

Special Issue

Omics Technologies Applied to Aquaculture Research

Message from the Guest Editor

The reduction in the cost of omics technologies in recent years has accommodated valuable and important advances in other areas of knowledge. Aquaculture, as an economically relevant industry, has taken advantage of these technologies to improve our understanding of various aspects in the field, such as nutrition, growth, disease resistance, and reproduction. As a consequence, research in aquaculture is experiencing a revolution in a variety of areas. These omics tools comprise different approaches related to genomics, epigenetics, transcriptomics, proteomics, and metabolomics, but also aim to elucidate the composition of microbiota through different metagenomic and metatranscriptomic strategies. Considering the success of the earlier Special Issue, “Transcriptome and Genome Analyses Applied to Aquaculture Research”, we are pleased to launch a second edition entitled “Omics Technologies Applied to Aquaculture Research”. The first edition of this Special Issue mainly focuses on genome and transcriptome analyses, but we would like to expand the topic of the new edition to all omics technologies. Original papers and reviews will be considered for publication.

Guest Editor

Dr. Patricia Pereiro

Immunology and Genomics Group, Institute of Marine Research,
Eduardo Cabello 6, 36208 Vigo, Spain

Deadline for manuscript submissions

closed (1 February 2023)



Biology

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 7.4
Indexed in PubMed



mdpi.com/si/125278

Biology
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
biology@mdpi.com

[mdpi.com/journal/
biology](https://mdpi.com/journal/biology)





Biology

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 7.4
Indexed in PubMed



[mdpi.com/journal/
biology](https://mdpi.com/journal/biology)



About the Journal

Message from the Editorial Board

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.

Editors-in-Chief

Prof. Dr. Jukka Finne

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

Prof. Dr. Andrés Moya

Integrative Systems Biology Institute, University of Valencia and CSIC, 46980 Valencia, Spain

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, PubAg, CAPus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Biology) / CiteScore - Q1 (General Agricultural and Biological Sciences)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.4 days after submission; acceptance to publication is undertaken in 2.5 days (median values for papers published in this journal in the first half of 2025).