

## Special Issue

# The Development of Underground Projects in Urban Areas

### Message from the Guest Editors

The aim of this Special Issue, entitled “The Development of Underground Projects in Urban Areas” is to gather original fundamental and applied research related to the numerical models and advanced treatments of heterogeneous and discontinuous geo-materials and underground structures. Potential topics include, but are not limited to, the following topics:

- Advanced algorithms to quantify morphology characteristics of heterogeneous and discontinuous geo-materials;
- Constitutive models of heterogeneous and discontinuous materials;
- High-performance computation methods for heterogeneous and discontinuous materials;
- Advanced treatments for surrounding rocks and underground structures during tunneling in heterogeneous geo-materials;
- Settlement prediction and control during tunneling in heterogeneous geo-materials;
- Three-dimensional mechanical behavior of urban underground structure under complex environment;
- Safety evaluation for urban underground structure under complex environment;
- Regulation, planning, environmental assessment, investment, management of underground projects in urban areas.

---

### Guest Editors

Dr. Jianjun Ma

Prof. Dr. Mingfeng Lei

Dr. Yu Liang

Dr. Yuexiang Lin

---

### Deadline for manuscript submissions

closed (30 April 2023)



## Sustainability

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.3  
CiteScore 6.8



[mdpi.com/si/121483](https://mdpi.com/si/121483)

*Sustainability*

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 6.8



[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, AGRIS, RePEc, CAPlus / SciFinder, and other databases.

#### Journal Rank:

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