



Remote Sensing of Burnt Area

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Message from the Guest Editors

Dear Colleagues,

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





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Message from the Editor-in-Chief

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