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Slope Stability Monitoring and Evaluation

Guest Editors:

Dr. Shuihua Jiang

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Deadline for manuscript submissions:
closed (15 December 2022)

Message from the Guest Editors

Dear Colleagues,

As a result of the ever-changing climate and frequent engineering activities, slope stability has become an increasingly prominent ecological environment issue that impacts societal development and human safety in recent years. Given the increasing intensity and frequency of extreme weather events and earthquakes, catastrophic natural and engineering disasters (e.g., landslide, rockfall, debris flow) may occur, resulting in huge casualties, economic loss, and ecological damage. Hence, it is crucial to understand issues such as slope deformation processes, slope instability mechanisms, and the influence of climate change and spatial variability on slope stability. This Special Issue aims to promote research on slope stability monitoring and evaluation. We welcome submissions from various disciplines, including but not limited to the following topics:

1)Failure modes and mechanisms of slopes
2)Impact of climate on slope stability
3)Landslide monitoring and early warning systems
4)Probabilistic slope stability assessment
5)Influence of spatial variability on slopes
6)Landslide susceptibility, hazard, and risk evaluation
7)Prevention and control of geological disasters

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Editor-in-Chief

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Message from the Editor-in-Chief

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