

## Special Issue

# Advances in Functional Diets and Culture Conditions in Fish: Applications in Aquaculture

### Message from the Guest Editors

Aquaculture is the fastest-growing food-producing sector, but more than 50% of production costs are invested in feed. Smart production that includes functional feeds and the optimization of culture conditions is necessary for sustainable aquaculture. In this sense, there is increasing interest in testing prebiotics, probiotics, enzymes, and extracts or bioactive compounds derived from plants in fish feed. Additionally, the inclusion of agricultural industry waste, as ingredients for aquafeeds, contributes to a circular economy. This Special Issue aims to address the applications in aquaculture of advances in both functional diets and in fish culture conditions. Key approaches may include new functional feed additives, the inclusion of vegetal bioactive extract or value-added industrial waste in diets, and fish farming conditions like feeding strategies or fish sustained swimming. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following: aquafeeds, additives, dietary alternative ingredients, feed and feeding management, and welfare management. We look forward to receiving your contributions.

### Guest Editors

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### Deadline for manuscript submissions

closed (15 June 2025)



## Animals

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## About the Journal

### 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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### Editor-in-Chief

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