Special Issue

Probiotic Applications in Aquaculture

Message from the Guest Editors

The rising demand for sustainable aquaculture practices has highlighted the need for innovative and environmentally friendly solutions to enhance aquatic health, productivity, and resilience. One such promising approach is the application of probiotics in aquaculture. This Special Issue focuses on the diverse applications of probiotics in aquaculture, while addressing the critical challenges and opportunities for sustainable development in this sector. It brings together cuttingedge research and reviews that explore the mechanisms by which probiotics exert their beneficial effects on aquaculture animals. Topics covered include the role of probiotics in modulating the gut microbiota, enhancing nutrient absorption, improving stress tolerance, and reducing reliance on antibiotics and chemicals. This Special Issue aims to provide a comprehensive overview of the current state and future prospects of probiotic use in aquaculture. The ultimate goal is to promote the development of more sustainable and eco-friendly aquaculture practices, in line with global efforts to reduce environmental impacts and improve food security. We look forward to receiving your contributions.

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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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