Special Issue

Advances in Aquaculture and Microorganisms

Message from the Guest Editors

This Special Issue invites original research articles, reviews, and case studies that explore the roles of microorganisms in aquaculture. Topics may include microbial dynamics in Biofloc Technology Systems (BFT), Recirculating Aquaculture Systems (RAS), integrated multitrophic aquaculture (IMTA), and synbiotic systems or probiotic-based systems. Contributions that address microbial interactions, disease control, water quality improvement, bioremediation, biofilm development, and innovations in microbiome engineering are especially welcome.

The goal is to provide a comprehensive overview of how microorganisms can be harnessed to optimize aquatic animal health, improve water quality and production efficiency, reduce environmental impacts, and support circular bioeconomy principles in aquaculture. This Special Issue aims to serve as a valuable resource for researchers, industry professionals, and policymakers interested in the microbial foundations of sustainable aquaculture.

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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.

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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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