

Special Issue

Rockfall Hazard

Message from the Guest Editors

Rockfall is one of the major hazard phenomena in mountainous and hill environments due to its wide diffusion, its high motion speed, its unpredictability, and consequently, the difficulty of identifying signs of detaching the blocks. However, the limitation of databases related to previous phenomena often makes it impossible to carry out statistical analyses of historical data and requires alternative approaches for estimating the so-called characteristic block. The development of innovative measurement methods aimed at a more effective prediction of the detachment of blocks could lead to a better definition of the characteristic block dimensions. Moreover, these methods could be helpful in developing new monitoring systems. This Special Issue is aimed at collecting all research developments related to rockfall phenomena combining multidisciplinary approaches coming from geology, geomorphology, geomechanics, and numerical modeling in order to develop innovative monitoring techniques and to provide a comprehensive update of the state of the art in this field.

Guest Editors

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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.

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