Special Issue

Treatment and Resource Utilization of Urban Sewage Sludge

Message from the Guest Editors

Rapid urbanization and the improvement of wastewater treatment facilities face the challenge of managing the increasing amount of sludge produced annually. We tend to focus on turning sludge into a resource through various treatment technologies such as anaerobic digestion, composting, incineration, and land application. The concept of a circular economy is being adopted to treat sludge as a resource rather than waste, promoting a green and low-carbon approach to sludge treatment and disposal. This Special Issue aims to foster sustainable sludge management methodologies that minimize environmental impact while ensuring safe and efficient treatment, providing valuable insights for policymakers and industry stakeholders. The scope of this Special Issue includes, but is not limited to, the following: (1) Further technological innovation and policy support to achieve sustainable sludge management; (2) Resource utilization of sludge and its potential environmental applications; (3) Evaluation of the emissions (including organic and inorganic pollutants) from the sludge treatment sector and the feasibility of novel technologies in reducing these emissions.

Guest Editors

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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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