

Special Issue

Land Degradation and Land Productivity Assessment Using Remote Sensing

Message from the Guest Editors

We invite papers related to, but not limited to the following topics:

- Development of high-resolution satellite imagery and machine learning algorithms for the improved detection and mapping of soil degradation;
- Use of unmanned aerial vehicles (UAVs) for rapid and cost-effective soil degradation assessment;
- Integration of multispectral; radar; and thermal data from satellite sensors for more comprehensive soil degradation monitoring;
- Evaluation of the effectiveness of different vegetation indices and soil moisture algorithms in detecting soil degradation;
- Assessment of the impacts of climate change on soil degradation and the potential for remote sensing to aid in adaptation efforts;
- Examination of the use of remote sensing data in conjunction with ground-based measurements for more accurate soil degradation assessment;
- Development of real-time monitoring systems for early warning of soil degradation events;
- Investigation of the potential for remote sensing to aid in the assessment and rehabilitation of degraded soils;
- Comparison of different remote sensing platforms and sensors for soil degradation monitoring;

Guest Editors

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Deadline for manuscript submissions

closed (21 June 2024)



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About the Journal

Message from the Editor-in-Chief

Land is the only open access journal covering all aspects of land science, and it is a pioneering platform for publishing on land system science. Our editorial board is comprised of eminent scholars. We publish high quality research on societally relevant, emerging and innovative topics and results in land system research. It is now one of the top land journals with a significant impact factor, and has a goal to become the best journal in land in the coming years. I strongly recommend *Land* for your best research publications for a fast dissemination of your research.

Editor-in-Chief

Prof. Dr. Christine Fürst

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