



fishes



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Detection and Monitoring of Aquatic Pathogens by Using Environmental DNA (eDNA)

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Deadline for manuscript
submissions:

31 October 2024

Message from the Guest Editors

The journal *Fishes* is preparing a Special Issue entitled “Detection and monitoring of aquatic pathogens using environmental DNA”. Environmental DNA (eDNA) is an exciting tool for rapid biodiversity surveys and conservation and management strategies, allowing rapid targeted or multispecies detection by using DNA derived from an environmental sample in combination with high-throughput sequencing technologies. Importantly, eDNA-based biodiversity monitoring provides a non-destructive and non-invasive way to sample DNA from aquatic organisms, making it a more ethical tool for biodiversity monitoring. Increasingly, bacterial, fungal, and animal communities from diverse aquatic environments are being efficiently sampled using eDNA, allowing early detection of pathogen introduction and emergence. This special issue seeks to gather together studies that aim to develop eDNA assays to improve the detection and monitoring of all aquatic pathogens (including bacteria, viruses, and fungi) and parasites for biodiversity assessments, invasion biology studies, fisheries management and/or conservation strategies.



mdpi.com/si/201042

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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Rapid Publication: manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.2 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2024).

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