

Special Issue

Advances in Railway Infrastructure Engineering

Message from the Guest Editors

One of the most complex aspects of the railway system is infrastructure. Infrastructure is fixed equipment that is necessary for running the trains. Very often, some parts of the infrastructure are more than 100 years old but are still able to run the trains. Scholars, therefore, should address the question of whether it is both safe and economical to continue to use these old parts.

Very often, railway lines are overhauled, but after a few years the necessary maintenance ceases, and as a result the speed of the train lines is reduced. This therefore leads to a second question for scholars: "What are the feasible models for maintaining railway lines at their original standards?"

For future decarbonization, we need now to take a step in the right direction. We call for research on all kinds of aspects of railway infrastructure and new sustainable infrastructure for railway systems.

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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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