

Special Issue

The Sustainable Development of Hydraulic Engineering and Water Resources

Message from the Guest Editors

The development of hydropower stations is the main method for utilizing water resources worldwide. As a mature and stable renewable energy technology, hydropower remains at the centre of the sustainable development goals. However, the development of hydropower has inevitably altered the natural environment of rivers and has driven changes in habitat conditions, thereby negatively impacting river ecosystems. To maintain the sustainable development of hydropower, recent research has made remarkable efforts in the field of adaptive management; it has created linkages between the flow regime and ecosystem processes, analyzed hydropower's cumulative effects on hydrological regime in the context of climate change and hydropower development, has considered the hydrodynamic process of flood discharge and energy dissipation, and has examined water-related disasters in mountain and urban areas. The Special Issue focuses on the advancement of sustainable hydraulic engineering and water resource management, and welcomes the contribution of reviews, approaches, ideas, and technologies.

Guest Editors

Prof. Dr. Tiegang Zheng

Prof. Dr. Junqiang Lin

Dr. Zhipan Niu

Dr. Wei Huang

Deadline for manuscript submissions

closed (17 April 2024)



Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



mdpi.com/si/166903

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)