

Special Issue

Fishmeal and Fish Oil Replacement in Aquaculture

Message from the Guest Editors

The global demand for marine and freshwater foods is increasing and it is predicted that aquaculture will supply the majority of aquatic dietary protein by 2050. Encompassing more than 500 species and a wide range of culture systems, aquaculture is one of the fastest-growing food production sectors and, thus, sustainability challenges must be addressed. The use of fishmeal and fish oil in aquafeeds is one of the main concerns, as their production relies on large amounts of wild-caught fish. Both products seem to have stabilized their production, 5 million and 1 million metric tons respectively, and a future increase is not expected. Considering that, more than 70% of fishmeal and fish oil are consumed by the aquaculture sector, research on replacement possibilities with other protein and lipid sources is necessary. Original manuscripts that address any aspects of alternative sources to fish meal and oil in aquaculture feeding are invited for this Special Issue. In particular, aspects such as optimal inclusion levels in diets, digestibility, effects on animal survival, growth and health, and impact on product quality.

Guest Editors

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Deadline for manuscript submissions

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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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