



## Application of Remote Sensing Technology to Reduce the Risk of Geological Disaster on Human Life

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### Message from the Guest Editors

Geological processes create wonderful landscapes and impressive phenomena that attract people, but at the same time, they can be destructive and deadly. Some of them also impact high-density populated areas, forcing the inhabitants to find ways to mitigate the associated hazards.

The analysis of geomorphological processes is strongly supported by remote-sensing data such as high-resolution optical images, digital terrain models derived from laser or photogrammetric data (including satellite), change detection obtained from radar data, or from ground displacements measured using the InSAR technique.

This Special Issue will host contributions that give an updated overview of the progress in remote-sensing applications to geohazard detection and mitigation. We welcome contributions concerning:

Landslides and subsidence mapping and susceptibility assessment;

Volcano dynamics (e.g., unrest, eruption cycle, and volcano slope instabilities);

Man-made activity monitoring (mine activity, dam stability, oil and gas production, or underground water extraction);

Co- and post-seismic ground motion;

Tectonic deformation.





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## Message from the Editor-in-Chief

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