

Special Issue

Advances in the Immunology of Aquatic Animals

Message from the Guest Editors

Aquaculture plays an increasingly central role in global food security, sustainable development, and ecosystem services. Ensuring the health of aquatic animals is therefore not only a biological necessity but a strategic priority for the long-term viability of aquaculture systems under increasing pressure from disease, environmental stressors, and climate change. This Special Issue seeks to gather cutting-edge research and comprehensive reviews that advance our understanding of the immune systems of fish and shellfish, while also addressing the broader environmental, technological, and socio-economic contexts in which aquaculture operates. We particularly welcome contributions that bridge fundamental immunological science with practical applications in vaccine development, disease surveillance, and sustainable aquaculture management. Contributions that integrate interdisciplinary approaches—such as omics technologies, ecological immunology, and One Health frameworks—are strongly encouraged.

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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.

Editor-in-Chief

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