

## Special Issue

# Opportunities and Challenges in Biological Water Treatment

### Message from the Guest Editors

We invite authors to submit original research articles, reviews, or perspectives addressing various aspects of opportunities and challenges in biological water treatment, such as drinking water treatment, urban sewage treatment, reclaimed water treatment, and rural wastewater treatment. Topics of interest include: Relationships between operational parameters, microorganisms, and system performance Identification of keystone taxa in water treatment systems Spatial and temporal distribution patterns of microbial communities Regulation of functional taxa for effective water treatment Applications of multi-omics technologies in water treatment Engineering and ecological value of microbiomes in water treatment and resource recovery.....

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### Guest Editors

Dr. Zedong Lu  
Prof. Dr. Shenbin Cao  
Prof. Dr. Xiaoyan Fan

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### Deadline for manuscript submissions

closed (20 August 2025)



## Water

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Impact Factor 3.0  
CiteScore 6.0



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*Water*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[water@mdpi.com](mailto:water@mdpi.com)

[mdpi.com/journal/  
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## About the Journal

### 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.

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### Editor-in-Chief

Dr. Jean-Luc PROBST

Centre de Recherche sur la Biodiversité l'Environnement (CRBE) UMR CNRS/UPS/INPT/IRD, Centre National de la Recherche Scientifique (CNRS), University of Toulouse, Campus ENSAT, Auzeville Tolosane, Toulouse, France

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