



## Rockfall Hazard

Guest Editors:

**Prof. Dr. Anna Maria Ferrero**

Department of Earth Sciences,  
University of Turin, 10124 Torino,  
Italy

**Assoc. Prof. Dr. Maria  
Migliazza**

Department of Structural  
Engineering, Construction and  
Soil Mechanics, Polytechnic  
University of Turin, 10129 Torino,  
Italy

**Dr. Sabrina Bonetto**

Earth Sciences Department,  
University of Torino, Via Valperga  
Caluso 35, 10125 Torino, Italy

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### Message from the Guest Editors

Dear Colleagues,

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.

Prof. Dr. Anna Maria Ferrero  
*Guest Editor*





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**Prof. Dr. Jesus Martinez-Frias**

Instituto de Geociencias, IGEO  
(CSIC-UCM), C/ Del Doctor Severo  
Ochoa 7, Edificio  
Entrepabellones 7 y 8, 28040  
Madrid, Spain

## 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.

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*Geosciences* Editorial Office  
MDPI, St. Alban-Anlage 66  
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