

Special Issue

Advances in Remote Sensing for Burned Area Mapping

Message from the Guest Editors

This Special Issue integrates traditional detection approaches with geospatial analyses and thematic mapping, focusing on post-fire consequences such as fire severity, fire regime, biomass loss, hydrogeological alterations, microclimatic variations, landscape changes, and human-related consequences—including health risks, infrastructure damage, and degraded ecosystem services—which are essential for a comprehensive understanding of fire-induced ecological and socio-economic impacts. Studies employing multi-scale, multi-sensor—including passive (multispectral, hyperspectral, thermal) and active (SAR, LiDAR) data—multi-platform (satellite, airborne, UAV, proximal sensors) remote sensing are encouraged to enhance spectral and structural details. This also encompasses approaches entailing geo-statistical, geo-informatic, geomatic, and geographical information systems (GISs), spectral mixture analysis, 3D modeling and up-to-date modeling/processing algorithms.

Guest Editors

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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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