Special Issue

Remote Sensing in Geologic Hazards and Risk Assessment

Message from the Guest Editors

Geologic hazards have presented many engineering geology and geotechnical challenges in the design, building, and maintenance of mountainous infrastructures in recent decades. Multi-sensor, multi-platform, and multi-temporal datasets and techniques can improve the quality and quantity of remotely sensed data, allowing us to better understand the behavior and geomorphic evolution of geologic hazards. However, it has been challenging to successfully develop effective early identification and warning systems for geological hazards. Therefore, carrying out a risk assessment and stability analysis for geologic hazards has important theoretical significance and application value, contributing to the establishment of an early warning system and implementing control measures for geologic hazards. This Special Issue aims to showcase the advances in the application of state-of-the-art remote sensing techniques, numerical modeling approaches, and their combination for the characterization, monitoring, simulation, and risk assessment of geologic hazards in different environments. We look forward to your contributions.

Guest Editors

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Deadline for manuscript submissions

closed (1 December 2024)

Sustainability

an Open Access Journal by MDPI

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CiteScore 7.7

mdpi.com/si/195688

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Editor-in-Chief

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