Special Issue

Identification, Detection, Pathological Characterization of Aquatic Animal Pathogens

Message from the Guest Editors

Aquatic animal pathogens are a major concern in the aquaculture industry as they cause tremendous economic losses. The identification and characterization of aquatic pathogens are very crucial first steps for disease control and prevention, but many emerging microbes with pathogenic potential are still not fully understood. In recent years, many modern analytical techniques for the detection and characterization of microbes have been remarkably advanced. Hence, we are in the middle of an era in which previously well-known pathogens are being re-identified and re-characterized, providing a better understanding of the disease as well as new perspectives. This Special Issue aims to collect high-quality manuscripts (research articles, case reports, short communication, and reviews) relevant not only to the identification and characterization of aquatic animal pathogens, but also new detection methods and the understanding of host–pathogen interactions. Studies using modern technologies and bioinformatics are warmly welcome, but the scope is not strictly limited to these. We look forward to your important contributions.

Guest Editors

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Deadline for manuscript submissions

closed (25 November 2023)

Microorganisms

an Open Access Journal by MDPI

Impact Factor 4.2
CiteScore 7.7
Indexed in PubMed

mdpi.com/si/145514

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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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