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Sustainable Water and Wastewater Treatment: Theory, Methods, and Applications

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Message from the Guest Editor

Nowadays, water contamination and freshwater scarcity have become serious issues worldwide, posing threats to both public health and the environment. It is therefore essential and important that more sustainable processes be developed in order to solve these water-related problems. Sustainable water and wastewater treatment not only detoxify wastewater and produce clean water, but also reutilize the energy resources and nutrient materials contained in wastewater. From a technical perspective, the emergence of novel technologies and processes makes it possible for sustainable water and wastewater treatment. However, in practice, there still exist some challenges in selecting the most suitable treatment approach, which should consider technical, economic, and environmental benefits.

The aim of this Special Issue, entitled “Sustainable Water and Wastewater Treatment: Theory, Methods, and Applications”, is to provide scientists with access to the latest research articles as well as review articles in water and sustainable wastewater treatment.



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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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