

Special Issue

Recent Advances in Nutrition and Metabolic Regulation of Fish

Message from the Guest Editors

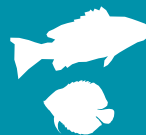
In recent years, significant progress has been made in understanding the nutritional requirements and metabolic regulation of fish, driven by the growing demand for sustainable aquaculture and high-quality aquatic products. Nutrition plays a pivotal role in fish growth, health, and metabolic efficiency, yet many aspects of nutrient utilization, metabolic pathways, and their interactions remain to be explored. Advances in feed formulation, functional additives, and alternative protein sources have opened new avenues for optimizing fish nutrition, but their impacts on metabolic homeostasis, energy homeostasis, and overall physiological performance require further investigation. This Special Issue aims to compile research (original articles and reviews) on the latest developments in fish nutrition and metabolic regulation. We encourage submissions that elucidate the mechanisms by which dietary components influence growth performance, metabolic processes, and health outcomes in fish. Studies focusing on innovative dietary strategies, metabolic biomarkers, metabolic pathways, and nutritional interventions to enhance aquaculture sustainability are particularly welcome.

Guest Editors

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Deadline for manuscript submissions

20 June 2026



Fishes

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Impact Factor 2.4
CiteScore 3.0



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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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