Special Issue

Feasibility Evaluation and Sustainable Management of Water Infrastructure

Message from the Guest Editors

The rise of highly urbanized populations and ongoing climate change have posed various challenges to the security and management of water infrastructures, such as reservoirs, water transfer and supply systems, wastewater treatment systems, and storm drainage. In order to ensure water security, feasibility evaluations and sustainable management are vital to the maintenance of water infrastructures.

The Special Issue welcomes the submission of articles that present innovative approaches with which to study water infrastructure-related problems. Potential topics include, but are not limited to, the following: (i) Health monitoring of water infrastructure; (ii) operational management of water infrastructure; (iii) defect detection in water infrastructure; (iv) advanced design theory and technology of water infrastructure; (v) intelligent construction of water infrastructure; (vi) application of soft numerical modelling and machine learning in water infrastructure; (vii) risk assessment and emergency response of water infrastructure under extreme climate conditions; and (viii) sustainable technologies and materials for water infrastructure restoration.

Guest Editors

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

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

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