

Special Issue

Interactions Between Fish and Pathogens in Aquaculture

Message from the Guest Editors

Fish is an important food for humans, providing essential nutrients and playing a key role in global food security. Infectious diseases caused by bacteria, viruses, and parasites are a major problem in aquaculture, threatening the stability between animal health and welfare, food quality, and the sustainability of the industry. In modern intensive aquaculture, the maintenance of large numbers of fish in a small area provides a relatively unnatural and stressful environment conducive to the outbreaks of infectious diseases. Therefore, understanding the innate and adaptive immune responses of fish to various pathogens is important for developing therapeutic and preventive measures to eradicate or mitigate pathogen proliferation. This Special Issue aims to publish contributions on fish–pathogen interactions, particularly the innate and adaptive immune response to important pathogens, and to develop novel and effective strategies to protect fish health from severe infectious diseases.

Guest Editors

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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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