Special Issue

Novel Research on Rock Mechanics and Geotechnical Engineering

Message from the Guest Editors

Rock mechanics research serves as the foundation for the safe and efficient implementation of geotechnical engineering in construction, transportation, water conservancy, mining, urban underground space, and other fields. Throughout the longstanding advancement of geotechnical engineering, summarizing and promoting findings are crucial to driving the development of this field. This Special Issue welcomes submissions from all over the world, including but not limited to the following topics: The optimization of geotechnical engineering processes driven by rock mechanics research; Disaster mechanisms and preventive measures during geotechnical engineering construction; Efficient rock-breaking technologies for hard rock formations; Multiphase and multiscale macro- and micro-mechanical behaviors of rock failure; Application and practice of deep learning in geotechnical engineering; Solutions addressing the randomness, fuzziness, and uncertainty of geotechnical engineering parameters; Numerical analysis and simulation techniques in rock mechanics and geotechnical engineering; New equipment, experimental methods, and monitoring technologies for geotechnical engineering.

Guest Editors

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Deadline for manuscript submissions

10 February 2026

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/si/225067

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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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