



Name: Mr Amaze Mathe

Designation: Assistant Professor

Department: Department of Biotechnology, Microbiology, Biochemistry

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Brief Profile

Mr. Amaze Mathe a computational biologist and biotechnologist currently in the final phase of Ph.D. at Vignan's Foundation for Science, Technology and Research. My research focuses on structure-based drug discovery using molecular docking, molecular dynamics, DFT, and QM/MM approaches to identify dual COX inhibitors from bioactive compounds. I am actively involved in teaching bioinformatics, synthetic biology, bioprocessing engineering and mentoring undergraduate students in life sciences and computational life sciences.

Educational Qualifications

- (Ph.D.) (Biotechnology)
- M-tech (Biotechnology and Bioprocess Engineering)
- B-tech (Biotechnology)

Teaching & Research Experience

- 3 months (Malla Reddy Deemed to be University)
- 3 years (Vignan's Foundation for Science Technology and Research)

Areas of Interest / Specialization

- Computational Biology and Bioinformatics
- Computer-Aided Drug Design (CADD)

Publications - 4

Seminars attended – 3 International Conferences, 6 National Conferences

Workshops attended – 8

Awards/Achievements / Certifications/Memberships/Resource persons

- Young Investigator Award (500 USD): 18th Annual International Conference (KSMO 2025)

Patent published: Title: “Integrated computational and experimental workflow for dual COX1 and COX2 inhibitor development” publication date: 09/05/2025

Membership:

- Society of Young Agriculture and Hydrology Scholars of India (SYAH)