Special Issue

Landslide Susceptibility Mapping, Hazard Assessment and Risk Evaluation

Message from the Guest Editor

Landslide susceptibility, hazard, and risk are growing research fields, gaining significance due to the widespread effects of landslides globally. These natural disasters have caused considerable distress to communities in affected regions. The Sendai Framework for Disaster Risk Reduction (DRR) 2015–2030 has highlighted the shift from a disaster management approach to a risk-focused perspective. In light of this, this Special Issue aims to fill a gap in the knowledge by addressing several critical aspects of landslides:
a) **Landslide susceptibility mapping**, utilizing various methods such as heuristic, statistical, machine learning, and deterministic approaches.
b) **Landslide hazard assessment**, which determines the likelihood of landslides impacting a specific area or location within a defined timeframe.
c) **Landslide risk evaluation**, considering the interplay of landslide susceptibility with different triggering factors, exposure (elements at risk), and vulnerability (of those elements at risk). These areas are crucial for enhancing our understanding of landslide behavior and improving disaster preparedness and response strategies.

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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.

Editor-in-Chief

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