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Ecology, Diversity and Distribution of Pico-Sized Algae

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Deadline for manuscript submissions:
closed (31 January 2022)

Message from the Guest Editors

Pico-sized algae are the main components of primary producers in oceans and oligotrophic lakes, but they could be also abundant in other continental habitats; therefore, they are key members of aquatic food webs. This diverse group constitutes both small cyanobacteria and eukaryotic algae. Several environmental factors could affect the abundance and distribution of individual taxa, and the introduction of high-throughput techniques has resulted in new discoveries in recent decades.

This Special Issue will publish papers on the following topics (not exclusively): (1) the role and distribution of photoautotrophic picoplankton in lakes and in oceans; (2) the effect of climate change on picophytoplankton communities; (3) biological interactions of pico-sized algae with viruses, bacteria, protists, fungi and higher organisms; (4) the unexplored diversity of pico-sized algae in extreme environments; (5) new methods for studying picophytoplankton communities; and (6) physiological and ecological features of pico-sized cyanobacteria and eukaryotic algae.

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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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