



Optimization Techniques in Geotechnical Engineering

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Deadline for manuscript
submissions:

30 December 2024

Message from the Guest Editor

Dear Colleagues,

Geotechnical engineering is a complex system that involves excavation and disturbance of underground engineering, foundation treatment, stability of ground geotechnical structures, as well as the interaction and safety of various geotechnical structures for different engineering purposes.

This topic includes the settlement of ground surfaces, collapse of underground supporting structures, landslides of soil slope, protrusion and blockage of tunnels, geo-environmental hazards, soil pollution and remediation, etc. For this purpose, it is necessary to investigate the physico-mechanical properties, seepage characteristics, deformation and strength evolution, as well as the coupled multi-physical fields.

The Special Issue *Optimization Techniques in Geotechnical Engineering* will address the most recent developments in low-carbon techniques and green transformation in the construction of large-scale underground engineering, to stimulate fruitful technical and scientific interaction between professionals.





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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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