

## Special Issue

# Risk Assessment of Landslides Based on Multi-source Data and Machine Learning

### Message from the Guest Editors

Landslides are one of the most common geological disasters and are usually induced by rainfall, earthquakes, and human activities. Today, with the dramatic change in global climate, landslides occur more frequently. In this context, the accurate and efficient completion of landslide risk assessment is of great significance for regional sustainable development, since misjudgment of landslide risks can lead to disastrous consequences. The risk assessment of landslides involves a lot of research fields. Generally, the evolution mechanism of landslides has always been the key to determining the risk level. Detailed site investigation will help integrate the overall process of landslides effectively. Reliable risk assessment can be linked with the fusion and mining of massive multi-source monitoring data. Machine learning has a strong nonlinear processing ability and has been used in landslide risk assessment by more and more researchers. We are looking forward to relevant studies that are conducive to determining the risk of landslides.

---

### Guest Editors

Dr. Luqi Wang

Dr. Lin Wang

Dr. Yankun Wang

Dr. Ting Xiao

Dr. Zhiyong Liu

---

### Deadline for manuscript submissions

closed (30 June 2024)



Sustainability

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.3  
CiteScore 7.7



[mdpi.com/si/148194](https://mdpi.com/si/148194)

*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)