

Special Issue

Application of Geotechnical Engineering and Monitoring Technology in Sustainable Tunnels

Message from the Guest Editors

The sustainable development of green and efficient tunnels and underground engineering is a new challenge faced by the industry. On the one hand, advanced geotechnical engineering construction technology is the basic guarantee. The mechanical performance and service life of tunnels and underground engineering during the operation period are affected, resulting in various hidden dangers that affect safety and normal use. In severe cases, it will pose a serious threat to the safe operation of infrastructure and people's lives and property. On the other hand, intelligent monitoring technology is the key principle. Further improvement is needed in front-end perception, data analysis, and processing, and the promotion and application of new technologies need to be strengthened. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- Construction technology and equipment for large section tunnels;
- New technology for tunnel blasting;
- Intelligent and mechanized tunnel construction technology;
- New monitoring and measurement technology for tunnels and underground engineering.

Guest Editors

Prof. Dr. Liyun Yang

Prof. Dr. Zhigang Tao

Dr. Chenxi Ding

Dr. Peng Xu

Prof. Dr. Liyuan Yu

Deadline for manuscript submissions

closed (21 May 2024)



Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



mdpi.com/si/180085

Sustainability
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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. *Sustainability* publishes original research articles, review 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. Marc A. Rosen

Faculty of Engineering and Applied Science, University of Ontario
Institute of Technology, Oshawa, ON L1G 0C5, Canada

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, CAPIus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Environmental Studies) / CiteScore - Q1
(Geography, Planning and Development)