



Sustainable Reuse of Municipal Wastewater: Innovations and Challenges

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Message from the Guest Editors

Changes in the climate toward warmer and drier conditions together with the over-demand for water will result in serious impacts on available water resources and create water stress. In addition to depleting the quantity of available water resources, climate change is also expected to contribute to deteriorating the quality of surface and groundwater (i.e., salinization, contamination). This will eventually boost the demand for finding local solutions and using nonconventional water resources, especially in water-scarce areas where the lack of good quality of irrigation water is already limiting agriculture. At this point, reclaimed wastewater reuse can help to address these issues, but its potential remains largely untapped from a practical and legislative point of view. In fact, the reuse of reclaimed water relies on many types of advances not only related to technological approaches, but also health, socioeconomic, and legal aspects.

Accordingly, this Special Issue welcomes research and review papers related to sustainable municipal wastewater treatment and reuse in an integrated approach.





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