



## 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:** CiteScore - Q1 (*Ecology, Evolution, Behavior and Systematics*)

## Contact Us

*Environments* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/environments](http://mdpi.com/journal/environments)  
[environments@mdpi.com](mailto:environments@mdpi.com)  
[X@Environ\\_MDPI](#)