

FACULTY PROFILE



Dr. Shyla G

Assistant Professor (Aquaculture)

Genetics and molecular Biology

PhD (KAU)

Contact details



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Dr. Shyla G, specializing in Fish Genetics and Molecular Biology, serves as a faculty member in the Department of Aquaculture at the Faculty of Fisheries Science, Kerala University of Fisheries and Ocean Studies (KUFOS). She earned both her MFSc and PhD from the College of Fisheries, Panangad, under Kerala Agricultural University. Her research interests focus on multidisciplinary studies in aquaculture, fish genetics, and molecular biology.

Dr. Shyla G's research experience includes genetic characterization and evaluation of various populations, genetic improvement through selection, and the exploration of anti-tumor and antimicrobial compounds using transcriptomic approaches to understand its impact on immunomodulatory pathways, as therapeutic targets.

Her commitment to continuous learning is evident by her active participation and presentations in various seminars and workshops. Her contributions extend beyond research, as she has organized workshops and training programs in aquaculture and bioinformatics. She has also published several peer-reviewed articles. Currently, Dr. Shyla G is the Principal Investigator (PI) of a project focused on the standardization of seed production technique of economically important endemic ornamental fish species meet market demands and reduce overexploitation of wild fish stocks. At KUFOS, she also serves as the nodal officer of ornamental fish breeding and culture research under AIN project funded by ICAR and is the coordinator of AR/VR, ICAR.

Teaching:

- ❖ Fundamentals of molecular Biology
- ❖ Fish cell culture
- ❖ Fish biochemistry
- ❖ Molecular and cytogenetics
- ❖ Therapeutics and Health management
- ❖ Nutraceuticals

Research Areas:

- Identification of bio molecules
- Immunomodulatory effect of bioactive compounds
- Molecular genetics
- Ornamental fish breeding and pigment enhancement
- Live fish feed

Key Management Roles:

- Nodal officer of AR/VR, ICAR
- Nodal officer All India Network project on ornamental fish breeding and culture research

Publications:

[Shyla Gopalakrishna - Google Scholar](https://scholar.google.com/citations?hl=en&user=tyagv8cAAAAJ) <https://scholar.google.com/citations?hl=en&user=tyagv8cAAAAJ>

Awards & Achievements:

- KSCSTE young Scientist Fellowship
- MFSc First Rank Holder

Ongoing Projects:

- Standardization of Seed Production Techniques of indigenous Ornamental fishes of India- Plan project

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