Special Issue

Remote Sensing and Time-Series Analysis to Track Ecosystem Transitions

Message from the Guest Editors

Ecosystems are constantly transforming due to natural and anthropogenic factors, including climate change, land-use changes, and pressure on water and forest resources. This Special Issue aims to discuss innovative research on the use of remote sensing, machine learning, and time-series analysis to monitor changes in the structure, function, and dynamics of ecosystems. The focus is on ecological connectivity, environmental degradation, ecological restoration, and ecosystem resilience in the face of global change. Contributions are welcome that address both green areas (forests, grasslands, agroecosystems) and blue areas (rivers, lakes, wetlands, coastal zones). Research areas may include (but are not limited to) the following:

- Ecosystem dynamics;
- Landscape fragmentation;
- Extreme events;
- Adaptive management strategies;
- Monitoring ecosystem transitions;
- Impact of climate change and human activities;
- Ecological restoration and resilience;
- Remote sensing methodologies (satellite imagery, LiDAR, UAVs);
- Predictive modeling and machine learning.

Guest Editors

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Deadline for manuscript submissions

30 August 2025

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 8.6

mdpi.com/si/232171

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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.

Editor-in-Chief

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