Special Issue

Omics in Fish Aquaculture and Fisheries

Message from the Guest Editors

Omics is a term covering modern technologies like genomics, proteomics, transcriptomics and metabolomics. Such techniques are receiving increased recognition due to their high potential to unravel novel mechanisms in biological science. NGS led in the revolution of genomics. Proteomics and transcriptomics technology provides a powerful set of tools for functional genomics studies. Metabolomics allows the measurement of low molecular weight endogenous metabolites and provides an overview of the metabolic status of a biological system. Data generated from omics can be linked together through bioinformatic analyses to generate an overall approach to events occurring within a given organism. Omics technology is being already used in the fisheries and aquaculture sector for unraveling the mechanisms of growth, disease and stress tolerance, selection of disease-resistant varieties, fish disease diagnosis, vaccine development, population structure, species identification for fish food authentication, post-harvest value addition, etc.

Guest Editors

Dr. Konstantinos Gkagkavouzis
Dr. Styliani Minoudi
Prof. Dr. Alberto Pallavicini

Deadline for manuscript submissions

closed (30 June 2023)

Fishes

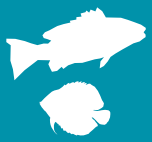
an Open Access Journal by MDPI

Impact Factor 2.4
CiteScore 3.0

mdpi.com/si/130367

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

mdpi.com/journal/fishes



Fishes

an Open Access Journal by MDPI

Impact Factor 2.4
CiteScore 3.0

mdpi.com/journal/fishes

About the Journal

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.

Editor-in-Chief

Prof. Dr. Maria Angeles Esteban
Department of Cell Biology and Histology, Faculty of Biology, University of Murcia, 30100 Murcia, Spain

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)