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## Experimental Research, Monitoring and Modeling on Landslide Hazards

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Deadline for manuscript  
submissions:

**closed (30 September 2021)**

### Message from the Guest Editor

Landslide hazard prevention/mitigation is one of the main topics in the research field of landslides, and it is closely related to the theme of safety of territory, manufacture, and people. A distinction has to be introduced between local landslides that involve large volumes of soil of single slopes in well-known areas and rain-induced shallow landslides that are characterized by rapid triggers and unknown evolution and which can occur anywhere.

Due to their high distribution, rain-induced landslides have a high probability of creating a risk to people and manufacture, so their prevention is particularly relevant. Safeguarding systems can be ideally grouped into: active and passive protection systems that act, respectively, to prevent the trigger or to protect from impacts after a landslide has been triggered.

In this Special Issue, we want to explore recent advances in landslide monitoring and modeling, both in general terms and with attention to shallow rainfall-induced landslides, based on laboratory experiments, field investigations, and physical models. Moreover, papers on landslide risk mitigation and soil reinforcement through plants' root mechanisms are welcome.



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# Special Issue



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## Message from the Editor-in-Chief

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