



Decentralized Domestic Wastewater and Stormwater Treatment Systems

Guest Editor:

Prof. Dr. Michalis Fountoulakis
University of the Aegean,
Mytilene, Greece

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Message from the Guest Editor

Dear 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](#)





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Editor-in-Chief

Dr. Jean-Luc PROBST

Laboratory of Functional Ecology and Environment, Centre National de la Recherche Scientifique (CNRS), University of Toulouse, Campus ENSAT, Auzeville Tolosane, France

Message from the Editor-in-Chief

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Water Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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