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## Opportunities and Challenges in Biological Water Treatment

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Deadline for manuscript submissions:

**20 October 2024**

### **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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# Special Issue



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## 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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