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Water-Induced Landslides: Prediction and Control

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Message from the Guest Editors

The topic of this Special Issue, "Water-Induced Landslides: Prediction and Control", will be of great interest for many practical and scientific reasons. In fact, in many countries, landslides represent one of the major natural threats for the security of people, infrastructure, lifelines, and economic activities. Water is a primary cause of landslides, which can occur owing to intense rainfall, snowmelt, changes in groundwater level in slopes, and changes in water level of water reservoirs at the base of natural or artificial slopes, and along coastlines. These triggered factors, along with the properties of the involved soils, considerably affect the mechanical processes that lead to slope failure and the subsequent movements of landslide mass in the post-failure phase. For example, prolonged and extremely-intense rainfall could cause catastrophic and fast movement of rock and soil masses. Therefore, water plays a critical role in the study of landslides and the water–slope interaction should be investigated in detail. [...]

For further reading, please follow the link to the Special Issue Website at:
https://www.mdpi.com/journal/water/special_issues/landslides

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Message from the Editor-in-Chief

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