

Special Issue

Effects of Water on Slope Stability

Message from the Guest Editors

This Special Issue, "Effects of Water on Slope Stability", deals with a topic of great interest for many practical and scientific reasons. Water may cause unstable conditions in slopes, and is a primary cause of landslides. Landslides are globally recognized as one of the most dangerous natural disasters in terms of the safety of people, infrastructure, and economic activities. Landslides 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 triggering factors, as well as the properties of the involved materials, significantly influence the deformation mechanisms leading the slope to failure and the following landslide kinematics. For example, a catastrophic and fast movement of rock and soil masses could be caused after long rainy periods, or an ancient landslide body might be reactivated due to groundwater level oscillations. [...] For further reading, please follow the link to the Special Issue Website at: https://www.mdpi.com/journal/water/special_issues/water_slope_stability

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Deadline for manuscript submissions

closed (22 December 2021)



Water

an Open Access Journal
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Impact Factor 3.0
CiteScore 6.0



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In the context of global changes, the sustainable management of water cycles, going from global and regional water cycles to urban, industrial and agricultural water cycles, plays a very important role on the water resources and on their relationships with food, energy, biodiversity, ecosystem functioning and human health. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications and to propose special issues devoted to new technological and scientific domains and to interdisciplinary approaches of the water cycles. We ensure a critical review process and a quick turnaround between submission and final decision.

Editor-in-Chief

Dr. Jean-Luc PROBST

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