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Fish Nutrition and Physiology

Guest Editors:

Dr. Kangle Lu

Fisheries College, Jimei
University, Xiamen 361021, China

Dr. Hongyan Tian

College of Marine and
bioengineering, Yancheng
Institute of Technology, No.211
Jianjun East Rd., Yancheng,
Jiangsu, 224051, China

Dr. Songlin Li

College of Fisheries and Life
Science, Shanghai Ocean
University, Shanghai 201306,
China

Deadline for manuscript
submissions:

closed (20 December 2022)

Message from the Guest Editors

Fish account for 20% of the global population's animal protein intake. Specially, fish are unique and rich sources of omega-3 long-chain polyunsaturated fatty acids with beneficial impacts on human health. Scientists believe that fish farming will be a much more important food source in the future. High-quality feed is crucial for fish growth, health, and reproduction during farming. For a long time, the focus of traditional fish nutrition studies has been mainly on nutrient requirements, but in recent decades the interaction of nutrition and physiology has drawn a great deal of attention. The digestion, absorption, and metabolism of nutrients are associated with the physiological responses of fish. For instance, why high-carbohydrate feeds induce "diabetes" in fish, and whether fish meal can be totally replaced by plant protein are questions that remain to be answered. This Special Issue aims to collect studies (original research articles, perspectives, reviews, and mini-reviews) that focus on the physiology, biochemistry, and physiology of nutrition, and the interaction of nutrients and physiological responses



mdpi.com/si/93178

Special Issue



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Editor-in-Chief

Prof. Dr. Maria Angeles Esteban

Department of Cell Biology and Histology, Faculty of Biology, University of Murcia, 30100 Murcia, Spain

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.

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Fishes Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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