



State of the Art of Rock Engineering

Guest Editors:

Dr. Chaojun Jia

School of Civil Engineering,
Central South University,
Changsha 410075, China

Dr. Qiang Zhang

Institute of Geotechnical
Engineering, China Institute of
Water Resources and
Hydropower Research, Beijing
100048, China

Dr. Yanhua Huang

School of Mechanics and Civil
Engineering, China University of
Mining and Technology, Xuzhou
221116, China

Deadline for manuscript
submissions:

closed (30 July 2023)

Message from the Guest Editors

Dear Colleagues,

The construction and long-term service of tunnels, slopes, and hydropower engineering projects are foci in the field of rock engineering. The mechanical characteristics and theory models of rocks are important parameters for the analysis of construction and operation safety. Numerical simulation is an important means for the analysis of engineering safety and scheme optimization. Field application is the key step with which to verify the proposed optimization scheme.

This Special Issue will publish high-quality and original papers focusing on the perspective of rock engineering. The topics discussed will include not only rock mechanics experiments, theory models, numerical simulation analyses, etc., but also the application of new methods in rock engineering.

Dr. Chaojun Jia
Dr. Qiang Zhang
Dr. Yanhua Huang
Guest Editors





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
da Vinci 32, 20133 Milano, Italy

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, Embase, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)

Contact Us

Applied Sciences Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/applsci
applsci@mdpi.com
[X@Applsci](https://twitter.com/Applsci)