

## Special Issue

# Fish Nutrition, Metabolism and Physiology

### Message from the Guest Editors

The global commercial production of fish from capture fisheries and aquaculture is a vital future food source for human consumption, due to its high nutritional value and health benefits compared to those of other animals.

However, to ensure production, these sectors have to tackle some future challenges, such as climate change and marine resource depletion. Fish nutrition is crucial to overcoming these challenges, as it can promote better growth and fish flesh quality, or can lead to stress in fish, affecting their physiology and metabolism.

Research on fish nutrition focuses on nutrient requirements and metabolism, but recent decades have seen increased attention on the use of omics technologies (transcriptomics, metatranscriptomics, and metagenomics) to understand how fish respond to nutrient, dietary, and environmental changes. Thus, this Special Issue invites researchers to submit studies that delve into fish nutrition, metabolism, and physiology. Additionally, we welcome submissions focusing on the application of omics approaches in these areas, all with the ultimate aim of advancing knowledge about the global productive chain involving fish species.

### Guest Editors

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### Deadline for manuscript submissions

closed (20 April 2025)



## International Journal of Molecular Sciences

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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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