Special Issue

Impact of Physical and Biological Structuring of Freshwaters on Development of Cyanobacterial Blooms

Message from the Guest Editor

Proliferation of noxious phytoplankton blooms in warmer, more stratified and eutrophic conditions is of concern in warm and cold climates, as well as in shallow and deep freshwaters globally. The bottom–up effects of temperature, stratification regime, light conditions, nutrient availability, and ratios control the phytoplanton community structure and often moderate phenology and severence of blooms. The general purpose of this Special Issue is to provide a venue for discussion on the importance of physical and biological interactions on performance of cyanobacteria that have the capacity to form noxious blooms. The focus should be, however, on detemining interactive mechanisms triggering/stimulating cyanobacterial blooms or catalyzing changes in their phenology rather than on single factor effects. Research aiming to reveal the stimulants and to account for consequences of surface cyanobacterial blooms on plankton communities in relation to carbon concentration and oxygen stratification will also be given full consideration.

Guest Editor

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Environmental issues are quickly becoming central political, economic and academic topics of the twenty-first century. A large number of modern challenges are directly or indirectly caused by complex interactions between environmental issues. Such issues require interdisciplinary research, knowledge and insights to understand and, ultimately, for solutions to be found. Through the journal Environments, we strive to create a platform for meaningful discourse by accepting contributions from a wide range of fields. We sincerely hope you will consider publishing your distinguished work in this highly-accessible, peer-reviewed journal.

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