Special Issue

Applications and Opportunities of Remote Sensing in Fire Ecology

Message from the Guest Editors

Wildfires and particularly extreme events, such as mega-fires, have increased dramatically during the last decades, both in terms of frequency and magnitude. Such phenomena represent dangerous natural hazards with transboundary and devastating aftermaths. Understanding wildfire dynamics, including its risks, spatiotemporal propagation, and effects is important for studying its ecological footprint.

Therefore, this Special Issue titled “Applications of Remote Sensing in Fire Ecology” is focused on coordinated and collaborative research efforts as an urgent priority, which are required at the European and worldwide levels in order to provide a powerful means for studying these phenomena, improving fire predictability, and mitigating short- and long-term consequences. Examples of applications to be considered range from fuel mapping, fire risk mapping, fire and smoke detection and propagation estimation, burned area estimation, and post-fire vegetation recovery monitoring.

Guest Editors

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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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