Special Issue

Remote Sensing for Hydrological Monitoring and Disaster Risk Assessment

Message from the Guest Editors

It is challenging to manage water resources and related disasters, particularly in ungauged areas. Remote sensing has the advantages of large area coverage and relatively inexpensive and easy collection, helping to compensate for the deficiencies of the traditional monitoring system.

In this Special Issue, we aim to leverage the modernization of hydrological monitoring and the ability to acquire data based on remote sensing, facilitating the evaluation and prediction of hydrological processes and related disasters.

We welcome original research articles and reviews including (but not limited to) the following topics:

- Production of high-resolution water-related remote sensing data.
- Inversion method of hydrological variables based on remote sensing.
- Method of identifying hydrological variables and water-related disasters.
- Correction technology of hydrological remote sensing.
- Real-time prediction of hydrological variables and disasters based on remote sensing.
- Assessment of water resources and disaster risk based on remote sensing.
- New satellites or satellite constellation plans for water resources and disasters.

Guest Editors

Dr. Yanjun Zhang

State Key Laboratory of Water Resources and Hydropower Engineering Science, Wuhan University, Wuhan 430072, China

Prof. Dr. Zhiguo Pang

China Institute of Water Resources and Hydropower Research(IWHR), Beijing 100038, China

Deadline for manuscript submissions

closed (9 November 2023)

Sustainability

an Open Access Journal by MDPI

Impact Factor 3.3
CiteScore 7.7

mdpi.com/si/168866

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

mdpi.com/journal/sustainability

Sustainability

an Open Access Journal by MDPI

Impact Factor 3.3
CiteScore 7.7

mdpi.com/journal/sustainability

MDPI

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)