



Food and Agriculture
Organization of the
United Nations



MISSISSIPPI STATE UNIVERSITY™
GLOBAL CENTER FOR AQUATIC
HEALTH AND FOOD SECURITY

Advancing Aquatic Health: Addressing Antimicrobial Resistance in Global Aquaculture

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8:00–11:30AM U.S. Central Time



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Dr. José Luiz Pedreira Mouriño is an Associate Professor at the Department of Aquaculture, Federal University of Santa Catarina (UFSC), Brazil. His research focuses on aquatic animal health, functional feeds, and microbial ecology in aquaculture systems. Over the past two decades, Dr. Mouriño has made significant contributions to understanding the interactions between nutrition, immunity, and disease resistance in fish and shrimp. His work emphasizes sustainable strategies to reduce antimicrobial use, including studies on bioremediation, probiotics, prebiotics, and phytogenic compounds. He coordinates collaborative projects with national and international partners, integrating innovation, biosecurity, and digital tools to enhance aquaculture productivity and environmental responsibility. Dr. Mouriño has supervised numerous graduate students, published more than 137 peer-reviewed publications and actively participated in scientific and industry forums promoting responsible aquaculture practices. Beyond academia, he provides technical and scientific consulting to tilapia and shrimp producers across Latin America, promoting responsible aquaculture, reducing antibiotic use, and fostering innovation for sustainable aquatic food systems.