

Special Issue

Sustainable Feed Ingredients in Freshwater Aquaculture

Message from the Guest Editors

The cost of aquafeeds represents about 50–70% of the total production cost in intensive and semi-intensive freshwater aquaculture systems, and this has implications for the sustainable development of aquaculture. The decreasing proportion of fishmeal and fish oil in aquafeeds has coincided with an increase in the introduction of alternative protein meals and oils from a variety of sources, including plant, animal, microalgae, and insect sources. There is growing interest in incorporating agro-industrial by-products, agri-food wastes, or products from circular economic chains into aquafeeds. However, these new resources cause several adverse effects on the physiology and metabolism of fish. On the other hand, some benefits can be obtained if we consider, for example, the increased digestibility or the presence of several bioactive compounds in these new resources.

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Deadline for manuscript submissions

closed (31 May 2025)



Animals

an Open Access Journal
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Impact Factor 2.7
CiteScore 5.5
Indexed in PubMed



mdpi.com/si/177403

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Message from the Editor-in-Chief

Animals is an on-line open access journal that was first published in 2011. *Animals* adheres to rigorous peerreview and editorial processes and publishes only high quality manuscripts that address important issues in the many varied disciplines that involve animals, with a focus on animal science, animal welfare and animal ethics. *Animals* is covered in the Science Citation Index Expanded (SCIE) in Web of Science, with the latest Impact Factor: 2.7 (2024, ranks 15/86 (Q1) in 'Agriculture, Dairy & Animal Science'; 21/170 (Q1) in 'Veterinary Sciences'), 5-Year Impact Factor: 3.2.

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