

Special Issue

Advances in Coal Mining Technologies

Message from the Guest Editors

With increasing global energy demand, coal as a critical energy resource has attracted significant attention for its efficient, safe, and sustainable extraction technologies. This Special Issue focuses on recent technological breakthroughs in the fields of intelligentization, greening, and disaster prevention and control. The issue aims to highlight technological innovations and sustainable development in coal resource exploitation, covering key areas such as intelligent mining systems, the development of green mines, safe and efficient deep mining, geohazard prevention and control, and the application of digital twin technology in coal mines. We sincerely invite scholars in related fields to contribute their latest research findings and reviews, promoting the transition of coal mining toward safer, smarter, and more environmentally friendly practices.

- coal mining
- intelligent technology
- green mining
- disaster prevention and control
- deep resource exploitation

Guest Editors

Prof. Dr. Xiangyu Wang

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

Dr. Feiteng Zhang

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

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

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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

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

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