Special Issue

Water Engineering Safety and Management, 2nd Edition

Message from the Guest Editors

A large amount of the water engineering infrastructure we currently have, such as dams, embankments, and channels, was built to provide important societal and economic benefits related to flood control, power generation, water supply, etc. It is particularly important to ensure the safety of water engineering throughout the design, construction, and operation of each piece of infrastructure. Topics of interest include, but are not limited to, the following:

- Water engineering simulation analysis and theory;
- Design optimization methods for water engineering;
- Intelligent construction technology for water engineering;
- Water engineering construction and safety management;
- Safety monitoring and health diagnoses in water engineering;
- Water engineering reliability analyses and risk assessments;
- Innovative simulation/computing tools for water engineering;
- Novel operation and maintenance measures for water engineering.

Keywords: water engineering; safety management; optimization of design; intelligent construction; operation and maintenance; health diagnosis; risk assessment; numerical simulation; soft computing

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Deadline for manuscript submissions

25 February 2026

Water

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0

mdpi.com/si/233896

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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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