



fishes

an Open Access Journal by MDPI



Dietary Protease in Aquaculture: A Sustainable Solution

Guest Editors:

Dr. Albert G. J. Tacon

Aquatic Farms Ltd., 49-139
Kamehameha Hwy, Kaneohe, HI
96744, USA

Dr. Kabir Chowdhury

Jefo Nutrition Inc., Saint-
Hyacinthe, QC J2S 7B6, Canada

Deadline for manuscript
submissions:

closed (25 June 2022)

Message from the Guest Editors

The use of dietary enzymes in aquaculture is on the rise due to the volatility of supply and price of feed ingredients, environmental concerns, and the shift towards closed farming systems. The leading dietary enzymes in aquafeed is phytase followed by protease and carbohydrases. The use of dietary protease in aquafeed is particularly important as proteins are the major cost component of any aquafeed. They are gaining importance worldwide as an important tool to optimize formulation costs. Besides cost-optimization and wastes management, specific proteases also play a role in immune systems and modulate the gut microbiota of the cultured animals.

The special issue will deal with types and composition of commercially available dietary protease, their substrate preference, issues in the application, and effects on growth, nutrient digestibility, immunity, gut morphology, disease resistance, and gut microbiota of farmed aquatic animals and on nutritional wastes management.



mdpi.com/si/96019

Special Issue



fishes



an Open Access Journal by MDPI

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.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubAg](#), [FSTA](#), and [other databases](#).

Journal Rank: JCR - Q1 (Marine and Freshwater Biology)

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
www.mdpi.com

mdpi.com/journal/fishes
fishes@mdpi.com
[X@Fishes_MDPI](#)