

## Special Issue

# Sustainable Approach for Slope Stabilization against Changes in Climatic Conditions

### Message from the Guest Editors

Global warming, exacerbated by human activities, has led to changing weather patterns such as a higher rate of precipitation. Rainfall infiltration has been identified as one of the main triggering factors of landslides in many parts of the world. As unprecedented rainfall intensities are expected in the future, it is important to employ preventive measures for the anticipated possibility of landslides. Various slope reinforcement measures have been proposed by researchers and geotechnical engineers in response to landslides caused by different factors, including the excessive rainfall infiltration. One solution is a sustainable method via green technology, which is an integrated design approach that combines vegetation and engineering design methods to mechanically reinforce slopes, to control erosion, to improve the aesthetics of the environment, to provide visual and noise barriers, and to improve biological diversity. This Special Issue covers different technologies related to sustainable solution for preventing slope against landslides due to changes in climatic conditions.

---

### Guest Editors

Dr. Qian Zhai  
Dr. Alfredo Satyanaga  
Dr. Zhong Han  
Dr. Lei Zou

---

### Deadline for manuscript submissions

closed (30 November 2023)



Sustainability

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.3  
CiteScore 7.7



[mdpi.com/si/120163](https://mdpi.com/si/120163)

*Sustainability*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[sustainability@mdpi.com](mailto: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)