

## Special Issue

# Monitoring and Modeling Volcanic Deformation

### Message from the Guest Editor

When and where might a volcano erupt? How big will the eruption be? What will happen at surface after eruption? These are some of the most important questions that scientists investigating volcanic deformation try to address. A variety of monitoring techniques, ranging from seismology to geodetic methods, have been used around active volcanoes worldwide to collect data that provide warnings of volcano unrest, ultimately helping forecast volcanic eruptions. Furthermore, recent advances in remote sensing techniques and modeling of volcano magma plumbing have opened up new opportunities to understand spatial and temporal patterns of magma migration at volcanoes. Finally, analogue and numerical modelling give us valuable insights into internal and surficial deformation. This Special Issue aims to collect contributions from studies of volcano deformation processes to understand pre-, during and post-eruption volcano behavior. A broad perspective that spans from divergent boundaries to subduction zone and hotspot magmatism is considered.

### Guest Editor

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### Deadline for manuscript submissions

closed (30 August 2020)



## Applied Sciences

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### Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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### Editor-in-Chief

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