

## Special Issue

# Advances in Geotechnical Engineering during Deep Energy Exploitation

### Message from the Guest Editors

We invite investigators to contribute both original research articles and review articles that will explore as many aspects as possible in the modelling and characterization of strata deformation and support methods about controlling strata. Potential topics include, but are not limited to, the following:

- Mechanical properties of deep resource reservoir;
- Digital representation of rock mass/reservoir simple;
- Methane hydrate exploitation and reservoir deformation;
- Theoretical or numerical analysis of geological response during geothermal energy mining;
- Surrounding rock deformation mechanism and support method in deep coal roadways;
- Fracture characterization and hydraulic fracturing in deep reservoirs;
- Prevention and control of disasters in deep rock engineering;
- Experimental or numerical simulation of rockburst;
- Deep-sea geotechnical engineering principles and practice.

---

### Guest Editors

Dr. Bin Gong

Dr. Yu Zhang

Dr. Lianzhen Zhang

Dr. Guoming Liu

---

### Deadline for manuscript submissions

closed (30 September 2021)



## Sustainability

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.3  
CiteScore 7.7



[mdpi.com/si/72483](https://mdpi.com/si/72483)

*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)