

Special Issue

State of the Art in Fish Nutrition: Antimicrobials, Immunostimulants, Synbiotics and Alternative Protein Sources

Message from the Guest Editor

The rapidly growing aquaculture industry is facing multiple challenges, such as disease outbreaks, antibiotic resistance, and concerns about environmental sustainability. The use of natural antimicrobial agents, such as plant extracts, insect derivatives, and microbial metabolites, shows promising solutions for combating pathogens while reducing the risk of antibiotic resistance.

This Special Issue aims to explore the latest advancements and developments in aquaculture nutrition that promote fish health and farm productivity. The collection of research articles, reviews, and case studies in this Special Issue covers a wide range of topics, including the efficacy and mechanisms of various antimicrobials, immunostimulants, synbiotics, and alternative protein sources in the formulation of feeds, as well as the investigation of their effects on the physiological performance of various aquaculture species. This literature integrates the most effective methods that offer a more sustainable and better solution for the future of our aquaculture industry.

Guest Editor

Dr. Jiun-Yan Loh

Tropical Futures Institute, James Cook University (Singapore Campus),
Sims Drive 387380, Singapore

Deadline for manuscript submissions

30 June 2026



Biology

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 7.3
Indexed in PubMed



mdpi.com/si/230426

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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A major strength of biological science is the diversity of approaches that biological scientists apply to their research problems. *Biology* reflects this diversity and brings together studies employing the varied experimental and theoretical approaches that are fueling biological discovery. *Biology*, the journal, is a fully peer-reviewed publication with a rapid and economical route to open access publication and is listed on PubMed. All articles are peer-reviewed and the editorial focus is on determining that the work is scientifically sound rather than trying to predict its future impact.

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Research Programme in Molecular and Integrative Biosciences, Faculty of Biological and Environmental Sciences, University of Helsinki, P.O. Box 56, FI-00014 Helsinki, Finland

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