

Special Issue

Water Distribution Systems: Security, Resilience, Water Loss Management and Sustainability

Message from the Guest Editors

The preeminent tenet of sustainable development is intergenerational equity, and it follows logically that the goal of sustainably managing water distribution systems unavoidably calls for the scrupulous and rigorous balancing of costs and other conflicting aims, considering the beneficiaries and other stakeholders. Water distribution systems (WDSs) are integral to the viability and sustainability of the populations they serve, and this Special Issue seeks to address WDSs from multiple perspectives as they relate to long-term sustainability. Examples include hydraulic capacity reliability; infrastructure resilience; cyber-physical security; contaminant intrusion and water quality security; water loss management; asset condition monitoring and management; digitalization plus operational and infrastructure data quality; and intermittent water supply system planning, design and operation. Contributions can encompass new methods, critical discussions, thought pieces or reviews of the latest developments and trends. Importantly, contributions from various disciplines and methodological approaches are encouraged.

Guest Editors

Dr. Tiku Tanyimboh
Dr. Alemtsehay Seyoum
Prof. Dr. Rajesh Gupta

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Sustainability
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sustainability@mdpi.com

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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

School of Environment and Natural Resources, Ohio State University,
Columbus, OH 43210, USA

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