



Microbial Communities in Changing Aquatic Environments

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Message from the Guest Editors

Dear Colleagues,

The growth of microorganisms is strongly influenced by the environments in which they are found, and they have a great ability to adapt to changing conditions. The most important factors affecting the growth of microorganisms are pH, temperature, salinity, oxygen concentration, nutrient availability, organic matter, light, and pressure. Understanding which environmental conditions have a dominant influence on the survival and growth of microorganisms is one of the main tasks of environmental microbiology. Increased air temperatures, the frequent occurrence of extreme precipitation, drought, turbidity, and the salinization of drinking water sources, are all factors that determine both the microbial relationships in the aquatic environment and the diversity of microbial communities.

We kindly invite you to use your knowledge, experience and findings to help contribute to the control and adaptation of these aforementioned risks to human health.

Keywords: environmental factors; aquatic environment; climate changes; water supply system; microorganisms; opportunistic pathogen; antimicrobials; microplastics





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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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