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Application of Geotechnical Engineering and Monitoring Technology in Sustainable Tunnels

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Deadline for manuscript submissions:
closed (21 May 2024)

Message from the Guest Editors

Dear Colleagues,

The sustainable development of green and efficient tunnels and underground engineering is a new challenge faced by the industry. On the one hand, advanced geotechnical engineering construction technology is the basic guarantee. The mechanical performance and service life of tunnels and underground engineering during the operation period are affected, resulting in various hidden dangers that affect safety and normal use. In severe cases, it will pose a serious threat to the safe operation of infrastructure and people's lives and property. On the other hand, intelligent monitoring technology is the key principle. Further improvement is needed in front-end perception, data analysis, and processing, and the promotion and application of new technologies need to be strengthened.

In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- Construction technology and equipment for large section tunnels;
- New technology for tunnel blasting;
- Intelligent and mechanized tunnel construction technology;
- New monitoring and measurement technology for tunnels and underground engineering.

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Message from the Editor-in-Chief

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