

Special Issue

Diet and Intestinal Microbiota of Fish

Message from the Guest Editors

This Special Issue, “Diet and Intestinal Microbiota of Fish”, will address gaps in current research by integrating studies on species-specific microbiota adaptations, dietary interventions (e.g., probiotics, prebiotics), and ecological interactions within aquatic environments. Topics may include, but are not limited to, the following:

- Dietary modulation of gut microbiota diversity and stability, such as the effects of fishmeal alternatives or carbohydrate utilization mediated by key taxa including *Cetobacterium*;
- Host-microbe metabolic cross-talk, including microbial contributions to lipid, carbohydrate, and amino acid metabolism;
- Impacts of environmental stressors on diet-microbiota-host interactions;
- Microbial biomarkers for health and disease, particularly in the context of antibiotic resistance and pathogen colonization;
- Innovative methodologies, such as metagenomics and machine learning, to decode microbial community dynamics and functional pathways.

Guest Editors

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Deadline for manuscript submissions

closed (20 November 2025)



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About the Journal

Message from the Editor-in-Chief

Fishes is a multidisciplinary open access journal focusing on reports of original research and critical reviews and synthesis from the broad area of fishes and aquatic animals. The ultimate objective of *Fishes* is to facilitate the discovery of connections between research areas, advancing science and filling knowledge gaps, and providing solutions for all present and future issues encountered in the sector of fisheries and aquaculture. As Editor-in-Chief, I encourage you to consider *Fishes* for your scientific papers and would be pleased to welcome you as one of our authors.

Editor-in-Chief

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