remote sensing

IMPACT FACTOR 4.2

CITESCORE 8.3

an Open Access Journal by MDPI

Remote Sensing of Biomass Burning

Guest Editors:

Dr. Xiaoyang Zhang
Geospatial Sciences Center of Excellence, South Dakota State University, Brookings, SD 57007, USA

Dr. Shobha Kondragunta
NOAA/NESDIS Center for Satellite Applications and Research, 5825 University Research Court, College Park, MD, USA

Deadline for manuscript submissions:
closed (30 April 2020)

Message from the Guest Editors

Biomass burning in wildfires and prescribed fires is the combustion of organic matter, releasing energy stored by photosynthesis and generating trace gases including water vapor and smoke particles. This Special Issue aims to collect articles concerning new developments and methodologies, best practices and applications of remote sensing in fire detections, biomass burning estimates, and air quality monitoring. We invite you to submit your most recent advancements on all relevant aspects of biomass burning remote sensing using observations from Landsat, Sentinel-2, MODIS, VIIRS, and geostationary satellites, including, but not limited to, the following topics:

- Active fire detections and burned area estimates
- Biomass burning emissions at local and global scales
- Evaluation and validation of the estimation of biomass burning
- Application of biomass burning emissions for air quality monitoring and forecasting
- Comparison of biomass burning monitoring from different satellite sensors.

remote sensing

IMPACT FACTOR 4.2

CITESCORE 8.3

an Open Access Journal by MDPI

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

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.

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)

Contact Us

Remote Sensing Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/remotesensing
remotesensing@mdpi.com
𝕏@RemoteSens_MDPI