Special Issue

Multi-Sensor Detecting, Monitoring, and Modelling of Volcanic Activity

Message from the Guest Editors

Space-based sensors dramatically increase our ability to observe also volcanoes for which no instrumental data from any in-situ sensor exist as well as, today, well-monitored sites allow base-lines of several decades to be built. Today, in-orbit data are increasingly convolved with ground-based geophysical and geochemical data to better constrain volcanic processes and provide robust monitoring solutions and use as source terms for modelling and inversion. The aim of this Special Issue is to assess the state of the art for multi-parametric techniques adopted to apply remotely sensed data to detect volcanic anomalies and monitor, model and understand volcanic processes. Research articles, review articles and letters on methods, sensors, results, models on volcanoes on the Earth and events in the solar system will be welcome.

- passive (visible and thermal infrared) remote sensing
- active (radar) remote sensing
- eruption precursors
- unrest and base lines
- monitoring
- ash plumes
- gas clouds
- effusive eruptions

Guest Editors

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Deadline for manuscript submissions

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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.

Editor-in-Chief

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