

Special Issue

Advances in Landslide Monitoring, Inventory and Susceptibility Mapping

Message from the Guest Editor

It is of great importance to monitor individual landslides threatening human habitats, to study and understand the distribution of them across the landscape, and to be able to predict their spatial and temporal occurrences.

New monitoring and mapping technologies and methods to predict mass wasting events are being rapidly developed. These new technologies and methodological advances often involve remote sensing and may include, but are not limited to, UAS-based high resolution imagery, lidar acquisition, and radar systems, novel techniques in image processing, as well as artificial intelligence and machine learning algorithms.

We welcome any contributions to this Special Issue that advance our knowledge about monitoring individual landslides, aid landslide inventories, and improve the mapping of landslide susceptibility using heuristic, statistical, machine learning, or physical methods.

- landslide monitoring
- landslide inventory
- landslide susceptibility mapping
- remote sensing
- image processing
- heuristic
- machine learning
- physically based methods

Guest Editor

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About the Journal

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. John C. Eichelberger

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