Special Issue

Low-Carbon Treatment and Resource Recovery of Municipal Wastewater and Sludge

Message from the Guest Editors

This Special Issue focuses on recent advances, emerging technologies and practical applications related to the low-carbon treatment and resource recovery of municipal wastewater and sludge. We warmly welcome the submission of high-quality original research articles and critical review papers. Topics of interest include, but are not limited to:

- Novel technologies for nitrogen and phosphorus removal from municipal wastewater;
- Low-carbon wastewater treatment processes based on anammox;
- Resource recovery from wastewater and sewage sludge, such as biogas/biomethane, hydrogen, volatile fatty acids, fertilizers, nutrients and biopolymers;
- Microbial fuel cells and bio-electrochemical systems;
- Occurrence, removal and risk assessment of antibiotics and antibiotic resistance genes in wastewater and sludge treatment systems.

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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.

Editor-in-Chief

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