Special Issue

Remote Sensing of Geothermal and Volcanic Environments

Message from the Guest Editors

Depending on the scale of expected or observed phenomena of a given active volcanic or geothermal area, many varied observations of their evolution may be useful in understanding any possible changes in their background state of activity or sudden unexpected extreme manifestations, which are difficult to record on site. Sometimes, such areas may actually be unreachable for direct human surveys due to remoteness from civilization or hazardousness for researchers. The proposed Special Issue will focus on techniques, methods, datasets, and results arising from remote sensing, with acquisition ranging from terrestrial, UAV, or airborne sensors to satellite data. Examples of potential contributions include—but are not limited to—the following:

- Mapping of thermal anomalies;
- Aerophotogrammetric reconstructions and volumes assessments;
- Structural mapping or 3D reconstruction of morphology;
- Gas column mapping;
- Paroxysmal explosions and pressure blasts observations;
- Lava flow fields evolution;
- Geothermal and geochemical monitoring of active areas.

Guest Editors

Dr. Enrica Marotta

Istituto Nazionale di Geofisica e Vulcanologia, Osservatorio Vesuviano, 80124 Napoli, Italy

Dr. Annamaria Vicari

Istituto Nazionale di Geofisica e Vulcanologia, Sezione Irpinia—C. da Ciavolone, 83035 Grottaminarda, AV, Italy

Deadline for manuscript submissions

closed (10 October 2024)

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 8.6

mdpi.com/si/116687

Remote Sensing
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
remotesensing@mdpi.com

mdpi.com/journal/remotesensing

MDPI

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 8.6

mdpi.com/journal/remotesensing

About the Journal

Message from the Editorial Board

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.

Editors-in-Chief

Dr. Prasad S. Thenkabail
Senior Scientist (ST), U. S. Geological Survey (USGS), USGS Western Geographic Science Center (WGSC), 2255, N. Gemini Dr., Flagstaff, AZ 86001, USA

Prof. Dr. Dongdong Wang
Institute of Remote Sensing and Geographic Information Systems, Peking University, Beijing, China

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, PubAg, GeoRef, Astrophysics Data System, Inspec, dblp, and other databases.

Journal Rank:

JCR - Q1 (Geosciences, Multidisciplinary) / CiteScore - Q1 (General Earth and Planetary Sciences)

MDPI