

## Special Issue

# Safety and Risk Analysis in Underground Engineering

### Message from the Guest Editors

We invite submissions that cover a wide range of topics. For example, innovative methods for geological exploration and hazard identification, advanced numerical simulation techniques for predicting the stability of underground structures, and the development of risk assessment models considering various uncertainties are welcome. Papers could also focus on the implementation of safety management systems, the use of microseismic monitoring technologies for early warning, and the effectiveness of different preventive and control measures. In addition, studies on the human factor in underground safety, such as the impact of worker behaviour and training on accident prevention, as well as the integration of multi-disciplinary approaches to enhance overall safety performance, are also encouraged. Original and innovative research papers involved in new theories, methodologies, techniques, concepts, approaches and thinking paradigms addressing these topics are invited for this Special Issue.

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### Guest Editors

Dr. Fang Yan

Dr. Daoyuan Sun

Dr. Hongwei Wang

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### Deadline for manuscript submissions

closed (20 July 2025)



## Applied Sciences

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## 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.

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### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
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