

Special Issue

Railway Earthwork Maintenance and Design: Advanced Structures and Technologies

Message from the Guest Editors

The performance of railway systems largely depends on railway infrastructure earthwork conditions. Many of earthworks alongside the railway were built more than 100 years ago and were poorly engineered by modern standards. Moreover, with the increasingly frequent severe weather conditions due to climate change and the increasing demands for the mobility and transportation of goods, maintaining a high level of safety performance for our aging railway systems remains a constant challenge. However, with the development of modern technologies, e.g., Earth Observation, Artificial Intelligence, and advanced sensor development, we can modernise and upgrade our existing railway system not only to ensure a safe running of the train, but also to achieve an even more reliable and more efficient railway performance. This Special Issue aims to collect the newest technology related to the maintenance of the existing railway earthwork and the design for the future. Special Issue Link: journal/applsci/special_issues/Railway_Design

Guest Editors

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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.

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