

## Special Issue

# Protecting Vulnerable Water Resources by Integrated Wastewater Management: 2nd Edition

### Message from the Guest Editor

Population growth, especially in urban areas of developing countries, has led to a significant increase in demand for water; this is associated with increased local water scarcity, putting enormous pressure on existing sewerage networks and wastewater treatment plants, and affecting drinking water resources through the infiltration of untreated wastewater. The purpose of this special issue is to publish high quality research articles and reviews that address recent developments in global sustainable integrated wastewater management approaches for the protection of vulnerable water resources. The scope of this special issue includes, but is not limited to, the following topics

- Examples/concepts of integrated wastewater management systems for the protection of vulnerable water resources. Water-energy-food nexus.
- Innovative decision support tools for integrated wastewater management.
- Groundwater/hydrogeological risk assessment analysis.
- Crop response to treated wastewater reuse.
- Effects of treated wastewater on soil quality.
- Socio-economic impacts of treated wastewater reuse.
- Governance and water policy.

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### Guest Editor

Dr. Marc Breulmann

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### Deadline for manuscript submissions

closed (30 November 2024)



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### Editor-in-Chief

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