

FACULTY PROFILE



Dr. V. P. Limna Mol

Assistant Professor (Marine Ecology),

Course Coordinator M.Sc. Marine Biology

Ph.D (CUSAT)

Marine Ecology

Contact details



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Dr. V.P. Limna Mol, an Assistant Professor specializing in Marine Ecology at Kerala University of Fisheries and Ocean Studies (KUFOS), serves as the Course Coordinator for M.Sc. Marine Biology. Her research interests encompass marine coastal resources, bioprospecting of marine microalgae, and molecular taxonomy of marine organisms.

Dr. Limna Mol's dedication to academia is evident in her mentorship of numerous postgraduate and doctoral students. She has established key research facilities at KUFOS and leads several externally funded projects. Notable among these are her roles as an investigator in the MoES-funded Collaborative Deep Ocean Mission Project "Translational Ecology of Deep Sea (TEDS)" (2024-2026), exploring host-microbe interactions in deep-sea habitats, and as Principal Investigator for the DoECC-funded project "Ecological Resilience Indicators for Coastal Ecosystems along Kerala Coast" (2024-2027).

Her contributions extend beyond research, organizing workshops, seminars, and awareness programs on marine environmental issues. Dr. Limna Mol's work is published in peer-reviewed journals, and she holds a patent for innovative research on marine microorganisms.

As an educator and researcher, Dr. Limna Mol continues to advance the field of marine biology. Her current projects reflect a commitment to addressing critical issues in marine ecology, from deep-sea environments to vulnerable coastal zones. Through her multifaceted approach to marine science - combining teaching, research, and community engagement - Dr. Limna Mol is fostering a deeper understanding of marine ecosystems and contributing significantly to their conservation.

Teaching:

- ❖ Basic concepts of - Marine Biology
- ❖ Marine Planktonology, Algology & Benthos
- ❖ Concepts of Ecology & Ecological Dynamics
- ❖ Marine Biodiversity
- ❖ Marine Pollution & Toxicology
- ❖ Integrated Coastal Zone Management

Research Areas:

- Marine coastal resources
- Bioprospecting of marine microalgae
- Molecular taxonomy of marine organisms
- Microalgal diversity associated with plastisphere and biodegradation potential
- Marine ecological resilience indicators
- Antifouling potential of deep sea marine resources

Key Management Roles:

- Course Coordinator, M.Sc. Marine Biology
- Assistant Nodal Officer, KUFOS Business Incubation Centre
- Member, Website Committee of KUFOS
- Member, KUFOS Newsletter 'Challenger' Editorial Committee
- Nodal officer, Cup of Life programme

Publications:

- Research Gate: <https://www.researchgate.net/profile/Limna-Vp>,
- Google Scholar: <https://scholar.google.com/citations?user=TIWhXyIAAAAJ&hl=en&oi=sra>

Awards & Achievements:

- **Patent:** Indian Patent No. 369413 for "A PROCESS OF PREPARING PURIFIED AND VERY SMALL SIZED SIDEROPHORE FROM VIBRIO CAMPBELLI AND PRODUCTS THEREOF"
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- Investigator for Collaborative Deep Ocean Mission Project funded by MoES entitled "**Translational Ecology of Deep Sea (TEDS): Host—microbe interactions in the deep sea habitats and potentials for translational technology**"; Total Rs. 140.38 Lakhs (KUFOS budgetary component Rs. 24.34 Lakhs); 2 years (2024-2026)
- Principal Investigator for DoECC funded project entitled "**Ecological Resilience Indicators for Coastal Ecosystems along Kerala Coast**"; Rs. 47.03 Lakhs; 3 years (2024-2027)
- **Sethu MR and Limna Mol VP** won **Third prize for Best paper Award titled** "A study on urban green space and urban heat islands in taluks associated with central Vembanad lake" in national Seminar on the Future of Geographic Information System, organised by Department of Climate Variability and Aquatic Ecosystems, KUFOS on November 2023.
- **Manjumol C.C., Neema Job, Emilda Rosmine, Limna Mol VP, Nevin KG** won **Frist prize for poster titled** "Marine microalgae and cyanobacteria to combat ageing" in 2 day workshop on "Probiotics in Ageing" organised by Department of Food Science and Technology and Department of Marine Biosciences, KUFOS in association with Probiotic Association of India, 3-4 May, 2023.
- **Sreelakshmi S, Sreeraj CR, Limna Mol VP** won **best poster award for the poster titled** "Diversity of mangrove associated crustacean along Kerala coast" in National Conference on Reviving Wetlands, organised by KSCSTE- Centre for Water Resources Development and Management, 11-13 October 2023.
- **Alok K, Siljo Joseph, Limna Mol VP** won **First Prize for the poster titled** "Study of Mangrove associated lichens from Central Vembanad Lake, Kerala" in International Fisheries congress and Expo – 2024 organised by KUFOS and College of fisheries Panangad Alumni Association, 12-14 January 2024.

Ongoing Projects:

- Co-PI of **Conservation of indigenous fishery resources** programme - UNDP funded project – completed (November 2019 – August 2022); Rs. 52 Lakhs.
- Co-PI for DST-SERB project on **Molecular Taxonomy of marine invertebrates** from Lakshadweep archipelago (December 2021 – March 2024); Rs. 37 Lakhs.

- Co-PI for NCCR, MoES project on **Coastal hydrodynamics and sediment transport** along Kerala coast (July 2022 – 2026); Rs. 68 Lakhs.

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