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Water and Wastewater Treatment: Latest Advances and Prospects

Guest Editors:

Dr. Wenhui Gan

School of Civil Engineering, Sun Yat-Sen University, Guangzhou 510275, China

Dr. Zihao Wu

Advanced Institute of Natural Sciences, Beijing Normal University, Beijing, China

Deadline for manuscript submissions:

closed (30 July 2023)

Message from the Guest Editors

The present Special Issue intends to bring recent research that exploring the potential of advanced technologies applied in the treatment of wastewater and drinking water. We welcome the submission of fundamental and applied research covering multidisciplinary topics, as well as review papers in relevant topics. Topics of interest include, but are not limited to, the following:

- Conserving and recovering nutrients and resources from water treatments;
- Intelligent water utilities operations;
- Mathematical or machine-learning modelling of water treatments;
- Analysis and fate of emerging contaminants in water treatments;
- Low-cost and energy-saving water treatment strategies;
- Development of novel physical, chemical and biological technologies in water treatments (advanced oxidation, nanotechnology, new materials, etc.);
- (Eco)toxicity assessment of water reuse;
- Treatments of non-conventional water resources (e.g., rainwater and seawater);
- Engineering applications of innovative water treatments.



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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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Contact Us

Water Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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