

Special Issue

Effects of Dietary Ingredients on Fish Nutrition and Health

Message from the Guest Editor

As aquaculture expands globally, developing sustainable, functional feeds is key to enhancing fish growth, health, and welfare while reducing environmental impacts. This Special Issue welcomes contributions on feed innovation, including alternative protein and lipid sources; functional additives such as prebiotics, probiotics, and phytochemicals; and micronutrients that improve immune function and stress resilience. These elements relate to critical nutritional factors like ingredient digestibility and nutrient bioavailability, essential for species-specific feed formulation. We particularly encourage studies exploring how dietary components influence gut microbiota, metabolism, and disease resistance, offering insights into the biological mechanisms that underpin fish health. By integrating advances in nutritional science, aquaculture technology, and health monitoring, this Special Issue aims to present evidence-based strategies for formulating balanced diets tailored to species' needs. This research is crucial for enhancing feed efficiency, reducing aquaculture's environmental footprint, and strengthening the resilience of farmed fish.

Guest Editor

Dr. Jorge Palma

Centro de Ciências do Mar do Algarve (CCMAR), Campus de Gambelas,
Universidade do Algarve, 8005-139 Faro, Portugal

Deadline for manuscript submissions

31 March 2026



Fishes

an Open Access Journal
by MDPI

Impact Factor 2.4
CiteScore 3.0



mdpi.com/si/249516

Fishes
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
fishes@mdpi.com

[mdpi.com/journal/
fishes](https://mdpi.com/journal/fishes)





Fishes

an Open Access Journal
by MDPI

Impact Factor 2.4
CiteScore 3.0



[mdpi.com/journal/
fishes](https://mdpi.com/journal/fishes)



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

Prof. Dr. Maria Angeles Esteban

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

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubAg, FSTA, and other databases.

Journal Rank:

JCR - Q1 (Marine and Freshwater Biology)