

Special Issue

Remote Sensing of Forests, Grasslands, and Lakes and Their Interactions

Message from the Guest Editors

Topics of interest for this special issue include, but are not limited to, the following:

- Remote sensing of forest–grassland ecotones, riparian zones, and lake–land transition belts;
- Spatiotemporal dynamics of vegetation structure, biomass, productivity, and phenology in forest–grassland–lake mosaics;
- Ecohydrological connectivity and water balance monitoring;
- Lake dynamics and limnological indicators from remote sensing;
- Disturbance and resilience across connected ecosystems (fire, drought, grazing, invasive species, nutrient loading, and land-use change);
- Carbon, energy, and ecosystem function assessments using multi-sensor observations and derived products;
- Multi-sensor/multi-platform data fusion (satellite–UAV–airborne–in situ integration) for cross-scale monitoring;
- AI and machine learning approaches for automated mapping, forecasting, early warning, and uncertainty quantification;
- Assimilation of remote sensing into ecohydrological and ecosystem process models, and coupling with decision-support frameworks;
- Applications supporting watershed management, biodiversity conservation, protected area planning, restoration prioritization, and climate adaptation strategies.

Guest Editors

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Message from the Editorial Board

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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