

Special Issue

Recent Advances in Tunneling and Underground Space Technology

Message from the Guest Editors

We are seeking research relevant to tunneling and underground space, including but not limited to: shield tunneling, deep excavation, pipe-jacking engineering, municipal pipeline engineering, and pile foundations. This Special Issue will publish high-quality, original research papers in the overlapping fields of:

- New construction technologies of shield tunneling, pipe jacking, deep excavations, and other underground constructions;
- Interactions between adjacent constructions and underground facilities (e.g., metro stations, shield tunnels, pile foundations, and pipelines);
- Environmental effects of complex basement excavation, shield tunneling, pipe jacking, and other underground constructions;
- Intelligent monitoring technologies during and after underground structure construction;
- Protection and repair measures for underground facilities (e.g., shield tunnels, metro stations, pile foundations, pipelines, etc.)
- Novel exploration methods for underground spaces;
- Case studies, analytical methods, numerical analyses, and experimental tests related to underground space engineering

Guest Editors

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Deadline for manuscript submissions

closed (30 March 2024)



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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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