



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

November 17, 2025

8:00–11:30AM U.S. Central Time



**Fernando Y. Yamamoto, Assistant Research Professor, Delta Research and Extension Center, Mississippi State University ([fyy5@msstate.edu](mailto:fyy5@msstate.edu))**

Dr. Fernando Y. Yamamoto is an Assistant Research Professor at Mississippi State University's Delta Research and Extension Center, where he leads the Catfish Nutrition Laboratory at the Thad Cochran National Warmwater Aquaculture Center. His research focuses on advancing sustainable aquafeeds through the assessment of alternative ingredients, feed additives, feeding management, and strategies to enhance fish health and disease resistance. He is also engaged in product innovation and the valorization of underutilized food resources to reduce waste. Dr. Yamamoto's work integrates nutrition, physiology, and microbiome research to improve feed efficiency and environmental sustainability in aquaculture. He actively collaborates with academic, government, and industry partners. Beyond his research, Dr. Yamamoto is deeply committed to mentoring graduate students and strengthening the next generation of aquaculture scientists through innovative teaching, outreach, and international collaboration.