

AKSHARA T.S

Thettayil House,

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Kerala, India

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CAREER OBJECTIVE

Seeking a challenging career, to make the best use of my analytical and theoretical knowledge, learned through the curriculum, practical and experimental learning for a challenging career in the field of biotechnology. Also to use my strong critical thinking skills with a high degree of precision and commitment to secure a responsible career as well as to enhance humankind with my knowledge.

EDUCATIONAL QUALIFICATIONS

- **M.Sc. Biotechnology** (2019-2021) CMS College, Kottayam,
Kerala
Mahatma Gandhi University, Kottayam
CGPA: 4.01/5
- **B.Sc. Biotechnology** (2016-2019) MES College, Marampally,
Aluva
Mahatma Gandhi University, Kottayam
CGPA: 8.33/10
- **Higher Secondary Education**
SNDP HSS, Aluva, Ernakulam
Higher Secondary Board of Education, Kerala. Percentage:
84%
- **Secondary Education**
St. Ann's. EMHSS, Eloor, Ernakulam
Kerala State Board Of Education
Percentage: 87%

TECHNICAL SKILLS

Microbiological: Sterilization Techniques, Media Preparation, Staining Techniques, Motility Test, Isolation, Plating Techniques, IMViC Tests.

Mammalian culture: Cell revival, Cell splitting, Cell freezing.

Molecular Biology: Isolation of DNA from Plant, Isolation of RNA, Isolation of Protein, Isolation of Plasmid, Agarose Gel Electrophoresis, PAGE, SDS-PAGE, Western Blotting, PCR, qRT-PCR, Bisulfite Sequencing PCR, Touchdown PCR, Sequencing PCR.

Plant tissue culture: Anther culture, embryo culture, callus culture

Immunology: Blood Grouping and Rh Typing, WIDAL Test, Antibiotic Sensitivity Test, Immunodiffusion, Immunohistochemistry.

General Biochemistry: Spectrophotometric Experiments , Chromatographic Techniques , Colorimetric Experiments.

Bioinformatics: BLAST, MSA, RASMOL, PHYLIP, PCR Primer Designing (Primer Premier).

Statistical analysis: Mean, Median, Mode, Standard deviation, ANNOVA, Chi square test, Student T test.

Proficient in MS Word, MS Excel, MS PowerPoint.

PROFESSIONAL SKILLS

- Good communication skills.
- Good writing skills
- Demonstrated skill in problem solving and critical thinking
- Excellent experimental design, communication, organizational skills and great work ethic
- A strong academic background in either biology or biochemistry with basic laboratory skills.
- Effective skills using analytical thinking, problem solving, interpersonal relationship, written and oral communication, and planning/organization

TRAINING EXPERIENCE

- Internship at Rajiv Gandhi Centre for Biotechnology, Trivandrum, under the guidance of Dr. Sumi. S, Cardiovascular Diseases and Diabetes Biology, RGCB, Trivandrum, September 2021-present.
- Internship in “Biotechnology and Tissue Culture” at Rubber Research Institute Kottayam from September 23-09-2019 to 27-09-2019.

ACADEMIC PROJECTS

- Completed a dissertation on **“Isolation and Molecular Identification of Staphylococci from different points of waste discharging into Vembanad Lake”** at ICAR-Central Institute of Fisheries Technology, Willington Island, Kochi, Kerala, under the guidance of Dr. G.K.Sivaraman , Principal scientist, Department of Microbiology, Fermentation and Biotechnology, ICAR-CIFT, Kochi, Kerala, in December 2018.
- Completed a review article on **“Isolation, Screening and Characterization of Biosurfactant producing Pseudomonas Strains from Oil contaminated soils”**

SKILL ACQUISITION AND SEMINARS

- Certificate for completing online course on Medical coding
- Certificate for completing online course on Mind Control : Managing your Mental Health during COVID-19.
- Participated in three days Online Training on “Mushroom Cultivation, Composting Techniques and Vegetable Cultivation organised by the Department of Biotechnology & IQAC, St. Peter’s College, Kolenchery in association with Krishi Vigyan Kendra, Kerala Agricultural University, Thrissur
- Webinar on "Algal Biotechnology For Bioenergy And Bioremediation" Organised by Department of Biotechnology and Applied Microbiology, St. Thomas College, Pala.
- Participated in an International webinar on “Translational research for Nutraceuticals:Present status, Challenges & Future Strategies” & “Nanocarriers for Cancer Drug Delivery” organized by Department of Bioscience in association with IQAC, Indira Gandhi College of Arts and Science, Kothamangalam.

LANGUAGES

- Native or bilingual proficiency (C2) in Malayalam.
- Minimum working proficiency (B2) in English.
- Minimum working proficiency (B2) in Hindi.
- Elementary proficiency (A2) in Tamil.

REFERENCE

- Dr. Sumi. S, Program Scientist
Cardiovascular Diseases & Diabetes Biology
Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram, Kerala
Ph: +91-471-2529-467
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- Dr. Jinu John
Head of Department, Biotechnology
CMS College, Kottayam, Kerala
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- Dr. G.K. Sivaraman
Principal scientist, Microbiology, fermentation & biotechnology
ICAR-Central Institute of Fisheries Technology, Willington Island , Kochi
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DECLARATION

I hereby declare that the above mentioned details are true to the best of my knowledge and belief.

Place : ERNAKULAM

AKSHARA T S

Date : 15/03/2022