

Biography:

Professor Dr. Murni Marlina Abd Karim

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Murni Marlina Abd Karim is a Professor at the Department of Aquaculture, Faculty of Agriculture and Deputy Director at the International Institute of Aquaculture and Aquatic Sciences, Universiti Putra Malaysia. She obtained her Bachelor's and Master's degrees from UPM and a Ph.D. from the University of Rhode Island, United States. She is also currently an honorary secretary of the Asian Fisheries Society.

Her field of expertise is in fish health, disease management in aquaculture and aquatic biotechnology. Her research interest involves the use of multidisciplinary approaches for the prevention and management of infectious diseases in aquaculture. Particularly, her works emphasizes on determining the patterns of disease infection, investigating host-pathogen interactions, mechanisms of pathogenesis and disease resistance. All this information is used to develop novel strategies for preventing diseases in aquatic organisms. Her research team is actively working on the development of probiotics, bioremediators and antimicrobial compounds, which are specifically designed for use in aquaculture applications.

She has published extensively and numerous journal articles and has led and participated in major research projects. She has won awards for her research and teaching innovations, and developed significant industry and international collaborations. A mentor to many students and an active member of academic and professional communities, her work has had a broad impact on aquaculture and aquatic sciences.