

MIDHUN V S



midhun.vs2022@outlook.com
+91 8138084136

Objective

I am committed to advancing education and research in Biochemistry through a position as a lecturer. With a solid academic background and a passion for fostering student engagement, I aim to inspire the next generation. My strong presentation skills and analytical strategies will enhance classroom experiences and promote collaborative learning. I am eager to contribute to innovative research projects alongside esteemed faculty members, addressing critical challenges in the field. I believe my proactive approach, adaptability, and dedication to academic excellence make me a strong candidate for this role.

EXPERIENCE

Lecturer

(September 2024 – Present.)

Department of Biochemistry.

Rajas Dental College & Hospital, Nagarcoil, Tamil Nadu.

- Designed and delivered engaging lectures on core Biochemistry topics, enhancing student comprehension and participation.
- Supervised laboratory experiments, ensuring adherence to safety protocols and accurate data analysis.
- Organized and facilitated departmental seminars, quizzes, and conferences on recent advances in Biochemistry and molecular research.
- Mentored undergraduate students in research projects, guiding them in experimental design, data interpretation, and scientific writing.
- Improved teaching methods to increase remedial class pass percentage.

EDUCATION

M.Sc. Biochemistry	2021 - 2023 (UoC, Kerala 6th rank holder.) Department of Lifesciences, University of Calicut, Kerala.
B.Sc. Biochemistry	2018 - 2021 (UoC, Kerala 18th rank holder.) Shree Krishna College, Guruvayoor, Thrissur, Kerala.
Higher Secondary Education	2016 - 2018 (93 %) Gov. Higher Secondary School Mullassery, Thrissur, Kerala.
Secondary school	2016 (Full A +) St. Joseph's High School, Enamakal, Thrissur, Kerala.

Academic & Outreach Activities

Tutoring experience – NCERT Zoology, Botany, Chemistry (Higher Secondary level).

Event organization – Seminars (e.g., IQAC-SKC Guruvayoor), science fests, cultural fests.

Participation – National & international seminars (IISR Kozhikode, Kerala Police Academy, etc.).

Clubs & competitions – Science clubs, quiz clubs.

Science communication – Scriptwriting, directing, acting for science drama/skits.

REFERENCES

Dr. E. Sreekumaran,
Associate Professor

Department of life sciences, University of Calicut,
Kerala, India.

Phone (Off): +91-4942407409

Mobile: +91-9539254721

Email: drsreekumaran@uoc.ac.in

Dr. B S Harikumaran Thampi,
Professor

Department of Life Sciences University of Calicut,
Thenjipalam, Kerala, India. Kerala – 673635

Phone 9446439655, 9400169655

Email: drhari@uoc.ac.in

Dr. Anoopkumar A. N.
CMNPF

Department of Zoology University of Calicut, Thenjipalam,
Kerala, India.

Founder and CEO of Softondoor.com

Phone: +91 8590320226, +91 9400680415

Email: Anoopkumar.247@gmail.com

SKILLS

Languages

Proficient in English, Excellent in Tamil and Malayalam, Literate in Hindi.

Project

During my dissertation, titled “Fatty Alcohol Profiling and Anticancer Activity of Bran Extract of *Pokkali* (a geo traditional variety of rice) on Human Colorectal Cancer Cell Line (HCT116)” focused on the cytotoxicity of bioactive compounds using the MTT assay. Through this project, I enhanced my research and analytical abilities while developing a keen eye for detail. Designed and executed biochemical experiments leading to statistically significant findings on bioactive compounds' anticancer properties. This experience has instilled in me a passion for investigative inquiry.

During my academic journey I acquired following skills

Laboratory & Research Techniques

Metabolism & Biochemistry: Strong theoretical foundation in biochemical pathways and metabolic regulation.

Experimental Design & Execution: Proficient in project design, modification, and execution for research studies.

Molecular Biology Techniques: Hands-on experience in rt-PCR, ELISA, enzyme activity assays.

Cancer Research & Cell Culture: Skilled in cancer cell culturing, cytotoxicity assays (MTT), and microscopy.

Spectrophotometry & Colorimetry: Expertise in quantitative analysis using Spectrophotometry, fluorescence, and colorimetry.

Basic microbiology handling skills.

Chromatography (e.g., TLC & Paper chromatography).

Electrophoresis (SDS-PAGE, AGE).

Enzyme kinetics (Michaelis–Menten, inhibition assays).

Quality Control & Data Integrity: Ensuring accuracy, reliability, and reproducibility in experimental results.

Data Analysis & Scientific Writing

Data Collection & Interpretation: Systematic recording, statistical analysis, and troubleshooting experimental inconsistencies.

Scientific Writing : Skilled in manuscript preparation, literature reviews and research presentations.

Digital Skills

Microsoft 360 tools proficiency.

Illustration tools (for academic figures).

Social media management (academic/outreach purposes).

Teaching, Ethics & Collaboration

Ethical Research Compliance: Knowledge of CPCSEA guidelines and adherence to laboratory safety protocols.

Academic Mentorship & Teaching: Experience in student research supervision, scientific communication, and curriculum development.

Collaborative Research & Presentations: Ability to communicate findings effectively in seminars, conferences, and interdisciplinary teams.

Declaration: I hereby declare that the above information is true and correct to the best of my knowledge and belief.