

Special Issue

Sustainability for Disaster Mitigation in Underground Engineering

Message from the Guest Editors

This Special Issue invites cutting-edge research and innovative technological applications related to disaster prediction, early warning, structural stability, and sustainable development in underground engineering. We encourage the submission of original research and review articles focusing on intelligent disaster prevention and control, stability analysis of underground structures, collaborative protection of resources and environments, as well as green materials and low-carbon construction technologies. Topics of interest include, but are not limited to, the following:

- Advanced predictive modeling and early warning systems for geological hazards in underground engineering, utilizing geological surveys, sensor networks, and big data analytics.
- Research on the long-term stability of underground structures under extreme conditions (high stress, temperature, and pressure), employing digital geomechanics simulations for dynamic assessments.
- Collaborative protection of groundwater resources and geological environments, emphasizing sustainable practices to prevent over-exploitation and contamination during underground construction.
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Guest Editors

Dr. Zhaofeng Wang
Dr. Yaxun Xiao
Prof. Dr. Shuqian Duan

Deadline for manuscript submissions

closed (31 August 2025)



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

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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

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