

Special Issue

Preventing Geohazard Effects on Constructions, a Focus on the Up-to-Date Mitigation Measures

Message from the Guest Editors

Facing geohazards is a daily challenge, and increasing the understanding of the involved mechanisms is the first step towards disaster prevention. These events have consequences on the safety of people and constructions, with an impact on the economic and social systems. This Special Issue focuses on mitigation solutions for geohazards within the context of earthquakes, river floods and land subsidence, debris movements and sinkholes, soil erosion, coastal erosion, and rise in sea levels. More emphasis is given to civil infrastructures such as bridges, lifelines, embankments, dikes, foundations, and tunnels. Real-field monitoring, laboratory tests, and numerical simulations can be used as supporting tools for the description of the reference context and the performance of the adopted mitigation systems. Risk assessment, evaluation of the damage scenarios, multi-hazard analyses, risk and vulnerability reduction, resilience, disaster response and reconstruction, and exposure are all welcome topics. For more information, please view the following link: https://www.mdpi.com/journal/geohazards/special_issues/geohazards_effects.

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