Special Issue

Advances in Remote Sensing of Fire and Emergency Management

Message from the Guest Editor

The increasing risk of wildfire resulting from climate change has demanded an increase in information to support mitigation, response, and recovery activities by fire management agencies. Climate change has increased the risk of fires in nature, necessitating more efforts in emergency management. Forest fires are among the most devastating natural disasters, affecting millions of people and ecosystems worldwide. Remote sensing is a powerful tool for preventing, managing, and mitigating the effects of forest fires, and it is extremely useful in forest fire management. Remote sensing can be used to detect fires, monitor interventions, and for post-fire monitoring. Remote sensing can also provide information on the occurrence, extent, intensity, and severity of fires, as well as post-fire consequences such as vegetation recovery, soil erosion, and carbon emissions. Identifying these elements can help local governments in better management. This Special Issue aims to collect manuscripts that highlight recent progress and advances of remote sensing-based approaches to improve understanding of fire and emergency management.

Guest Editor

Prof. Dr. Ágoston Restás
Institute of Disaster Management, University of Public Service, H-1083 Budapest, Hungary

Deadline for manuscript submissions

closed (20 April 2024)

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 8.6

mdpi.com/si/177605

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

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)