



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. Inácio Mateus Assane is a lecturer at Zambeze University, Mozambique. His work focuses on fish health, antimicrobial resistance, and sustainable disease management in aquaculture. He has authored several peer-reviewed articles on the pathogenicity, virulence, and antimicrobial susceptibility of *Aeromonas*, *Streptococcus*, and *Flavobacterium* species affecting farmed fish. His studies also explore innovative therapeutic strategies, including combined antimicrobial therapies, bioactive peptides, and plant-derived essential oils, as well as pharmacokinetics and residue depletion of veterinary drugs in tropical aquaculture systems. Dr. Assane's research contributes to advancing aquatic health and food safety under the One Health framework, with particular attention to resource-limited contexts.