Special Issue

Applications of Remote Sensing Technology in Volcano Hazard Monitoring

Message from the Guest Editors

This Special Issue aims to show the progress of remote sensing applications in volcanological monitoring, hazard quantification, and risk mitigation. We also would like to encourage debates on how different remote sensing techniques can be synergically used to achieve the best possible investigation of volcanic processes. This Special Issue welcomes academic articles about the applications of remote sensing systems aimed at discussing frontier application, and the developments of different remote sensing techniques and platforms in various branches of volcanology. This Special Issue invites contributions that enhance the understanding of eruptive dynamics, the estimation of the main eruptive parameters, and the associated hazards. The topics mainly include but are not limited to the following themes and techniques:

- Data analysis of ground-based and satellite remote sensing systems;
- Optical and TIR sensors;
- UAS (unmanned aerial system) data analysis;
- Analysis and monitoring of volcanic phenomena;
- Morpho-structural analysis;
- Integration of multiple sensor types;
- Geological mapping;
- Geomorphology;
- Volcano-tectonics.

Guest Editors

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About the Journal

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.

Editor-in-Chief

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