



water



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Biological Wastewater Treatment around the Globe

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Message from the Guest Editor

Biological wastewater treatment is a modern technique that is designed to degrade pollutants dissolved in wastewater by the action of microorganisms. This Special Issue of *Water* focuses on the current state of research on biological wastewater treatment. New research papers, reviews and case reports are welcome in this Special Issue.

This Special Issue aims to serve as a platform for new scientific evidence on the biological processes of contaminants (chemical, microbial, anthropogenic particles such as nanoparticles or microplastics) and their removal from water and wastewater, as well as articles devoted to advanced biological technological solutions and their applications in environmental remediation.

Here are some examples of topics that could be addressed in this Special Issue:

Biological treatment technologies; Wastewater treatment; Hazardous pollutant abatement; Biodegradation pathway; Biofilm viability; Extracellular polymeric substances; Membrane-aerated biofilm reactor; Bioelectrochemical system; Semiconductor-biological hybrid system; Microalgal–bacterial symbiotic system.



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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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