



water



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Wastewater Treatment and Resource Recovery: Advances and Developments

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Deadline for manuscript submissions:

closed (30 April 2023)

Message from the Guest Editors

An increasing number of new technologies have recently been developed, such as physical, chemical, and biological techniques and AOPs. Consequently, the development of new environmentally friendly technologies that are able to quantitatively and quickly remove organic pollutants and recover resources in wastewater has become an extremely urgent challenge.

This Special Issue aims to collect original, high-quality articles related to wastewater treatment.

- Advances in wastewater treatment technology;
- Novel chemical oxidation technologies involving ozone-, chlorine-, peroxide-, UV-, electro-, catalyst-, and Fenton-based chemical oxidation processes;
- Evaluation of oxidation mechanisms involving (non-)radical species formation and utilisation;
- Understanding of oxidation byproduct formation, toxicity evolution, and operation optimisation;
- The synthesis and application of active catalysts for chemical oxidation treatments;
- Combination of chemical oxidation with other physical adsorption/separation or biological treatments.

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Special Issue



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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.

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