



fishes



an Open Access Journal by MDPI

Omics Analysis in Marine Invertebrate Biology

Guest Editors:

Prof. Dr. Eric Hallerman

Department of Fish and Wildlife
Conservation, Virginia
Polytechnic Institute and State
University, 100 Cheatham Hall,
Blacksburg, VA 24061, USA

**Prof. Dr. Supawadee
Poompuang**

Department of Aquaculture,
Faculty of Fisheries, Kasetsart
University, Chatuchak, Bangkok
10900, Thailand

Deadline for manuscript
submissions:

closed (16 October 2023)

Message from the Guest Editors

Dear Colleagues,

The application of genomics, transcriptomics, proteomics, and metabolomics—or omics analyses—across diverse fields has increased rapidly in recent decades. These technologies are increasingly applied to non-model organisms, such as marine invertebrates, to understand molecular mechanisms behind observed phenotypes. The knowledge gained from these studies depends upon rigorous attention to quality across the stages of experimental planning, execution, sample preparation, analysis, and interpretation. We solicit papers that apply omics techniques to expand our knowledge of life history, adaptations, phenotypic plasticity, and projected responses to climate change across diverse marine invertebrate tax. We are especially interested in studies that integrate across biological hierarchy and/or convey the potential and weaknesses of the omics technique applied through careful data analysis and interpretation.

Prof. Dr. Eric Hallerman

Prof. Dr. Supawadee Poompuang

Guest Editors



mdpi.com/si/151834

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 - Q2 (*Marine & Freshwater Biology*)

Contact Us

Fishes Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

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