

Special Issue

Towards Sustainable Aquafeeds: Strategies and Mechanisms of Fish Meal and Oil Replacement

Message from the Guest Editor

This Special Issue, “Towards Sustainable Aquafeeds: Strategies and Mechanisms of Fish Meal and Oil Replacement,” aims to address the physiological and technical bottlenecks associated with novel ingredient utilization. We invite high-quality research exploring the following:

- Evaluation of emerging raw materials: Efficacy of insect meal, microbial biomass, and fermented plant ingredients.
- Nutritional strategies: Use of functional additives (e.g., enzymes, bile acids, and probiotics) to improve nutrient digestibility and mitigate anti-nutritional effects.
- Physiological responses: Impacts of alternative diets on gut health, immune function, and lipid metabolism.
- Flesh quality: How alternative ingredients affect the texture and nutritional value of the final product.

The goal of this Special Issue is to provide scientific evidence to maximize the inclusion rates of alternative ingredients without compromising fish health or quality.

Guest Editor

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Deadline for manuscript submissions

31 December 2026



Fishes

an Open Access Journal
by MDPI

Impact Factor 2.4
CiteScore 3.0



mdpi.com/si/263118

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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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