



water



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Stability of Reservoir Bank Slope and Landslides under Hydrodynamic Action

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Deadline for manuscript submissions:

closed (20 January 2024)

Message from the Guest Editors

The stability evaluation and prediction of bank slopes during reservoir water level changes is currently one of the important research fields in engineering geology and hydrogeology. This topic will focus on (but is not limited to) innovative and valuable research results in the stability analysis methods and mechanism research of water-related slopes under hydrodynamic action, including monitoring technology, experimental analysis, numerical analysis, and typical case analysis. This Special Issue aims to collate works focused on the following areas:

- 1) Evaluation of bank slope stability under changes in reservoir water level;
- 2) Hydrodynamic mechanism of rainfall induced landslides;
- 3) Evaluation and prediction of landslide stability related to water;
- 4) Wave propagation law caused by landslides in large reservoirs;
- 5) The influence of wave action on reservoir bank reconstruction;
- 6) The stability of bank slope under the joint action of bridge load and reservoir hydrodynamics of a cross river bridge;
- 7) Stability of excavated slope in mountainous areas under rainfall.



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Special Issue



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Message from the Editor-in-Chief

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.

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