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Remote Sensing Applications for Wildland Urban Interfaces (WUI) Fire

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Message from the Guest Editors

Wildfires are one of the most important ecological factors worldwide and are recognized as a key driver for many ecosystems. The expansion of urban settlements into rural and forest areas has led to the creation of landscapes where fires can occur and recur, frequently encroaching on cities. For example, recent newspapers have reported that northern areas of Europe (e.g., Scandinavia and Siberia) are experiencing extraordinary WUI wildfires.

In this regard, remote sensing represents a cost-effective tool for the study of a large number of fire-related processes. Multispectral satellite sensors and active remote sensors (such as LiDAR), have been used to understand how forests recover and post-fire modifications in relation to burn severity. In addition, increasing computational power, has allowed for the development of wildfire event predictive models in terms of occurrence and frequency.

This Special Issue of Remote Sensing hosts studies focusing on the fire and post-fire dynamics in WUIs. The papers will attempt to integrate multi-sensor remote sensing technology and derived products in a streamlined spatial and temporal framework.

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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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