

Special Issue

Geomechanics, Slope Stability and Sustainability

Message from the Guest Editors

This Special Issue seeks to collect articles that address innovative approaches for analyzing slope stability, predicting failure mechanisms, designing effective stabilization measures, and assessing the risk of landslides. Additionally, we encourage research that explores the intersection of geomechanics and sustainability, such as sustainable construction materials for geotechnical applications, eco-friendly slope stabilization methods, geotechnical aspects of renewable energy projects, or life cycle assessment of geotechnical works. The goal is to provide a platform for researchers and practitioners to share their experiences, knowledge, and research outcomes, and to promote sustainable and resilient infrastructure development and natural hazard management. Research areas may include (but are not limited to) the following:

- Soil mechanics/rock mechanics;
- Analytical, physical and numerical techniques in slope stability;
- Sensors and monitoring techniques for geohazards;
- Artificial intelligence, remote sensing technology, and landslide susceptibility mapping;
- Slope stabilization and landslide mitigation;
- Sustainability principles in geomechanical engineering practices.

Guest Editors

Prof. Dr. Qiong Wu

Prof. Dr. Rui Yong

Dr. Kun Fang

Dr. Tao Wen

Deadline for manuscript submissions

closed (26 September 2023)



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Impact Factor 3.3
CiteScore 8.9



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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

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