



Athira A S

Date of birth: 04/05/1995 | **Nationality:** Indian | **Gender:** Female |

Phone number: (+91) 7902356101 (Mobile) | **Email address:**

athirasugathan1995@gmail.com |

Address: Athira Poovattoor east Kalayapuram P O, 691560, Kottarakkara, India (Home)

● ABOUT ME

Aspiring Microbiologist, seeking job openings to develop and continuously learn from workplace, where I can show my talent and skills in an atmosphere of growth and trust, that simultaneously allows me in perfecting my skills as I contribute high quality work as much as I can and encouraging me to flourish as a Microbiologist.

● WORK EXPERIENCE

03/2022 - 06/2023 Kochi, India

RESEARCH ASSOCIATE ENFYS LIFESCIENCES PVT LTD

Microbial analysis

Conducted various tests, analyzed the results and prepared reports based on their findings to diagnose various disease.

DNA, RNA or Protein extraction from biological samples.

Performing PCR, Gel electrophoresis.

Initiated nucleic acid quantification using UV spectrophotometer.

Develop or assist in developing experimental design and test plan.

Prepared media for various organism and culture them for recognition.

Collect and test raw materials perform Microbiology daily management using swabs and water sampling.

06/2019 - 02/2020 Kollam, India

INTERNSHIP AMRITA SCHOOL OF BIOTECHNOLOGY, KOLLAM

Work on the topic "Characterization of Munumbicin & other Antimicrobial Metabolites from *Streptomyces costaricanus*" under the guidance of Dr. Ajith Madhavan Asst. Professor and Dr. Sindhu Shetty Asst. Professor, Sanitation biology department.

01/2021 - 01/2022 India

PROJECT TRAINEE AMRITA SCHOOL OF BIOTECHNOLOGY, KOLLAM

Guiding project students for their dissertation work on the topic "Antimicrobial activity of actinomycetes against Nosocomial Bacterial Pathogens.

Instruct students on how to write and format a thesis.

Manuscript writing.

● EDUCATION AND TRAINING

2017 - 2019 Kollam, India

MSC MICROBIOLOGY Amrita School of biotechnology

Under the guidance of Dr. Ajith Madhavan Asst. Professor, Amrita School of Biotechnology and Dr. Sindhu Shetty Asst. Professor, Amrita School of Biotechnology. 23 Actinomycetes isolates were isolated and checked the bioactivities of actinomycete isolates and bioactive compound was obtained.

Final grade 7.31 **Thesis** Versatile bioactivities of actinobacterial isolates - an exploratory study

2014 - 2017 Kollam, India

BSC MICROBIOLOGY Amrita School of biotechnology

Under the guidance of Dr. Ajith Madhavan Asst. Professor, Amrita School of Biotechnology and Dr. Sindhu Shetty Asst. Professor, Amrita School of Biotechnology. In which an energy-neutral aerator was developed which could be applied while composting.

Final grade 7.31 |

Thesis Pneumatophore inspired biomimetic approach to develop an energy neutral aerator for the application in composting.

08/2023 - 12/2023

MEDICAL CODING AVODHA EDUTECH PRIVATE LIMITED

LANGUAGE SKILLS

Mother tongue(s): **MALAYALAM**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken productio	Spoken interaction	
ENGLISH C2		C2	C1	C1	C2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

DIGITAL SKILLS

Microsoft Office | Microsoft Word | Microsoft Excel

ADDITIONAL INFORMATION

PUBLICATIONS

[Pneumatophore inspired biomimetic approach to design an energy neutral aerator for application in composting.](#)

- 2017

Madhavan, A., Shetty, K.S., Anjana, G., Das, A., Athira, A.S., Hari, H., Lekshmi, K.S., Babu, S. and Nair, B.G., 2017, December. Pneumatophore inspired biomimetic approach to design an energy neutral aerator for application in composting. In 2017 International Conference on Technological Advancements in Power and Energy (TAP Energy). IEEE.

RECOMMENDATIONS

Dr. Ajith Madhavan Associate Professor

Amrita School of Biotechnology

Email ajithm@am.amrita.edu | **Phone** (+91) 8921258396

Dr. Sindhu Shetty K Assistant Professor

Amrita School of Biotechnology

Email sindhushettyk@am.amrita.edu | **Phone** (+91) 8547237415

TECHNICAL SKILLS

Basic Microbiological skills

Pouring, Plugging, Slant preparation, Streaking on plates & Subculture techniques
Biochemical tests for screening of microbes

Isolation and Culturing of microbes from Soil, Water etc. Samples Serial dilution method for bacterial cultures.

Staining.

Antibiotics Sensitivity test

Microbial assay of antibiotics by diffusion method.

Food Microbiological Techniques

Isolation and characterization of spoilage microorganisms.

Dye reductase test.

Breed count technique for milk samples.

Most Probable Number technique for water samples.

Checking the quality of canned food.

Analytical Techniques

DNA isolation and purification, Restriction enzyme digestion.

PCR

Chromatographic techniques AGE, PAGE.

Plasmid isolation from microbes.
