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Advances in Alternative Feeds for Aquaculture

Guest Editor:

Dr. Samad Rahimnejad

Faculty of Fisheries and
Protection of Waters, University
of South Bohemia, České
Budějovice, Czech Republic

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Message from the Guest Editor

The main objective of aquaculture nutrition is the production of aquafeeds which support the optimal growth of aquatics while sustaining health and quality, leading to the production of safe and healthy products at a low cost. Reliance on marine-origin commodities such as fish meal and fish oil has been recognized as a main constraint to sustainability of the aquaculture industry. In recent decades, significant achievements have been achieved in identifying alternatives to traditional marine-origin resources.

The main goal of this Special Issue is to collect researches aiming at introduction of novel alternative feed ingredients and techniques/technologies for improving the utilization of feedstuffs for the sustainable production of environmentally friendly and cost-effective aquafeeds.

The topics of interest include but are not limited to substitutes for fish meal and fish oil, application of bio-active compounds in low-fish meal diets, immune boosting supplements, processed feedstuffs, single-cell proteins, strategies for reduction/removal of antinutritional factors content of plant feedstuffs, and correlation between alternative feedstuffs and gut microbiota.



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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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Rapid Publication: manuscripts are peer-reviewed and a first decision is provided to authors approximately 20.9 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2025).

Contact Us

Fishes Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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