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Shellfish Genetics and Breeding for Aquaculture

Guest Editors:

Prof. Dr. Zhihua Lin

College of Biological
Environmental Sciences,
Zhejiang Wanli University,
Ningbo 315100, China

Prof. Dr. Yongbo Bao

Zhejiang Key Laboratory of
Aquatic Germplasm Resources,
College of Biological and
Environmental Sciences,
Zhejiang Wanli University,
Ningbo 315100, China

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Message from the Guest Editors

Shellfish are the second largest group of animals in the world and play a vital role in global aquaculture, significantly contributing to food security and the economy. As global demand for sustainable seafood continues to rise, advancing our understanding of shellfish genetics and breeding is crucial for improving production efficiency and enhancing resilience.

This Special Issue aims to consolidate the latest research on shellfish genetics and breeding, offering new insights and innovative approaches to support sustainable aquaculture. We encourage submissions of original research, comprehensive reviews, and perspectives on various topics, including, but not limited to, the following:

- Genetic improvement and selection strategies for shellfish species;
- Advances in molecular tools and techniques for shellfish breeding;
- Understanding the genetic basis of disease resistance and environmental adaptation in shellfish;
- The role of genomics in enhancing shellfish breeding programs;
- Sustainable breeding practices that address climate change impacts.

We look forward to receiving your contributions to this critical and rapidly evolving field.



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Special Issue



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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.

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Rapid Publication: manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.2 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2024).

Contact Us

Fishes Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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