

## Special Issue

# Shellfish Genetics and Breeding for Aquaculture

### 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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### Guest Editors

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### Deadline for manuscript submissions

closed (31 July 2025)



## 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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