

Special Issue

Advances in Detecting and Understanding Land Surface Phenology

Message from the Guest Editors

Land surface phenology (LSP) quantifies the seasonal dynamics of vegetated land surfaces in satellite pixels using remote sensing data. As phenological variations have strong impacts on ecosystems (e.g., productivity, carbon and water cycles, and interactions among species) and human health (e.g., allergenic pollen exposure), LSP has been largely investigated at local to global scales in recent decades. Specifically, we are inviting submissions on topics including, but not limited to:

- New algorithms and remote sensors for LSP detection;
- Multi-sensor data fusion techniques for LSP detection;
- LSP dynamics responding to climate and land surface changes;
- Spatial patterns and drivers of LSP variations across spatial scales;
- Ground-based validation and cross-scale comparisons of LSP;
- Near-real-time monitoring of LSP and its applications (e.g., agriculture and forestry management).

Guest Editors

Dr. Jianmin Wang

Dr. Xiaoyang Zhang

Dr. Yuxia Liu

Deadline for manuscript submissions

31 December 2025



Remote Sensing

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 8.6



mdpi.com/si/122432

Remote Sensing
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
remotesensing@mdpi.com

[mdpi.com/journal/
remotesensing](https://mdpi.com/journal/remotesensing)





Remote Sensing

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 8.6



[mdpi.com/journal/
remotesensing](https://mdpi.com/journal/remotesensing)



About the Journal

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

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

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, PubAg, GeoRef, Astrophysics Data System, Inspec, dblp, and other databases.

Journal Rank:

JCR - Q1 (Geosciences, Multidisciplinary) / CiteScore - Q1 (General Earth and Planetary Sciences)