

## Special Issue

# Optimizing the Water-Energy Nexus for Future-Ready Cities: Pathways to Sustainability

### Message from the Guest Editors

The Special Issue explores the scientific foundations and importance of the water–energy nexus, which lies at the intersection of environmental science, engineering, urban planning, and policy studies. This field examines the interconnectedness of water and energy systems, which are fundamental to urban infrastructures. This Special Issue aims to bring together cutting-edge research that explores innovative strategies, technologies, and policies to enhance the efficiency and sustainability of water and energy usage in urban areas. Urban infrastructure, water management practices, and energy systems are becoming increasingly interconnected, with advancements in smart technologies, the integration of renewable energy, and climate resilience playing a crucial role in shaping how cities manage these resources. Furthermore, addressing social equity and policy dimensions is crucial to ensure that the benefits of a more sustainable water–energy nexus are equitably shared across urban populations. We look forward to receiving your contributions.

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### Guest Editors

Prof. Dr. Juan Ignacio Torregrosa-López  
Dr. Paola Andrea Alvizuri-Tintaya  
Prof. Dr. Vanesa Gladys Lo Iacono Ferreira

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### Deadline for manuscript submissions

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## Editor-in-Chief

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