

Special Issue

Remote Sensing of Burnt Area

Message from the Guest Editors

During the last few decades ecosystems worldwide have been seriously affected by large wildfires, which significantly contribute to biogeochemical cycles and affect the composition and functioning of the global atmosphere. Recently, various approaches and algorithms have been developed with the use of remote sensing data to estimate and monitor several factors and indicators like burnt areas, burn severity, and post-fire dynamics in the different ecosystems. Progress in computer technology, machine learning, big data processing, artificial intelligence, and availability of high resolution images provides new possibilities to support and improve monitoring of the burnt areas.

- New methods and strategies for wildland fires prevention and monitoring
- Big data for monitoring and mapping of burnt areas
- Advances in remote sensing of burnt areas mapping
- Data integration for ecosystems' post fire management and mitigation
- Mapping and monitoring of management practices on burnt lands
- Post-fire vegetation regeneration

Guest Editors

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Deadline for manuscript submissions

closed (15 February 2022)



Remote Sensing

an Open Access Journal
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Impact Factor 4.2
CiteScore 8.3



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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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