

## Current Research on the Anatomy, Immunology, and Evolution of Aquatic Animals

Guest Editors:

**Dr. Eugenia Rita Lauriano**

Department of Chemical,  
Biological, Pharmaceutical and  
Environmental Sciences –  
ChiBioFarAm, University of  
Messina, 98166 Messina, Italy

**Prof. Dr. Simona Pergolizzi**

Department of Chemical,  
Biological, Pharmaceutical and  
Environmental Sciences  
(ChiBioFarAm), University of  
Messina, 98166 Messina, Italy

**Dr. Alessio Alesci**

Department of Chemical,  
Biological, Pharmaceutical, and  
Environmental Sciences,  
University of Messina, 98166  
Messina, Italy

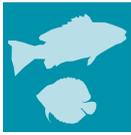
### Message from the Guest Editors

Dear Colleagues,

In recent years, immunology is increasingly assuming a central role in basic research. In particular, the anatomical, morphological, and evolutionary study of nonspecific, specific, and tissue defense systems could be helpful in understanding the immune mechanisms of aquatic organisms. Furthermore, through the development of molecular biology, immunohistochemistry, and genomics techniques, it may be possible to create vaccines and biosensors, and identify biomarkers for monitoring the health status of aquatic species. In this regard, this Special Issue aims to highlight a correlation between anatomy, immunology, and evolution to improve the state of the art and deepen knowledge of aquatic animal biology.

Deadline for manuscript  
submissions:  
**closed (10 December 2023)**





# *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](http://www.mdpi.com)

[mdpi.com/journal/fishes](http://mdpi.com/journal/fishes)  
[fishes@mdpi.com](mailto:fishes@mdpi.com)  
[X@Fishes\\_MDPI](#)