

Special Issue

Innovative Water and Wastewater Treatment Technologies for Supporting Global Sustainability

Message from the Guest Editors

Treating water and wastewater demands a significant quantity of energy input, placing a financial burden on society. Therefore, cost- and energy-efficient water and wastewater treatments have become an important topic for the scientific community. Innovation should be created in water or wastewater treatment technology to economically remove both macro- and micro-pollutants from water, produce pristine potable water, without any negative impact on the environment. Potential topics include, but are not restricted to:

- Assessment of environmental and health risks caused by chemical pollutants in drinking water and wastewater
- Treatment of conventional and new organic/inorganic pollutants in water
- Fate of CECs in water treatment processes
- Energy-efficient treatment technologies for nitrogen and/or phosphorus in wastewater
- Automatic control of water and wastewater treatment processes for nitrogen and phosphorus
- Economic analysis of water and wastewater infrastructure
- Strategy for improving sustainability of water and environment

Keywords: Water/Wastewater Treatment, Compounds of emerging concerns, Water-Energy Nexus, Sustainability

Guest Editors

Prof. Dr. Hyunook Kim

Prof. Dr. Pen-Chi Chiang

Prof. Dr. Wenzhi Cao

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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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