

Special Issue

Sustainable Approach for Slope Stabilization against Changes in Climatic Conditions

Message from the Guest Editors

Global warming, exacerbated by human activities, has led to changing weather patterns such as a higher rate of precipitation. Rainfall infiltration has been identified as one of the main triggering factors of landslides in many parts of the world. As unprecedented rainfall intensities are expected in the future, it is important to employ preventive measures for the anticipated possibility of landslides. Various slope reinforcement measures have been proposed by researchers and geotechnical engineers in response to landslides caused by different factors, including the excessive rainfall infiltration. One solution is a sustainable method via green technology, which is an integrated design approach that combines vegetation and engineering design methods to mechanically reinforce slopes, to control erosion, to improve the aesthetics of the environment, to provide visual and noise barriers, and to improve biological diversity. This Special Issue covers different technologies related to sustainable solution for preventing slope against landslides due to changes in climatic conditions.

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