

## Special Issue

# Urban Wastewater Reuse – Challenges, Risks and Opportunities

### Message from the Guest Editors

Water stress and scarcity are increasing in many regions of the world and climate change will intensify the risk of droughts and water shortages. The largest part of the water used in urban areas comes from rivers and groundwater, which are vulnerable sources to threats stood by over-exploitation, pollution and climate change. To adapt our cities to the future decades and make them resilient, it is fundamental to reduce potable water consumption, use alternative water sources and make a more feasible use of water in our daily activities.

It is therefore justifiable the promotion of a more generalized reuse of treated wastewater in urban areas but for that purpose, it is fundamental to closely study subjects such as, and not limited to:

- Identification and reduction of risks;
- Impacts on the existing networks;
- Impacts on superficial and ground water resources;
- Pricing strategies;
- Quality levels for different end-uses (fit-for purpose approach);
- Social acceptance;
- Centralized and decentralized systems;
- Water-Energy Nexus.

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### Guest Editors

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### Deadline for manuscript submissions

closed (30 November 2022)



## Water

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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.

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### Editor-in-Chief

Dr. Jean-Luc PROBST

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