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Sewage Sludge Treatment and Reuse

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Deadline for manuscript submissions:
closed (30 September 2020)

Message from the Guest Editors

Dear colleagues,

Traditional processes for the treatment of wastewater generate large volumes of primary and secondary sludge that are collectively termed sewage sludge.

This Special Issue focuses on treatments of sewage sludge chiefly intended for reuse, resource recovery, or energy valorization, and encourages contributions that refer to:

- biorefinery and resource recovery approaches aimed at extracting value-added products (such as, but not limited to, enzymes, bioplastics, biopesticides, proteins) and nutrients (nitrogen, phosphorous) from sewage sludge, even in the framework of a circular economy concept, and control options for metal elements and micropollutants;
- energy recovery routes, such as anaerobic digestion (including pre- and intermediate treatments), incineration, pyrolysis, gasification, hydrothermal carbonization (HTC) and enhanced digestion using microbial fuel cells, along with their comparative evaluation, to measure their suitability for different sludge compositions and their resource availability.

For further reading, please visit the Special Issue website

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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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