



Beneficial Microorganisms in Aquaculture

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Message from the Guest Editors

This Special Issue seeks to uncover the role of microorganisms in the maintenance of health and welfare of cultured aquatic species. Studies on new species in aquaculture and novel rearing technologies are particularly welcome. Research expanding the knowledge on the composition of microbial communities in cultured species, as well as the intervention studies (application of specific microorganisms to improve the performance of the organism), will be considered. The beneficial role of microbiota can pertain to improvements in feed utilization, the control of infections, improvements in aquaculture sustainability, etc. We also invite researchers to submit their results on microbiota comparisons in organisms at different growth stages and domestication levels, reared in various environments (e.g., pond vs. indoor), etc., with an emphasis on the balance between beneficial and pathogenic microorganisms. We accept both *in vitro/ex vivo* and *in vivo* studies relevant to the topic which yield innovative and applicative results. Interpretations of the data should be based on thorough statistical analysis. Bioinformatics and machine learning methods will be highly appreciated.



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Special Issue



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Editor-in-Chief

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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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