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Advances in Aquatic Diseases and Immunity in Aquaculture

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Deadline for manuscript
submissions:

closed (15 December 2024)

Message from the Guest Editors

Dear Colleagues,

Aquatic diseases have always restricted the sustainable development of the aquaculture industry. In recent years, they have caused increasing harm to aquatic animals, and there have been 20% losses in aquaculture production. These diseases, including bacteria, virus, parasites, and nutritive diseases, are difficult to control, and thus, comprehensive studies on the host's immune characteristics, particularly causal immune factors for disease occurrence, play a crucial role in developing therapeutic and preventive measures. This Special Issue aims to collect original research articles, perspectives, and reviews on advances in aquatic diseases and immunity in aquaculture, especially host immune signals, pathogen virulence, and interactions between the host and pathogen.

Dr. Defeng Zhang
Dr. Dongling Zhang
Guest Editors



mdpi.com/si/174048

Special Issue



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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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Journal Rank: JCR - Q1 (Marine and Freshwater Biology)

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