

Special Issue

Advances in Hydrological and Hydrogeochemical Processes and Water–Rock Interactions under Complicated Conditions and Changing Environments

Message from the Guest Editor

Scientific understanding of the hydrological processes, hydrogeochemical processes, and water–rock interactions under complicated circumstances is an important research hotspot in the field of hydrology and earth system sciences. In particular, both global climate change and high-intensity human activities dramatically alter the hydrological cycle and its associated processes, posing a threat to future sustainable water resource management in global and regional areas. Therefore, it is urgent that we improve our skills and methods to better understand the physical mechanisms and responses of hydrological and hydrogeochemical processes to changing environments. This requires multidisciplinary studies that involve hydrology, hydrogeology, hydrogeochemistry, ecology, environmental sciences, etc. We invite researchers to contribute original research articles and state-of-the-art reviews, including in situ and laboratory experiments; theoretical models; and numerical simulations for hydrological and hydrogeochemical processes and water–rock interactions. We look forward to receiving your contributions.

Guest Editor

Dr. Xiaomeng Song
School of Resources and Geosciences, China University of Mining and Technology, Xuzhou 221116, China

Deadline for manuscript submissions

closed (31 July 2025)



Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



mdpi.com/si/194712

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)