration of standard preparation of the antibiotic, having a known activity.

- Friability Test to determine the physical strength of the tablets.
 - Disintegration Test to determine whether the tablets disintegrates within a prescribed time, when placed in a liquid medium under the prescribed experimental conditions.
- **Mini Project - Production of *Pseudomonas* as a Biocontrol agent**
- *Pseudomonas fluorescence* is a non-pathogenic, saprophyte that colonizes soil, water and plant surface environments; they can suppress plant diseases by production of number of secondary metabolites including antibiotics, siderophores and hydrogen cyanide.

PRATICAL SKILLS ACHEVIED:

- **Microbiology:** Microscopy, Pure Culture Techniques, Biochemical tests, Staining Techniques, Bacterial Examination of water, BOD,COD of sewage water.
- **Molecular biology techniques:** Gel electrophoresis (PAGE, AGE), plasmid Isolation, Affinity Chromatography, PCR, Restriction enzyme digestion
- **Biochemistry:** Purification of Fibronectin (Plasma Proteins) with gelatin affinity chromatography, analysis by SDS-PAGE, Isolation of natural products (carotene, chlorophyll) with column chromatography, enzyme kinetics, Protein precipitation, Dialysis.
- **Microbial Fuel cell:** Cyclic Voltammetry, Impedance, Tafel, Polarization Curve.

SCHOLASTIC ACHIEVEMENTS

Course	Year	University/College	Percentage
Post Graduate in Microbiology	2014 - 2016	Amrita School of Biotechnology (AmritaVishwa Vidyapeetham)	70
Graduate in Zoology & Industrial Microbiology	2014	ST. Berchmans College, Changanachery, Kerala (Mahatma Gandhi University)	77.25
XII	2011	Holy Trinity Vidyabhavan, (CBSE)	65
X	2009	Holy Trinity Vidyabhavan, (CBSE)	76.8

MY STRENGTH: -

- Ability to work and co-ordinate in a team effectively.
- Hard working and patient.
- Loyalty and commitment to grow.
- Quick learner, Optimistic.
- Positive attitude.
- Ability to manage multiple tasks and deadlines.
- Commitment to quality and high standards.

IT SKILLS: -

- ✓ Good Knowledge in MS Office.
- ✓ Basic knowledge in C Programming and Visual Basic Programming
- ✓ Image J.
- ✓ Mendeley.

PERSONAL PROFILE:

Permanent Address : Asisha Harshan
Ampady,
Valiyaparabu P.O, K.K North,
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Kerala (state), India
Pin No: 690516

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Date of Birth : 1st September 1992

Father's Name : Harshan Paraman

Mother's Name : Valsala Harshan

Nationality : Indian

Sex/Marital status : Female/Married

Spouse Name : Anand Vishnu G.A

Language Known : English, Malayalam

Passport No : R 3540372
Place of issue : Cochin
Date of expiry : 13/07/2016 - 12/07/2026
Current salary : Can be provided on request.
Expected : Negotiable
Notice Period : As per Norms

FOR REFERENCES: -

- Mr. Ajith Madhavan (Asst. Professor, Amrita School of Biotechnology) (ajithm@am.amrita.edu).
- Dr. Jose D Kaippallil (HOD and Associate professor, St. Berchmans College, Changanachery) (josekaipally@gmail.com).

DECLARATION:

I hereby declare that all the particulars given by me on this resume are to the best of my knowledge and belief, true and correct.

Date : 10-1-2019

Place : HARIPPAD

ASISHA HARSHAN