



Sustainable Wastewater Treatment, Theory, Methods and Applications

Guest Editor:

Prof. Jaewook Myung

Department of Civil and
Environmental Engineering,
KAIST, Daejeon 34141, Korea

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Message from the Guest Editor

There is an urgent need for wastewater treatment plants (WWTPs) to adapt to a rise in water and energy demands, prolonged periods of drought, climate variability, and resource scarcity. As the population increases, minimizing the carbon and energy footprints of wastewater treatment, while properly managing nutrients, is crucial for improving sustainability WWTPs. To this end, the current environmental status of the planet requires that the methods of wastewater treatment are sustainable.

The objective of this Special Issue titled “Sustainable Wastewater Treatment, Theory, Methods, and Applications” is to review the state-of-the-art of the latest advances in wastewater management, with a particular focus on sustainable methods of wastewater treatment and applications including disinfection, grey water, constructed wetlands, ponds, membranes, and reclaimed wastewater reuse.

- water treatment
- activated sludge
- resource recovery
- sustainable development
- advanced aerobic system
- anaerobic system
- decentralized wastewater treatment
- energy-neutral technologies
- water reuse
- biosolids management





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Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
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Message from the Editor-in-Chief

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Applied Sciences Editorial Office
MDPI, Grosspeteranlage 5
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