Special Issue

Wastewater Land Treatment System: Research, Designs, and Operation

Message from the Guest Editors

Wastewater land application can be advantageous due to its low cost, energy use, greenhouse gas emissions, and maintenance requirements. Land application has been used for treating various wastewater types such as domestic, food processing, milking facility, farm residuals, etc. The use of onsite wastewater treatment systems is expected to increase to an estimated one-third of all new housing development and can cost 30–50% less to operate than a typical conventional wastewater treatment system. The topics covered in this Special Issue will include, but are not limited to to:

- Innovative research, design, and operation of wastewater land application.
- Impact of climate change on the performance of land application treatment systems.
- Groundwater recharge potential from land-applied wastewater land application.
- Potential greenhouse gas emission reduction associated with the energy usage in wastewater land application, compared to conventional wastewater treatment systems

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Deadline for manuscript submissions

closed (30 May 2024)

Water

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0

mdpi.com/si/189876

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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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