

Special Issue

Sustainable Wastewater Treatment, Theory, Methods and Applications

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

Guest Editor

Prof. Jaewook Myung

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

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Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
appls@mdpi.com

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,
20133 Milano, Italy

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