

Special Issue

Sustainable Bivalve Mollusks Aquaculture

Message from the Guest Editor

Global human population growth is driving a rising demand for high-quality protein, which has in turn stimulated an explosive expansion of aquaculture, especially of mollusks, with bivalves as a major focus. To better understand how organisms respond to environmental stress, physiological and cellular investigations using diverse molluscan species—particularly economically important species—are essential. This Special Issue highlights the physiological and molecular responses of mollusks, especially bivalves, to biotic and abiotic stressors. We welcome submissions in the form of original research articles, reviews, and mini-reviews. Potential topics include (but are not limited to) the following: (1) physiological changes and adaptive processes under stress and habitat change; (2) surveys of geographic population genetic resources; (3) metabolic adaptation under environmental stress; (4) omics analyses of mollusks; (5) molluscan diseases and aquaculture case studies; (6) responses and adaptations to climate change; (7) effects of stress on reproduction; (8) impacts of ecological change and pollution on mollusk aquaculture health.

Guest Editor

Dr. Maoxiao Peng

The Algarve Centre of Marine Sciences (CCMAR), University of Algarve,
8005-139 Faro, Portugal

Deadline for manuscript submissions

17 June 2026



Fishes

an Open Access Journal
by MDPI

Impact Factor 2.4
CiteScore 3.0



mdpi.com/si/265511

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

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





Fishes

an Open Access Journal
by MDPI

Impact Factor 2.4
CiteScore 3.0



[mdpi.com/journal/
fishes](https://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), GEOBASE, PubAg, FSTA, and other databases.

Journal Rank:

JCR - Q1 (Marine and Freshwater Biology)