Special Issue

Remote Sensing and GIS for Geological Hazards Assessment

Message from the Guest Editors

This Special Issue aims to provide an overview and share state-of-the-art and scientific knowledge in recent research and applications in RS and GIS for geological hazard assessment. The topics include new concepts, models, technologies, and recent case studies using GIS and RS techniques to study monitoring, mapping, risk evaluation, and assessment of geological hazards, as well as their disaster chains. Themes of interest comprise (but are not limited to) the following potential topics:

- Applications of new Earth observation products, non-contacting technologies for identifying and detecting geological hazards;
- Advances in geological hazard risk assessment models boosted by machine learning;
- Geological hazard assessment methods coupling RS and GIS;
- GIS-based numerical simulation for reproducing geological processes and delineation of hazard extent;
- Latest practical uses for remote sensing and geographic information systems (GIS) for geological hazard assessment.

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In the context of global changes, the sustainable management of water cycles, going from global and regional water cycles to urban, industrial and agricultural water cycles, plays a very important role on the water resources and on their relationships with food, energy, biodiversity, ecosystem functioning and human health. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications and to propose special issues devoted to new technological and scientific domains and to interdisciplinary approaches of the water cycles. We ensure a critical review process and a quick turnaround between submission and final decision.

Editor-in-Chief

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