



Geo-Hydrological Hazards Assessment and Monitoring for Resilient Society Using SAR Remote Sensing Techniques

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Message from the Guest Editors

Synthetic Aperture Radar (SAR) has been largely and fruitfully exploited in natural sciences and in particular for geo-hydrogeological hazard monitoring and assessment. It is able to provide a cost-effective wide area monitoring, systematic and high-quality information on the spatial and temporal pattern of these ground deformation phenomena and also monitoring possibilities over areas hindered by environmental conditions.

The main goal of this Special Issue is to present and share advanced methodologies for geo-hydrogeological hazard monitoring and assessment, also by coping with the impact of climate change, by using spaceborne SAR remote sensing, with particular reference to preserve the environmental value making a smart and resilient society.

Articles may address, but are not limited, to the following topics:

Spaceborne SAR remote sensing for geo-hydrogeological hazard monitoring; Data application with new spaceborne SAR missions; Multi-mission SAR products; Tracking subsidence evolution; Mass movement detection and mapping; Landslide hazard and risk assessments; Slope failure monitoring and multi-temporal analysis; Climate change effects on the occurrence of landslides.





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Message from the Editor-in-Chief

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