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Remote Sensing of Wildfires under Climate Change

Guest Editors:

Dr. Thomas Katagis

Department of Forestry and
Management of Environment and
Natural Resources, Democritus
University of Thrace, 68200
Orestiada, Greece

Dr. Dimitris Stavrakoudis

Laboratory of Forest
Management and Remote
Sensing, School of Forestry and
Natural Environment, Aristotle
University of Thessaloniki, P.O.
Box 248, 54124 Thessaloniki,
Greece

Dr. Ioannis Gitas

Lab of Forest Management and
Remote Sensing, Aristotle
University of Thessaloniki, 54124
Thessaloniki, Greece

Deadline for manuscript
submissions:

closed (10 March 2024)

Message from the Guest Editors

In this Special Issue, we invite scientific contributions to the exploitation of new and/or advanced remote sensing and geospatial methods in fire-related research at local to global scale. The specific topics include:

- The exploitation of Earth Observation continuity/synergy missions for fire monitoring: from MODIS to VIIRS and Sentinel-3 and from Landsat to Sentinel-2
- New algorithms for burned area mapping, focusing on data fusion approaches
- Monitoring and modeling vegetation recovery after fire disturbance
- Characterizing fire behavior and fire regimes under different climatic projections
- Investigation of interactions between climate, fire occurrence, and human interventions
- Exploiting Big Data platforms and cloud computing for monitoring fire activity at a regional to global scale
- Validation and evaluation of global fire products generated by international initiatives
- Remote sensing products in support of wildfire mitigation policies' designing and/or adaptation
- New approaches in modeling risk and designing prevention measures in sensitive wildland-urban interface (WUI) areas



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Special Issue



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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

Message from the Editorial Board

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Contact Us

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

Tel: +41 61 683 77 34
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