Special Issue

Digging Deeper: Insights and Innovations in Rock Mechanics

Message from the Guest Editors

The characterization and monitoring of rock masses are based on information gathered at different levels. In order to establish a reliable model of a rock mass, geological, geostructural, and geomechanical information are necessary. The development of advanced survey techniques, such as digital photogrammetry, laser scanning, SAR interferometry, and optical and thermal sensing, has supplied powerful instruments in rock mechanics, particularly for the study of rock discontinuities and their role in stability. In parallel, laboratory testing equipment and procedures have greatly improved, allowing for more reliable and extensive investigations of the rock matrix. Moreover, the evolution of numerical modeling methods enables the full exploitation of the acquired data in order to understand and simulate rock mass behavior. This Special Issue aims to collect a broad range of innovative applications of such technologies. [...] For further reading, please follow the link to the Special Issue Website at:
https://www.mdpi.com/journal/geosciences/special_issues/97BKM4EZE7

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Understanding the Earth's origin and its bio-geological evolution, the multiple implications of the geosciences (as a coherentset of interconnected disciplines), and the sociocultural and ethical interdisciplinary approaches, will be crucial for a better understanding of Nature, and also for undertaking scientificallybased political decisions.
We are committed to drive *Geosciences* to a position in which it is recognized for its high-quality, cutting-edge research and scientific influence, and strongly encourage and invite your participation and manuscripts.

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