



*water*

an Open Access Journal by MDPI



## Advanced Biotechnologies for Water and Wastewater Treatment

Guest Editors:

**Prof. Dr. Yung-Tse Hung**

**Prof. Dr. Tsuyoshi Imai**

**Prof. Dr. Rehab O. Abdel  
Rahman**

**Prof. Dr. Issam A. Al-Khatib**

Deadline for manuscript  
submissions:

**30 June 2024**

### Message from the Guest Editors

Water treatment and wastewater treatment are very important to protect public health, environmental health, and the global economy. These treatment processes will protect safe as well as reliable water resources and may help in promoting sustainable development. Biological treatment technologies have been in existence for many years for water and wastewater treatment, and are closely related to treatment performance efficiency, construction and operation costs, energy requirements, operational flexibility, and environmental impacts.

The aim of this Special Issue of *Water* is to present the latest reports related to the applications of current biotechnology processes to enhance and improve the treatment performance of water as well as wastewater treatment processes and reduce the costs of treatment with potential energy recovery. Authors are encouraged to present their original research and review papers in related areas.



[mdpi.com/si/178057](https://mdpi.com/si/178057)

# Special Issue



*water*



an Open Access Journal by MDPI

## Editor-in-Chief

### Dr. Jean-Luc PROBST

Laboratory of Functional Ecology  
and Environment, 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)