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Innovative Monitoring Techniques and Modeling Approaches for Natural Hazards

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Message from the Guest Editor

Natural hazards are common worldwide and, more often that, cause catastrophic consequences including considerable deaths and economic losses. Given that many people and environments suffer from these hazards every year, these events are receiving increasing attention and investigation from both the science community and local authorities. Hazards can originate in different sources and systems, such as geological, atmospheric, hydrological, oceanographic, volcanological, and seismic; therefore, it is important to monitor and model them with the aim of reducing and mitigating the risk.

The aim of this Special Issue is to provide an outlet for studies that propose and develop innovative monitoring techniques and modeling approaches for natural hazards. We encourage submissions regarding the following fields: field investigation and monitoring; early-warning systems; multiple-hazard modelling and assessment; numerical simulation; GIS-based risk assessment; and hazard prediction.









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