Special Issue

Advances in Spectral Imagery and Methods for Fire and Smoke Detection

Message from the Guest Editor

The increasing frequency and intensity of wildfires globally have underscored the critical need for advanced detection and monitoring systems. This Special Issue aims to highlight the latest scientific advancements in the field of early fire and smoke detection, emphasizing the importance of innovative methodologies and technologies in mitigating the devastating impacts of wildfires and the climate change-accelerating impacts of aerosols.

This Special Issue seeks to bring together the current state of knowledge on spectral imagery (e.g., multi- and hyperspectral imagery) and its applications in fire and smoke detection. By aligning with the journal's scope of promoting interdisciplinary research in remote sensing and environmental monitoring, this issue will provide a platform for showcasing rigorous novel approaches that provide solutions to current challenges. The goal of this issue is to foster collaboration among researchers, practitioners, policymakers, and, ultimately, end-users to enhance our collective understanding and capabilities in wildfire and aerosol management.

Guest Editor

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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.

Editor-in-Chief

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