

Biosketch of Dr. Cherita Devi Khangembam

Dr. Cherita is an Assistant Professor in the Department of Zoology at the University of Allahabad. She is a dynamic researcher and educator specializing in aquaculture, microbiology, and environmental science. She holds a Ph.D. in Zoology from the University of Delhi (2017), where her doctoral research focused on ammonia-oxidizing archaea and bacteria in recirculating aquaculture systems, examining their composition, activity, and the abundance of *amoA* genes.



Dr. Khangembam's academic journey began with an M.Phil. (2009) and an Ph.D (2017) in Zoology from the University of Delhi, both of which provided a solid foundation for her research in microbial ecology and aquaculture. Her research interests extend to biofilters in recirculating aquaculture systems (RAS), ornamental fish breeding, and gut microbiology, with particular attention to the ecological and physiological aspects of aquatic ecosystems.

Her research experience includes maintaining and optimizing recirculating aquaculture systems, investigating various biofilters, and assessing water quality in fish culture systems. Additionally, she has expertise in the culture of zooplankton, fish diet preparation, and digestive enzyme-producing gut microbes of fish.

Dr. Khangembam has authored papers on diversity of ammonia oxidizing microbes and its optimum conditions. Her work has made significant contributions to the understanding of microbial communities in aquaculture environments, particularly the role of ammonia-oxidizing microorganisms.

In addition to her academic endeavors, Dr. Khangembam is skilled ornamental fish technician and serve as a resource person for various govt. sponsored training programs.