

Special Issue

Advanced Research on Hydraulic Engineering and Hydrological Modelling

Message from the Guest Editors

Hydraulics and hydrology play an important role in supporting water security, the water environment and water ecology. In recent years, the construction of high dams (such as the Baihetan Project) has solved many problems, and produced many practical theories, techniques and practical experiences in the field of hydraulics and hydrology. In addition, with the rapid development of new technologies such as information technology and big data, their integration with hydraulics and hydrology has become a hot issue at present. The above related research results need to be summarized and shared to better facilitate the development of this area of interest. In this Special Issue, we welcome research papers, review papers and case studies related to hydrodynamics and hydrology, including, but not limited to, the following topics:

- River system connections and water security;
- Flood discharge energy dissipation and atomization protection;
- Hydraulic safety monitoring and evaluation;
- Lake water environment assessment and restoration;
- Applications of new technology in water conservancy projects.

Guest Editors

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Deadline for manuscript submissions

closed (20 March 2024)



Water

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Impact Factor 3.0
CiteScore 6.0



mdpi.com/si/151556

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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

Dr. Jean-Luc PROBST

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