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Remote Sensing Applications for Forest Ecosystem Monitoring and Spatial Modeling

Guest Editors:

Dr. Jan Komarek

Dr. Marlena Kycko

Prof. Dr. Iñigo Molina

Deadline for manuscript submissions:
24 August 2024

Message from the Guest Editors

Dear Colleagues,

Forests, covering almost a third of terrestrial land cover surface, represent one of the most sophisticated ecosystems. They provide countless ecosystem services, potentially mitigating the ongoing climate change. However, those services suffer from the increasing anthropogenic pressure and forest disturbances. To properly evaluate the effects, scientists worldwide work to improve their abilities to monitor forest ecosystems and their change. Outside the forests, networks of small landscape elements (grove, hedgerow, tree avenue, agroforestry, urban greenery etc.) are not only of high importance for biodiversity conservation and restoration but also contribute to the quality of our cultural landscapes.

The issue aims at studies covering different uses of different sensors and platforms in forest and landscape sciences. Articles may address, but are not limited, to the following topics:

- Tree and vegetation inventory
- Vegetation structural characteristics
- Land cover and landscape change
- Biotic and abiotic disturbances
- Phenological vegetation traits and trends
- (Micro)climate variables derivation
- Surface and terrain analysis
- Long-term monitoring

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Special Issue

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Editor-in-Chief

Dr. Prasad S. Thenkabail
Senior Scientist (ST), U. S. Geological Survey (USGS), USGS Western Geographic Science Center (WGSC), 2255, N. Gemini Dr., Flagstaff, AZ 86001, USA

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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Contact Us

Remote Sensing Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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mdpi.com/journal/remotesensing
remotesensing@mdpi.com
𝕏@RemoteSens_MDPI