

Special Issue

Sustainable Development of Rock and Geotechnical Engineering

Message from the Guest Editors

Rock mechanics is the theoretical and applied science of the mechanical behaviour of rock. It is that branch of mechanics concerned with the response of rock to the force fields of its physical environment. Great progress has been achieved in rock mechanics after decades of development, including the test method, experimental setup, numerical modeling method and field monitoring technique. In particular, a number of new challenges have also been frequently encountered as the depth of the rock projects proceeds to a greater depth, such as rockburst, induced earthquake, wallrock large deformation, ground surface subsidence, water and mud inrush. Besides, some new research topics, such as the multi-field coupling (T-H-M-C) of rock, caprock stability, and fault stability become prevailing as the development of geothermal energy, CCUS (carbon capture, utilization and storage). This special issue aims to publish original research and review articles that cover the sustainable development of Rock mechanics and Rock Engineering mentioned above.

Guest Editors

Prof. Dr. Fanzhen Meng

Dr. Zhanguo Xiu

Dr. Feili Wang

Deadline for manuscript submissions

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
geosciences@mdpi.com

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Message from the Editor-in-Chief

Understanding the Earth's origin and its bio-geological evolution, the multiple implications of the geosciences (as a coherent set of interconnected disciplines), and the sociocultural and ethical interdisciplinary approaches, will be crucial for a better understanding of Nature, and also for undertaking scientifically based 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.

Editor-in-Chief

Prof. Dr. Alberto G. Fairén

1. Centro de Astrobiología, CSIC-INTA, Madrid, Spain
2. Department of Astronomy, Cornell University, Ithaca, NY, USA

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