

Special Issue

Sustainable Urban Water Management, Hydrology Restoration, and Water Quality Improvement

Message from the Guest Editor

Urban water availability, urban flood mitigation, hydrology restoration, and water quality improvement are major environmental considerations affecting the status of the water environment and the human society within them. Various water and environmental models are valuable tools in finding ways to solve urban environmental problems and mitigate the impact of land use, future climate, and socio-economic changes on urban water and the environment. Particularly, in the past decade, monitoring data have become increasingly available to improve models in representing actual performance/prediction processes and land and water management practices, towards an overall improvement of future planning and management of water-related environments. This Special Issue is envisioned to showcase the state of the art in the adaptation and use of observed data for hydrologic, hydraulic, water quality, and ecological models at different scales and climatic regions in urban areas and their application. We hope that new data/methods/models will help us to highlight recent progress in tackling real urban water environment problems and outline possible issues that need more focused research.

Guest Editor

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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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