Special Issue

Microorganisms and Diseases Associated with Aquatic Animals 2.0

Message from the Guest Editor

Aquaculture is an alternative to the depletion of fisheries resources and to the increase of global food demand. However, due to husbandry practices, one of the main constraints in aquaculture production are the infectious diseases. Thus, infectious diseases caused by bacteria, virus, parasites, and fungus, are the major cause of mortality and economic losses in commercial aquaculture. Therefore, it is essential to comprehend the whole process of a disease outbreak, a complex network of interactions between host, pathogen and environment. Increasing knowledge on the infectious process will help to find strategies for the prevention and control of diseases. This Special Issue aims to provide a collection of articles with the recent insights on aquaculture infectious diseases research, including diseases impact and control. Original research, reviews and short communications dealing with outbreaks, microorganism-host interactions, microbial pathogenic and virulence processes, treatment and prevention approaches, techniques for rapid detection of the pathogen and development of diagnosis methods, are welcome.

Guest Editor

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Deadline for manuscript submissions

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About the Journal

Message from the Editor-in-Chief

"Microorganism" merges the idea of the very small with the idea of the evolving reproducing organism is a unifying principle for the discipline of microbiology. Our journal recognizes the broadly diverse yet connected nature of microorganisms and provides an advanced publishing forum for original articles from scientists involved in high-quality basic and applied research on any prokaryotic or eukaryotic microorganism, and for research on the ecology, genomics and evolution of microbial communities as well as that exploring cultured microorganisms in the laboratory.

Editor-in-Chief

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.2 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the first half of 2025).

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