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Satellite Remote Sensing of High-Temperature Thermal Anomalies

Guest Editors:

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Deadline for manuscript submissions:
closed (30 June 2020)

Message from the Guest Editors

Dear Colleagues,

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).

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Editor-in-Chief

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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.

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