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Risk Assessment of Landslides Based on Multi-source Data and Machine Learning

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Message from the Guest Editors

Landslides are one of the most common geological disasters and are usually induced by rainfall, earthquakes, and human activities. Today, with the dramatic change in global climate, landslides occur more frequently. In this context, the accurate and efficient completion of landslide risk assessment is of great significance for regional sustainable development, since misjudgment of landslide risks can lead to disastrous consequences.

The risk assessment of landslides involves a lot of research fields. Generally, the evolution mechanism of landslides has always been the key to determining the risk level. Detailed site investigation will help integrate the overall process of landslides effectively. Reliable risk assessment can be linked with the fusion and mining of massive multi-source monitoring data. Machine learning has a strong nonlinear processing ability and has been used in landslide risk assessment by more and more researchers. We are looking forward to relevant studies that are conducive to determining the risk of landslides.

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Message from the Editor-in-Chief

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