

DR. REMYA V. K.

PROFESSOR IN ZOOLOGY

Address : Sree Narayana College, NattikaPG & Research Department of Zoology,
Phone : +91 9495463080
Email : remyavariyath@rediffmail.com

PROFESSIONAL SUMMARY

Professor in Zoology with more than 15 years of extensive teaching and research experience in aquatic biology, environmental toxicology, fisheries science, mangrove ecology, and ecotoxicology. Research expertise encompasses heavy metal toxicity (with particular emphasis on cadmium-induced physiological alterations), phycoremediation strategies, hydrobiological assessments, microbial bioremediation, and ecological monitoring of aquatic and mangrove ecosystems. Demonstrated competence in integrating experimental toxicology, environmental impact assessment, and ecosystem health evaluation to address contemporary environmental challenges.

RESEARCH INTERESTS

- Aquatic Biology & Fisheries Science
- Environmental Toxicology
- Phycoremediation & Bioremediation
- Mangrove Ecology & Hydrobiology
- Aquatic Microbiology
- Ecotoxicological Impact on Spiders and Aquatic Fauna
- Fish Physiology under Stress Conditions
- Environmental Monitoring & Ecosystem Health Assessment

PUBLICATIONS

- Remya, V. K. (2016). Bioremediation potential of Spirulina platensis on Ctenopharyngodon idella exposed to cadmium toxicity. Imperial Journal of Interdisciplinary Research, 2(12), 2264–2271.
- Remya, V. K. (2016). Seasonal variation in diversity and abundance of molluscs in Chettuva mangroves with special reference to hydrological parameters. Imperial Journal of Interdisciplinary Research, 2(12), 1343–1347.
- Remya, V. K. (2018). Studies on anthropogenic and climatic changes in meiofaunal communities of Chettuva mangrove with reference to hydrological parameters. International Journal of Applied Research, 4(10), 117–121.
- Remya, V. K. (2018). Phycoremediation potential of Spirulina platensis on cadmium-induced toxicity in Oreochromis mossambicus. International Journal of Fisheries and Aquatic Studies, 6(4), 31–33.
- Remya, V. K. (2018). Analysis of acceptability of milk by qualitative detection of common adulterants. International Journal of Research and Analytical Reviews, 5(4), 87–90.
- Remya, V. K. (2019). A study of zooplankton abundance and hydrology of Chettuva mangrove. International Journal of Fisheries and Aquatic Studies, 7(1), 166–171.
- Remya, V. K. (2020). A preliminary study of butterfly fauna in selected areas of Thrissur district, Kerala, with emphasis on Pattikkadu region, Peechi. International Journal of Research in Engineering and Applied Sciences, 8(10), 238–242.
- Remya, V. K. (2020). Case study showing importance of formalin detection in fish. International Journal of Scientific Research in Engineering and Management, 4(1), 1–7.
- Remya, V. K. (2021). A comparative study of nutritive value in fresh and salt-dried fish. International Journal of Advances in Engineering and Management, 3, 257–260.
- Remya, V. K. (2024). Isolation and characterization of biosurfactant-producing bacteria from domestic waste. Uttar Pradesh Journal of Zoology, 45(13).

- Remya, V. K. (2024). On target effect of chemical and biopesticide on spiders. Bioscene, 21(2), 483–491.
- Remya, V. K. (2024). Impact of temperature on growth performance, survival rate, osmoregulation, dissolved oxygen, and physiological changes of freshwater tilapia (Oreochromis mossambicus). Uttar Pradesh Journal of Zoology, 45(15), 154–163.
- Remya, V. K. (2024). Cadmium-induced physiological and chromophore alterations in Nile tilapia (Oreochromis mossambicus). CIBTech Journal of Zoology, 13, 404–411.
- Remya, V. K. (2024). Histopathological and biochemical analysis of liver and muscle of freshwater fish (Oreochromis mossambicus) exposed to ossein and dicalcium phosphate. Scope, 14(4), 178–190.
- Remya, V. K. (2025). Influence of probiotic food on the growth performance and survival rate of goldfish (Carassius auratus). Uttar Pradesh Journal of Zoology, 46(5), 66–72.

CONFERENCE PROCEEDINGS

- Remya, V. K. (2014). Assessment of microbial contamination of Escherichia coli on phytoplankton and primary production with special reference to Vetiver. In Proceedings of the National Conference on Modern Trends in Zoological Research (March 25–26, 2014). ISBN 978-81-909551-8-8. (National publication)

- Remya, V. K. (2019). Larvicidal activities of selected plant extracts and Bacillus spores on mosquito. In Perspectives in Science (UGC Human Resource Development Centre, University of Calicut, October 2019). ISBN 978-93-88992-90-9. (National publication)

- Remya, V. K. (2021). A study of hydrobiological parameters and diversity of plankton in two different beaches. In Current Status of Biological Research: An Overview (Handbook of the National Level Virtual Scientific Paper Presentation Competition organized by ZOOTOPIA Journal Club, December 22, 2021). ISBN 978-81-7255-134-6. (National publication)

INVITED LECTURES

- Remya, V. K. (2013, February 26). Biochemical changes of cadmium toxicity in Oreochromis mossambicus. Invited lecture presented at the UGC Sponsored National Seminar on Environmental Diseases, Department of Zoology, K.K.T.M. Government College, Pullut, Kerala, India. (National Level)

RESEARCH SUPERVISION

- Supervised 41 M.Sc. Zoology dissertations (2012–2024) spanning aquatic toxicology, fish physiology, mangrove and estuarine ecology, microbial bioremediation, entomological vector control, parasitology, biodiversity assessment, and environmental monitoring. Research mentoring focused on heavy metal toxicity (cadmium, copper, malathion), phycoremediation, probiotic nutrition in aquaculture, biosurfactant-producing bacteria, plankton and bivalve diversity, intertidal and mangrove fauna, pesticide impacts on non-target organisms, and climate change–related ecological responses, integrating laboratory experimentation with field-based ecosystem analysis.

DECLARATION

I HEREBY DECLARE THAT THE INFORMATION FURNISHED ABOVE IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. ALL DETAILS PROVIDED ARE SUPPORTED BY RELEVANT DOCUMENTS AND RECORDS AS REQUIRED.

PLACE: _____

DATE: _____

DR. REMYA V. K.

PROFESSOR, DEPARTMENT OF ZOOLOGY