Special Issue

Omics Strategies Applied in Diagnosis of Aquatic Animals Infectious Diseases

Message from the Guest Editors

Fish disease diagnostics are constantly and rapidly evolving. New pathogens are continually being discovered, and our understanding of historically known etiological agents is growing. This is due in particular to the use of increasingly sophisticated diagnostic techniques, allowing us to obtain results that provide more information compared with the previously used methods. Our Special Issue aims to focus on the application of omics techniques in the diagnosis and study of the pathogens of aquatic organisms. Articles for submission should concern the application of these methods for the identification, characterization and control of viruses, bacteria, fungi and parasites that can affect wild and/or farmed fish, molluscs and crustaceans. Studies regarding the comparison of omics techniques with traditional assays will also be taken into consideration, in order to highlight the limits and potential of the various diagnostic methods.

- bacterial diseases
- viral diseases
- parasitic diseases
- fish diseases
- shellfish diseases
- molecular biology techniques
- comparison of traditional vs. innovative methods
- proteomics
- biomolecular identification
- phylogenetic analysis
- genomics

Guest Editors

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Deadline for manuscript submissions

closed (31 March 2023)

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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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Author Benefits

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indexed within Scopus, SCIE (Web of Science), PubMed, PMC, PubAg, CAPlus / SciFinder, AGRIS, and other databases.

Journal Rank:

JCR - Q2 (Microbiology) / CiteScore - Q1 (Microbiology (medical))

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 20 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the second half of 2025).

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