Special Issue

Forest Disturbance Monitoring with Optical Satellite Imagery

Message from the Guest Editors

Optical satellite remote sensing provides an invaluable platform for observing forest dynamics over large spatial and temporal scales. High-resolution imagery, coupled with advanced image processing techniques, enables the detection, mapping, and quantification of various forest disturbances, including changes in forest cover, biomass, and species composition.

This Special Issue aims to advance the scientific understanding of forest disturbance dynamics through the innovative application of (new) optical satellite images and advanced image processing techniques. Specifically, we seek to showcase cutting-edge research highlighting the latest advancements in the detection, mapping, and quantification of various forest disturbances but also the demonstration of robust methodologies with the development and evaluation of novel algorithms and techniques applied to forest disturbance monitoring. Links with applications and final uses are also encouraged to better understand the ecological and socio-economic impacts of forest disturbances, including changes in forest cover, biodiversity, carbon stocks, and ecosystem services.

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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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