Special Issue

Monitoring and Modelling of Geological Disasters Based on InSAR Observations

Message from the Guest Editors

The process of geological disasters often result in surface deformation at different scales. Synthetic aperture radar interferometry (InSAR), a powerful technique for deformation monitoring, provides an important means to monitor the geological disaster, to assist its simulation and mechanism interpretation and to support early warnings. Recent advances of InSAR further enlarge its capability for geological disaster monitoring and modeling. New advances will facilitate InSAR applications and offer new possibilities for geohazard investigation, monitoring, early warning and assessment. This Special Issue aims at publishing studies covering different applications of InSAR observations from different aspects for monitoring and modelling of geological disasters. Multi-source data integration (e.g., InSAR, GNSS, and ground sensors), advanced InSAR approaches, geological disaster modeling and other relative issues, are all welcome. Articles may address, but are not limited, to the following topics:

- Multisource monitoring data integration;
- Geo-hazard detection;
- Disaster catalog compilation;
- Parameter inversion;
- Innovative InSAR applications;
- Advanced InSAR algorithms.

Guest Editors

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Deadline for manuscript submissions

closed (31 July 2022)

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 8.6

mdpi.com/si/107082

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Message from the Editor-in-Chief

Remote Sensing is now a prominent international journal of repute in the world of remote sensing and spatial sciences, as a pioneer and pathfinder in open access format. It has highly accomplished global remote sensing scientists on the editorial board and a dedicated team of associate editors. The journal emphasizes quality and novelty and has a rigorous peer-review process. It is now one of the top remote sensing journals with a significant Impact Factor, and a goal to become the best journal in remote sensing in the coming years. I strongly recommend *Remote Sensing* for your best research publications for a fast dissemination of your research.

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