

## Special Issue

# Genetic Breeding and Immunity of Aquatic Animals

### Message from the Guest Editors

Aquaculture—the farming of aquatic organisms—plays a critical role in global food security, economic development, and environmental sustainability. As the aquaculture industry continues to expand, it faces pressing challenges, including disease outbreaks, environmental stress, and the need for enhanced productivity. In this context, the fields of genetic breeding and immunology have become increasingly vital. Genetic breeding enables the development of improved aquatic animal strains with superior growth performance, disease resistance, and adaptability to changing environments. Research in immunology deepens our understanding of aquatic immune systems, contributing to breeding for disease resistance, enabling the creation of more effective disease prevention and control strategies. Together, these disciplines are fundamental to ensuring the long-term sustainability and resilience of aquaculture.

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### Guest Editors

Dr. Zhe Zheng

Dr. Xiaohui Cai

Dr. Ruijuan Hao

Dr. Jin-lian Liang

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### Deadline for manuscript submissions

25 February 2026



## Fishes

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*Fishes*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[fishes@mdpi.com](mailto:fishes@mdpi.com)

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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

Department of Cell Biology and Histology, Faculty of Biology, University of Murcia, 30100 Murcia, Spain

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