Special Issue

Decentralized Domestic Wastewater and Stormwater Treatment Systems

Message from the Guest Editor

Daer colleagues, Decentralized wastewater and stormwater treatment systems have shown an increasing trend worldwide, as their application could save freshwater with a reduced energy cost in comparison with centralized systems. In this context, a number of technologies were developed and tested in the last decades for on-site domestic wastewater treatment, including sand filters, membrane bioreactors, constructed wetlands, and biofilm reactors. Similarly, for stormwater management, several other decentralized approaches could be applied such as green roofs, vegetated swales, and bioretention cells. Despite the recent development of the abovementioned technologies, there are still many drawbacks that should be overcome in order to improve their sustainability, such as cost, energy requirement, operation, effluent quality, aesthetic, and acceptability. The main purpose of this Special Issue is to propose a series of novel studies for the decentralized treatment of wastewater and stormwater in order to improve their overall sustainability and acceptability. For further reading, please visit the **Special Issue website**

Guest Editor

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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.

Editor-in-Chief

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