Special Issue

Mine Earthquake and Rock Burst Monitoring, Early Warning and Prevention

Message from the Guest Editor

When a mine enters into deep mining, under the influence of deep complex stratum conditions, high geostress, high permeability, strong engineering disturbance and other complex mechanical conditions, mine earthquakes, rock bursts and other dynamic disasters become more and more serious, their occurrence mechanisms and disaster-causing processes become more complex, and monitoring, early warning, prevention and control become more and more difficult. Based on this, this topic will focus on the latest research results in the mechanism, monitoring, early warning and prevention of rock bursts and mine earthquakes, including relevant laboratory research, theoretical analysis, numerical simulation, on-site monitoring and related technologies and equipment. Research areas may include (but are not limited to) the following: (1) The mechanisms of rock bursts and mine earthquakes in deep mining; (2) Risk prediction and early warning technology of rock bursts and mine earthquakes; (3) Rock burst and mine earthquake prevention and control technology; (4) Theory and technology of deep roadway support.

Guest Editor

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Deadline for manuscript submissions

closed (20 January 2024)

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/si/156083

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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

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