

## Special Issue

# Environmental Physiology of Aquatic Animals

### Message from the Guest Editor

The survival and reproduction of aquatic animals are closely tied to the water environment in which they live. Factors such as the water temperature, salinity, dissolved oxygen, and pH value play a crucial role in determining the wellbeing of aquatic animals. Studying the environmental physiology of aquatic animals can assist farmers in optimizing breeding conditions, enhancing efficiency, and reducing costs, ultimately promoting sustainable development in the aquaculture industry. Understanding the environmental physiological characteristics of aquatic animals is essential for comprehending their responses to environmental changes and predicting population dynamics. This Special Issue aims to highlight research on the physiological strategies of aquatic animals in adapting to various environmental conditions, along with the impacts of environmental factors on their growth, reproduction, behavior, and other physiological processes. Our findings will enhance the scientific basis for enhancing farming practices, as well as safeguarding and managing aquatic animal resources.

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### Guest Editor

Dr. Weijie Mu

Fish Physiology and Resource Utilization Laboratory, College of Life Science and Technology, Harbin Normal University, Harbin 150025, China

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### Deadline for manuscript submissions

closed (20 December 2025)



## Fishes

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CiteScore 3.0



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## 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.

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### Editor-in-Chief

Prof. Dr. Maria Angeles Esteban

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