Mining Safety: Challenges & Prevention

Guest Editors:

Dr. Hao Shao
School of Safety Engineering, China University of Mining & Technology, Xuzhou 22111, China

Dr. Chuanbo Cui
School of Safety and Emergency Management Engineering, Taiyuan University of Technology, Taiyuan 030024, China

Deadline for manuscript submissions:
closed (30 November 2023)

Message from the Guest Editors

The mining industry is limited by the work environment. Ventilation is poor, and there are many problems that influence the safety and health of miners, such as fire hazard, gas, dust explosion, poor ventilation, etc. Nowadays, the aim of research on mining safety is to use new theories and methods to investigate the mechanism of mining safety problems, rule of development, and new technology.

The submission direction includes analysis of trends around mine safety, management of mine safety, mine fire, mine ventilation, mine dust, mine gas, and big data analysis of mine safety.

Keywords:
- mine safety
- big data analysis
- gas prevention
- gas explosion
- emergency rescue
- dust control
- mine ventilation
- intelligent ventilation
- fire prevention
- spontaneous combustion of coal

Special Issue

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), Inspec, CAPlus / SciFinder, and other databases.
Journal Rank: JCR - Q1 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)

Contact Us