

Special Issue

Recent Advances in Groundwater Resources Management for Sustainability

Message from the Guest Editors

Groundwater resource management plays an important role in water resource management, agricultural irrigation, ecological environment, and the socio-economic development of a region. Groundwater processes are influenced by complex weather and nonlinear infiltration mechanisms, which are difficult to model; thus, reliable groundwater modelling and forecasting remain a challenge. Recently, new technologies and methods have been employed in groundwater management, such as satellite remote sensing technology, big data mining technology, artificial intelligence, etc., to improve the quality of forecasting and simulation. In addition, the impact of climate change on groundwater in recent years is highly concerning. Advanced modelling techniques, including physical-based modelling and machine-learning-based modelling, may provide the necessary support for authorities, decision makers, and ordinary stakeholders. For this SI, we invite contributions of original reviews and research focused on developing and improving groundwater modelling and investigating their applications in water resource management as well as the impacts of the changing climate on groundwater.

Guest Editors

Dr. Duong Tran Anh

Dr. Dang An Tran

Dr. Quoc Bao Pham

Dr. Ha Quang Khai

Prof. Dr. Francesco Granata

Deadline for manuscript submissions

closed (18 January 2024)



Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



mdpi.com/si/166257

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)