

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, metataxonomics, 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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