



The Use of Greywater and Wastewater for Irrigation

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Message from the Guest Editors

Global population growth, urbanization, and climate change emphasize the need for new water sources and the vulnerability of water sources to pollution. In rapidly growing urban centers as well as rural areas, the lack of wastewater collection and treatment often hamper its safe reuse. As greywater (GW) is the less polluted stream of domestic wastewater, its onsite treatment and reuse has the potential to benefit users, and on a national scale, to create a new source of water and reduce investment in infrastructure. However, along with its benefits, GW reuse carries potential risks and challenges that cannot be ignored and must be mitigated for safe reuse in general and for irrigation in particular.

Topics such as (but limited to):

- implementation of technologies (mostly onsite) for wastewater/greywater treatment;
- pollutants in GW and wastewater;
- antibiotic resistance;
- health and environmental risks characterization;
- risk assessment;
- standards and standardization;
- impact of reuse on soil and plant quality.





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Message from the Editor-in-Chief

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