Special Issue

Latest Advances in Rock Mechanics and Geotechnical Engineering

Message from the Guest Editors

This Issue welcomes original research, case studies, and comprehensive reviews addressing a broad range of topics, including rock characterization, slope stability, underground construction and ground control techniques, tunneling, soil mechanics, deep mining geomechanics, geotechnical challenges in underground mining, and numerical modeling techniques.

We are particularly eager to showcase contributions that bridge the gap between theoretical developments and practical applications, demonstrating the impact of advanced analytical, experimental, and computational approaches on rock mechanics and rock engineering practice. Interdisciplinary studies that integrate mining, geology, materials science, data analytics, advanced sensing technologies, artificial intelligence, and machine learning into geotechnical problem-solving are also of great interest.

This Issue will serve as a platform for researchers, engineers, and industry professionals to share knowledge, exchange ideas, and foster collaborations that push the frontiers of rock mechanics and geotechnical engineering.

Guest Editors

Dr. Hadi Nourizadeh

1. School of Engineering, University of Southern Queensland, Springfield Central, QLD 4300, Australia
2. Centre for Future Materials (CFM), University of Southern Queensland, Toowoomba, QLD 4350, Australia

Dr. Roohollah Shirani Faradonbeh

Western Australian School of Mines: Minerals, Energy and Chemical Engineering, Curtin University, Kalgoorlie, WA 6430, Australia

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About the Journal

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

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, Italy

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