

Special Issue

Numerical Modelling and Data Analytics for Resilient Urban Water Infrastructure

Message from the Guest Editors

Urban water infrastructure consists of water and wastewater distribution/collection and treatment and flood control systems. Climate change is putting increasing stress on urban water infrastructure by increasing the frequency of natural hazards such as flooding or drought. At the same time, rapid urban population growth increases the exposure and vulnerability to these hazards. It is important to build resilience to natural hazards to adapt to climate change and achieve sustainability. Numerical modelling and data analytics play an increasingly important role in understanding and predicting the impacts of natural hazards, assessing risks, optimizing planning and operation, and ultimately increasing resilience. This special issue provides a platform to showcase recent advances in methodological development or applications of numerical or data-driven methods for increasing resilience of urban water infrastructure to natural hazards. [...] For more details, please find at: https://www.mdpi.com/journal/water/special_issues/Modeling_Urban_Water_Infrastructure

Guest Editors

Dr. Xilin Xia

School of Architecture, Building and Civil Engineering, Loughborough University, Loughborough, Leicestershire LE11 3TU, UK

Dr. Fanlin Meng

College of Engineering, Mathematics and Physical Sciences, Harrison Building, Streatham Campus, University of Exeter, North Park Road, Exeter EX4 4QF, UK

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

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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.

Editor-in-Chief

Dr. Jean-Luc PROBST

Centre de Recherche sur la Biodiversité l'Environnement (CRBE) UMR CNRS/UPS/INPT/IRD, Centre National de la Recherche Scientifique (CNRS), University of Toulouse, Campus ENSAT, Auzeville Tolosane, Toulouse, France

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