



water

an Open Access Journal by MDPI



## Freshwater Communities in Human-Altered Ecosystems

Guest Editors:

### Dr. Martin Bláha

University of South Bohemia,  
Faculty of Fishery and Protection  
of Waters, Research Institute of  
Fish Culture and Hydrobiology,  
Zátiší 728/II, 38925 Vodňany,  
Czech Republic

### Dr. Kateřina Grabicová

Faculty of Fishery and Protection  
of Waters, Research Institute of  
Fish Culture and Hydrobiology,  
University of South Bohemia,  
Zátiší 728/II, 38925 Vodňany,  
Czech Republic

Deadline for manuscript  
submissions:

**closed (10 December 2021)**

### Message from the Guest Editors

Dear Colleagues,

Rapid human-induced environmental changes, such as warming, nutrient enrichment, habitat fragmentation, and pollution, pose threats to global biodiversity and the functioning of aquatic ecosystems. Macroinvertebrate communities are an important part of aquatic ecosystems, aquatic macroinvertebrates are frequently used for biomonitoring, being able to either respond quickly to deteriorated conditions and/or to bioaccumulate xenobiotics entering water recipients. Although changes could not mean the disappearance of particular species, their behaviour, physiology or life cycle could be altered, affecting the ecosystem's functioning. However, our knowledge about the ecological effects of the mentioned human-induced changes to aquatic ecosystem is very limited. Therefore, the topic of the current Special Issue is more complex, providing a platform to gather information about macroinvertebrate communities, taxonomic groups or single species and their responses to various stressors linked to human activities.

Dr. Martin Bláha

Dr. Kateřina Grabicová

*Guest Editors*



[mdpi.com/si/52511](https://mdpi.com/si/52511)

# Special Issue



*water*



an Open Access Journal by MDPI

## Editor-in-Chief

### Dr. Jean-Luc PROBST

ECOLAB, Centre National de la  
Recherche Scientifique (CNRS),  
University of Toulouse, campus  
ENSAT, Auzeville Tolosane,  
France

## Message from the Editor-in-Chief

In the context of global changes, the sustainable management of water cycles, going from global and regional water cycles to urban, industrial and agricultural water cycles, plays a very important role on the water resources and on their relationships with food, energy, biodiversity, ecosystem functioning and human health. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications and to propose special issues devoted to new technological and scientific domains and to interdisciplinary approaches of the water cycles. We ensure a critical review process and a quick turnaround between submission and final decision.

## Author Benefits

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

**High Visibility:** indexed within Scopus, SCIE (Web of Science), Ei Compendex, GEOBASE, GeoRef, PubAg, AGRIS, CAPlus / SciFinder, Inspec, and other databases.

**Journal Rank:** JCR - Q2 (*Water Resources*) / CiteScore - Q1 (*Water Science and Technology*)

## Contact Us

---

Water 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/water](http://mdpi.com/journal/water)  
[water@mdpi.com](mailto:water@mdpi.com)  
[X@Water\\_MDPI](https://twitter.com/Water_MDPI)