



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

Guest Editor:

Dr. Maciej Bartosiewicz

Department of Environmental
Sciences, University of Basel,
Basel, Switzerland

Deadline for manuscript
submissions:

closed (28 February 2021)

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 phytoplankton 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.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Sergio Ulgiati

1. Department of Science and
Technology, Parthenope
University of Naples, Centro
Direzionale, Isola C4, 80143
Napoli, Italy
2. State Key Joint Laboratory of
Environment Simulation and
Pollution Control, School of
Environment, Beijing Normal
University, No. 19 Xijiekouwai
Street, Beijing 100875, China

Message from the Editor-in-Chief

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.

Author Benefits

Open Access: free for readers, with **article processing charges (APC)** paid by authors or their institutions.

High Visibility: indexed within **Scopus, ESCI (Web of Science), PubAg, AGRIS, GeoRef, and other databases.**

Journal Rank: JCR - Q2 (*Environmental Sciences*) / CiteScore - Q1 (Ecology, Evolution, Behavior and Systematics)

Contact Us

Environments Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/environments
environments@mdpi.com
✉@Environ_MDPI