



Urban Wastewater Reuse – Challenges, Risks and Opportunities

Guest Editors:

Dr. Cristina Santos

Department of Civil Engineering,
Universidade do Porto, 4099-002
Porto, Portugal

Dr. Cristina Matos

Escola de Ciências e Tecnologia,
Universidade de Trás-os-Montes
e Alto Douro, Quinta de Prados,
5000-801 Vila Real, Portugal

Deadline for manuscript
submissions:

closed (30 November 2022)

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.





water



an Open Access Journal by MDPI

Editor-in-Chief

Dr. Jean-Luc PROBST

Laboratory of Functional Ecology and Environment, Centre National de la Recherche Scientifique (CNRS), University of Toulouse, Campus ENSAT, Auzeville Tolosane, France

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Ei Compendex, GEOBASE, GeoRef, PubAg, AGRIS, CAPlus / SciFinder, Inspec, and other databases.

Journal Rank: JCR - Q2 (*Water Resources*) / CiteScore - Q1 (Water Science and Technology)

Contact Us

Water Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/water
water@mdpi.com
[X@Water_MDPI](https://twitter.com/X@Water_MDPI)