Special Issue

Satellite Remote Sensing of High-Temperature Thermal Anomalies

Message from the Guest Editors

High-temperature thermal sources are of great interest to the scientific community. Active magmatic surfaces, geothermal fields, forest fires, industrial hot spots and gas flaring emit more heat than their surroundings, generating thermal anomalies that may be investigated by means of satellite sensors operating in the infrared electromagnetic spectrum. This Special Issue aims at evaluating advances in detecting, monitoring and characterizing high-temperature thermal anomalies from space. It should increase our capacity to study and understand those features and their sources. The guest editors encourage the submission of manuscripts with particular reference to the:

- Use of novel satellite remote sensing techniques for analyzing high-temperature thermal anomalies (e.g. improved hot spot products)
- Use of data from new generation satellite sensors (offering improved features in terms of spatial, spectral and temporal resolution);
- Multi-sensor data fusion (e.g. thermal, microwave);
- Uncertainty analysis related to the remote sensing of high-temperature anomalies (time series analyses, influence of processing assumptions).

Guest Editors

Dr. Francesco Marchese

Dr. Nicola Genzano

Dr. Klemen Zakšek

Dr. Carolina Filizzola

Deadline for manuscript submissions

closed (30 June 2020)

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 8.6

mdpi.com/si/19045

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

mdpi.com/journal/remotesensing

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 8.6

mdpi.com/journal/remotesensing

MDPI

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

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

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)