Special Issue

Volcano Thermal Activity Monitoring Using Remote Sensing

Message from the Guest Editors

It is known that temperatures of thermal anomalies are characteristic of various phases of volcanic activity. In general, low temperature relates to the phase of fumarole activity (the state of relative dormancy of the volcano), while medium and high temperatures indicate the arrival of magmatic matter at the Earth's surface. The average temperature of the anomaly indicates the phase of preparation for the eruption of basaltic volcanoes, or the real extrusive–effusive eruption of andesitic volcanoes. High-temperature anomalies suggest an impending real explosive eruption, or an effusive eruption of a basalt volcano or an andesitic volcano.

This Special Issue is devoted to: (a) monitoring the thermal activity of individual volcanoes or groups of volcanoes; (b) the analysis of the thermal activity of individual volcanoes or groups of volcanoes during one eruption or over a period of time; (c) the analysis of the thermal features of various types of eruptions, etc. The analysis of the thermal activity of volcanoes can be performed using various methods and technologies, including video surveillance and satellite remote sensing, among others.

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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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