



Approaches to Water-induced Landslide Hazard Risk Forecasting and Assessment

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Message from the Guest Editors

Dear Colleagues,

This Special Issue aims to present original research and review articles that present innovative approaches for analyzing stability, predicting failure mechanisms, designing effective stabilization measures, and assessing risks of water-induced landslides. Potential topics include the following:

Multi-source remote sensing for water-induced landslide identification

Laboratory testing methods on soil and rock behaviors related to water-induced landslide

Advances in sensors and monitoring techniques for water-induced landslides

Water-induced landslide susceptibility mapping

Analytical, physical, and numerical techniques in water-induced landslide stability assessment

Physical model testing and numerical simulation of water-induced landslides

Water-induced landslide evolution mechanisms

Artificial intelligence applications in water-induced landslide hazard risk

Development of new early warning criteria for water-induced landslides

Comprehensive risk assessment and hazard evaluation of water-induced landslides





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Message from the Editor-in-Chief

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