

Special Issue

Advances in Railway Tunnelling Engineering: Design, Stability and Construction

Message from the Guest Editor

High-speed rail developed rapidly around the world over the past 15 years, and many high-speed rail projects are currently under construction or near completion. Railways in mountainous areas are made up of tunnels, and tunnels are being constructed at an annually increasing rate of 7% worldwide for the next 5 to 10 years. Moreover, many cities across the world have developed underground railway systems. Challenges and innovative solutions in planning, construction, operation, and management of metro tunnels have been an important component of underground engineering. Thus, the development of tunneling technology has also drawn increasing attention from both academics and policy makers. The Special Issue aims to share recent developments in the design, stability, and construction of railway tunnels. This issue is committed to publishing original papers and case studies on the interdisciplinary aspects of planning, creating, and regulating underground space, which includes geo-investigation, geomechanics analysis, design and modeling, construction and monitoring, and maintenance and rehabilitation of railway tunnels or urban subway stations.

Guest Editor

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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

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