

Special Issue

Hydraulic Engineering Modeling and Technology

Message from the Guest Editors

This Special Issue focuses on the recent advances in modeling and analysis technology of hydraulic engineering, including the digital twin technology, physical and numerical modeling. The Special Issue welcomes research papers and review articles in both academia and industry from across the globe to discuss topics related to the design and operation of hydraulic engineering to promote global sustainable development. Potential topics include (but are not limited to) the following:

- Innovative digital-twin technology in hydraulic engineering;
- Technology of intelligent construction and health monitoring in hydraulic engineering;
- Modeling and seismic analysis of towering hydraulic structures in high-intensity regions;
- CFD modeling for complex flow fields in flow conveyance structures;
- Novel technology in flow-induced vibration of gate structure considering the fluid–structure interaction effect;
- Modeling and safety analysis of water pipeline in pumped-storage power station;
- Safety-evaluation modeling for long-term service behavior of concrete structure in dams

Guest Editors

Prof. Dr. Zhengzhong Wang

Prof. Dr. Songbai Song

Prof. Dr. Chao Liu

Prof. Dr. Xiaohui Lei

Prof. Dr. Heng Zhou

Deadline for manuscript submissions

closed (31 October 2023)



Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



mdpi.com/si/116076

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

[mdpi.com/journal/
sustainability](https://mdpi.com/journal/sustainability)





Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



[mdpi.com/journal/
sustainability](https://mdpi.com/journal/sustainability)



About the Journal

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

School of Environment and Natural Resources, Ohio State University,
Columbus, OH 43210, USA

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE and SSCI (Web of Science), GEOBASE, GeoRef, Inspec, RePEc, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Environmental Studies) / CiteScore - Q1
(Geography, Planning and Development)