Special Issue

Municipal Wastewater Treatment and Reuse for Irrigation

Message from the Guest Editor

Land application of wastewater has been practiced for several hundreds of years. With advances in wastewater treatment technology, wastewater effluents can achieve a consistently high quality and are increasingly reclaimed for reuse. By 2025, 60% of the world's population is expected to be short of water, so wastewater for crop irrigation and food production will become more important. Wastewater reuse will face many challenges, such as more stringent water quality standards and concerns about trace amounts of home care products, pharmaceuticals, sex and steroidal hormones and disinfection byproducts in wastewater. For this Special Issue on “Municipal Wastewater Treatment and Reuse for Irrigation”, we are interested in case studies, regulations, new wastewater treatment technology processes, aerosol transport, challenges facing land application in developing countries, economics, crop production issues, and water quality issues related to land application. This Special Issue should add some of the latest information on wastewater irrigation from a worldwide prospective to the literature.

Guest Editor

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Deadline for manuscript submissions

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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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