

# Special Issue

## Phytoplankton Faced with Emergent Pollutants

### Message from the Guest Editors

Freshwater and marine environments are increasingly disturbed by the intensification of chemical products released by sewage treatment plants, which may pose serious health and ecological problems worldwide. Among these are "emergent" pollutants including PFASs; PPCPs; and nanoplastics for which research has been inconsistent and scarce especially on the first link of the food web—phytoplankton. Other threatening pollutants, i.e., radionuclides, may also be included, as few investigations have been conducted on their global distribution at the base of the food web.

Indeed, photosynthetic organisms (including cyanobacteria and microalgae) play a key role in the recycling of nutrients and pollutants, and are capable of various biological processes such as bioaccumulation, biotransformation, or bioremediation.

However, the extent to which these pollutants affect phytoplankton is not clear and needs further combined investigations.

Consequently, this Special Issue is open, but not limited, to recent advances in the detection and characterization of chemical pollutants and their various effects on phytoplankton species, from the molecular level to the community and ecological levels.

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### Deadline for manuscript submissions

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"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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### Editor-in-Chief

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