Special Issue

Advanced Underground Coal Mining and Ground Control Technology

Message from the Guest Editors

Human society has long maintained a high level of demand for coal resources. In recent years, underground coal mining technology has evolved rapidly around issues of safety, health, and efficiency. This Special Issue aims to publish academic papers related to Advanced Underground Coal Mining and Ground Control Technology. The centralized publication of these results will facilitate the collision, learning and inspiration of ideas, as well as the dissemination of successful technologies and cases, and will also facilitate the identification of shortcomings and the search for new research points. The topics of interest include, but are not limited to, the following:

- Ground control for roadways or stopes
- Intelligent mining or driving theory and technology
- New coal mining and roadway driving methods
- Intelligent perception, analysis, and decision for underground mining
- Large section chamber support theory and technology
- Efficient and fast driving technology
- Forewarning and prevention for dynamic disaster of coal and rock
- Rock mass mechanics

Guest Editors

Dr. Changliang Han

School of Mines, China University of Mining and Technology, Xuzhou 221116, China

Dr. Xiaoqing Wang

Coal Mining Branch, Coal Research Institute, Beijing 100013, China

Deadline for manuscript submissions

closed (20 August 2024)

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/si/154965

Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
applsci@mdpi.com

mdpi.com/journal/applsci

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/journal/applsci

MDPI

About the Journal

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.

Editor-in-Chief

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

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, CAPlus / SciFinder, and other databases.

Journal Rank:

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