

## Special Issue

# Advances in the Physiology of Aquatic Organisms

### Message from the Guest Editor

Aquatic organisms (fish, crustaceans, mollusks, among others) possess complex and highly specialized physiological mechanisms, fundamental to ensuring their survival in the aquatic environment. These mechanisms allow them to maintain homeostasis, cope with environmental variations, and perform vital functions such as respiration, osmoregulation, nutrition, locomotion, and stress response. The physiology of aquatic organisms has advanced significantly in recent decades due to the need for a better understanding of how these animals respond to environmental changes and captive management, among other factors. Therefore, we invite researchers to submit papers that address topics related to the physiology of aquatic organisms, contributing significantly to the expansion of knowledge regarding the production chains of these animals in a global context.

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### Guest Editor

Dr. Gisele Cristina Favero

Laboratório de Aquacultura, Departamento de Zootecnia, Universidade Federal de Minas Gerais, Belo Horizonte CEP 30161-970, Brazil

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### Deadline for manuscript submissions

31 July 2026



## Fishes

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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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