



Dr. D. Yuvaraj

Professor - Research
Department of Biotechnology
School of Life Sciences

Contact

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About

- Dr. D. Yuvaraj is an accomplished academic and researcher specializing in marine biology, aquaculture, and environmental biotechnology. With a Ph.D. in Marine Biology from Annamalai University, he has over two decades of experience spanning research, teaching, and academic administration. His research contributions encompass biosecure shrimp culture systems, sustainable aquaculture practices, and innovative biotechnological applications, resulting in more than 82 publications in reputed journals, several book chapters, and multiple patents. He is actively involved as a reviewer for leading scientific journals, has received significant research funding, and is frequently invited as a speaker and resource person at national conferences and academic events. Dr. Yuvaraj's expertise and commitment to advancing sustainable aquaculture and marine resource utilization have earned him recognition in both academic and industry circles

Education

Doctor of Philosophy (PhD) – Marine Biology

Centre of Advanced Study (CAS) in Marine Biology, Faculty of Marine Sciences, Annamalai University Portonovo-608 502, Cuddalore District, Tamilnadu, India,

Master of Science (M.Sc) – Marine Biology & Oceanography

Centre of Advanced Study (CAS) in Marine Biology, Faculty of Marine Sciences, Annamalai University Portonovo-608 502, Cuddalore District, Tamilnadu, India,

Bachelor of Science (B.Sc) – Zoology

Bishop Heber College, Bharathidasan University, Tiruchirapalli, Tamil Nadu, India



Research Experience

- Doctoral research work for a period of three years (2000 – 2003) on “Studies on some aspects of shrimp culture (*Penaeus monodon*)”, covering the following aspects;
 - a) Biosecure shrimp culture systems.
 - b) Crop alteration as a better sanitary practice.
 - c) Secondary aquaculture practices to treat shrimp farm discharge.
 - d) Length – weight relationships between the three culture practices.
 - e) Biometric differences between cultured and wild caught shrimps.
- Research Cruise:
 - Participated in a cruise programme on board A.A. Sidorenko, 44th cruise from 14th to 24th April 2002, from Tuticorin to Chennai, conducted by Nation Institute of Ocean Technology (NIOT) Chennai, Department of Ocean Development, Government of India as one of the research team members.



Task: Estimate the primary productivity at various depths and distances.

- Junior Research Fellow in an ICAR project entitled “Water quality and coastal pollution, waste water treatment and management leading to secondary aquaculture practices” for one year 2002 - 2003.
- Junior Research Fellow in an ICAR project entitled “Crop alteration as a means of curtailing shrimp diseases in coastal Karnataka and Tamilnadu” for two years 2000 – 2002.
- M.Sc Marine Biology and Oceanography (Dissertation) during the period 1997 – 1999, Titled “Breeding of fresh water ornamental fish Red Sword Tail (*Xiphophorus helleri*) in brackish water”



Publication details as of May 2025

- Total Journal Publications: 82
- Book Chapters : 6
- SCI : 37
- Scopus : 24
- Others : 21
- Citations : 2077
- h-index : 22
- i10-index : 33



Patents : 5 (published)



Research Interests

- Marine Biology
- Marine nutraceuticals
- Aquatic biology
- Phytochemistry
- Environmental Science
- Marine pollution & mitigation
- Food Science
- Traditional medicine
- Nanoscience