

## Special Issue

# Machine Learning and Artificial Intelligence in Geotechnical and Underground Infrastructures

### Message from the Guest Editors

In the era of Industry 4.0, engineers and researchers in the civil community have become more interdisciplinary and are required to harness the potential of machine learning, artificial intelligence, and information modeling techniques to provide novel solutions to new challenges in the design, construction, and maintenance of underground engineering. To advance the development and application of machine learning and artificial intelligence in geotechnical and underground engineering, and to enhance its digital, information, and intelligence capabilities, Sustainability presents a Special Issue that focuses on the application of machine learning and artificial intelligence technologies in the design, construction, operation, and maintenance of geotechnical and underground infrastructures.

---

### Guest Editors

Prof. Dr. Qiuqing Pan

Dr. Dalong Jin

Dr. Yutao Pan

Dr. Hui Xu

---

### Deadline for manuscript submissions

closed (25 January 2026)



**Sustainability**

---

an Open Access Journal  
by MDPI

---

**Impact Factor 3.3**  
**CiteScore 8.9**



[mdpi.com/si/205296](https://mdpi.com/si/205296)

*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 8.9



[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)