



water

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Sustainable Governance for Resilient Water and Sanitation Service

Guest Editor:

Dr. Xiaoqin Zhou

Department of Environmental
Science and Engineering,
University of Science and
Technology Beijing, Beijing
100083, China

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Message from the Guest Editor

Centralized wastewater treatment has been operated for hundreds of years, becoming the main method of wastewater treatment. However, we have to face the challenges of urbanization and an increasing population. Source separation has been attractive in recent years since it is beneficial to water, nutrients, and it can be flexible in operation as a centralized, semi-centralized and decentralized treatment. We have seen some robust technologies, such as UV-LED and photocatalysis, but the knowledge is still limited. Furthermore, antimicrobial resistance has become a new issue, and it is noted that wastewater treatment plants are a hotspot of antibiotic-resistant bacteria and genes; nevertheless, technology for antimicrobial resistance control is a considerable challenge.

This Special Issue will collect state-of-the-art knowledge on wastewater treatment. Studies on new techniques for nutrient recovery, disinfection, antibiotics resistance bacteria and gene removal, and in particular, wastewater treatment by source separation or decentralized management, are of specific interest. Review papers, as well as experimental/empirical studies on wastewater treatment, are welcome as well.



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Special Issue



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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

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

Tel: +41 61 683 77 34
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