

# Special Issue

## Underground Space Monitoring

### Message from the Guest Editors

Rapid urbanization and infrastructure development demand innovative solutions for underground space utilization, necessitating advanced monitoring technologies to ensure safety, sustainability, and efficiency. This Special Issue on “Underground Space Monitoring” focuses on innovative strategies enhancing the longevity and performance of underground infrastructure. We invite high-quality original research, reviews, and case studies focused on, but not limited to, the following:

- Service status monitoring of construction equipment;
- Innovative sensing and monitoring technologies;
- AI-driven data analytics for monitoring and warning;
- Novel monitoring instruments for extreme environments;
- Case studies of underground engineering monitoring.

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### Guest Editors

Dr. Shaohui Tang

Dr. Weiqiang Xie

Dr. Qi Zhang

Dr. Yucong Pan

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### Deadline for manuscript submissions

closed (20 April 2026)



## Applied Sciences

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Impact Factor 2.5  
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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  
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,  
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