



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

Guest Editors:

Dr. Alessandro Bonforte

Istituto Nazionale di Geofisica e
Vulcanologia - Osservatorio
Etneo, 95125 Catania, Italy

Dr. Federico Di Traglia

Istituto Nazionale di Geofisica e
Vulcanologia, Osservatorio
Vesuviano, Sezione di Napoli,
95125 Catania, Italy

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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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Center (WGSC), 2255, N. Gemini
Dr., Flagstaff, AZ 86001, USA

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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Remote Sensing Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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