

Special Issue

Towards Sustainability and Green: Decarbonizing Water Supply and Drainage

Message from the Guest Editors

As an important part of urban infrastructure and ensuring the normal life of residents and the healthy development of the economy, the urban water sector, mainly comprising water supply and drainage, plays a key role in sustainable urbanization and continuous welfare improvement. However, the urban water sector is also facing the challenges of being labeled as a high energy consumer and greenhouse gas (GHG) contributor. Thus, this Special Issue is introduced in order to integrate inspiring practices and advancements in carbon reduction in water supply and drainage. The scope of the Special Issue covers a wide array of topics, including, but not limited to, the following:

- Carbon accounting and methodologies in the water sector;
- Non-CO₂ emission monitoring practices in sewer or treatment plant;
- N₂O production and minimization in wastewater management;
- Energy efficiency improvement and reduction in the water sector;
- New technologies or process optimization to reduce non-CO₂ emissions in wastewater collection and treatment;
- Carbon reduction strategies and pathways;
- Good practices in energy recovery and the valorization of wastewater
- ...

Guest Editors

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Deadline for manuscript submissions

closed (23 September 2023)



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Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

Prof. Dr. Steve W. Lyon

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