Lavanya T



OBJECTIVE

Dynamic biochemistry educator with a proven track record at Pazhassiraja College, excelling in curriculum development and student mentorship. Demonstrated analytical skills through hands-on DNA analysis at the Regional Forensic Science Laboratory. Recognized for strong leadership and effective communication, fostering an engaging learning environment that enhances student performance.

EXPERIENCE

Assistant Professor - Department of Biochemistry June 2024 - Present

Pazhassiraja College, Pulpally, Wayanad

- Taught undergraduate courses in Biochemistry, including Molecular Biology, Enzymology, and Metabolism.
- Conducted laboratory practical sessions for undergraduate students, ensuring hands-on training and compliance with safety standards.
- Guided students in research projects and assignments, fostering scientific inquiry and analytical skills.
- Prepared lesson plans, course materials, and assessments in alignment with departmental objectives.
- Participated in valuation camp for the evaluation of university examinations and practicals.
- Provided academic advising and mentorship to students pursuing higher studies and careers in life sciences.
- Contributed to departmental seminars, workshops, and curriculum development activities.

Intern September 2023 - November 2023

Regional Forensic Science Laboratory, Kannur

- Performed biological, DNA, and microscopic analysis on evidence collected from the crime scene.
- Acquired hands-on experience in manual and machine-based extraction of DNA, followed by amplification using the PCR technique and software-aided DNA sequencing.
- Developing and validating test results.
- Explored possible links between suspects and criminal activities using DNA and other scientific analyses.

Trainee January 2023 - May 2023

Medilabs

- Evaluating, analyzing, and executing all the routine tests in the sections as per standard operating procedure.
- Systematic evaluation and analysis of blood, urine, and stool samples.
- Adept in routine laboratory equipment operation, conducting necessary experiments, handling, and analyzing samples.

CONTACT

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PERSONAL DETAILS

Date of Birth	:	24/02/1999
Marital Status	:	Married
Nationality	:	Indian
Gender	:	Female

SKILLS

Adept presentation abilities

DNA/RNA Isolation

Eloquent communication

Strong leadership and decision-making skills

Analytical Skills

Tutoring

Course Design & Curriculum Development

ACHIEVEMENTS & AWARDS

Second rank holder in graduation from Kannur University

Second rank holder in Post Graduation from Calicut University

- Gained operating experience in the following laboratory equipment.
  - Mispa Nano Biochemistry Analyzer.
  - Beckman Access 2 Hormone Analyzer.
  - Mispa i2.
  - Horiba ABX Pentra Hematology Analyzer.

EDUCATION

Master of Science - Biochemistry 2022
Calicut University, Pazhassiraja College, Pulpally
4.4/5.0

Bachelor of Science - Biochemistry 2020
Kannur University, Gurudev Arts and Science College, Payyanur, Kerala
86.23

Higher Secondary (+2) 2017
Progressive English School

SSLC 2015
Progressive English School

PROJECTS

[Graduation] Type - 2diabetes associated with lifestyle andit'sprevalence
Study of type 2 diabetes, its occurrence associated with an individual's varying lifestyle, and its prevalence in different genders.

[Post graduation] Study of myeloperoxidase inhibitory potential of the phytochemical gallic acid
The MPO inhibition assay was conducted to determine whether gallic acid is an inhibitor of myeloperoxidase. Following various chemical analyses, it was established that gallic acid is, in fact, an effective inhibitor of myeloperoxidase. Through the docking simulations, the potential of gallic acid to bind to the myeloperoxidase protein is detected

STRENGTHS

Trustworthy

Discipline

A team player

Effective communicator

Quick learner

LANGUAGES

Malayalam

English

Hindi

Tamil