

## Special Issue

# Advances in Fish Genome and Transcriptomes

### Message from the Guest Editor

With the rapid development of next-generation sequencing technologies and bioinformatics, many high-quality fish genomes have been sequenced. This genomic work provides abundant genetic resources for a deep understanding of divergence, evolution and adaptation in the fish genomes. The transcriptome is a powerful tool that provides a better understanding of the molecular mechanisms underlying adaptation to extreme conditions such as temperature, pH, and more. It also aids in comprehending processes like sex determination, environmental adaptation, defense mechanisms, molecular breeding, nutrition regulation, and more. This tool is particularly beneficial for studying non-sequenced genome fish. I am pleased to invite you to contribute to this Special Issue on “Advances in Fish Genome and Transcriptomes” in the *Fishes* journal to enhance basic fish research and contribute to efforts aimed at conserving fish biodiversity and promoting the sustainable utilization of natural fish resources.

---

### Guest Editor

Prof. Dr. Qiuning Liu  
School of Wetlands, Yancheng Teachers University, Yancheng 224007, China

---

### Deadline for manuscript submissions

closed (31 August 2024)



## Fishes

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.4  
CiteScore 3.0



[mdpi.com/si/194524](https://mdpi.com/si/194524)

*Fishes*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[fishes@mdpi.com](mailto: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)