Special Issue

Using Earth Observation Data to Monitor Deforestation and Forest Degradation to Ensure Compliance with Regulatory Frameworks

Message from the Guest Editors

This Special Issue explores the role of EO in supporting compliance with regulatory frameworks such as the EUDR (EU Regulation on Deforestation-free Products) and voluntary zero-deforestation commitments. Contributions will examine innovative EO methodologies, such as GeoAl, machine learning-based land-cover classification, land-use and commodity mapping, radar and optical data fusion, automated deforestation, and forest degradation alerts. Additionally, case studies may highlight applications in supply chain traceability, law enforcement, and for sustainability reporting. This Special Issue will also address the challenges of EO-based compliance monitoring, including data availability, accuracy, and integration with ground-based verification.. Original research papers, reviews, and commentaries with a focus on deforestation and forest degradation driven by agricultural expansion or commodities with relevance to the FUDR and zero-deforestation initiatives are invited. Time series analysis techniques that assess the timing and duration for deforestation and forest degradation as a result of agricultural activities, as well as timber extraction, are further encouraged.

Guest Editors

- Dr. Melvin Lippe Dr. Margret Köthke
- Dr. Ramon Felipe Bicudo Silva
- Dr. Arief Wijaya

Deadline for manuscript submissions 28 October 2025



an Open Access Journal by MDPI

Impact Factor 4.1 CiteScore 8.6



mdpi.com/si/238072

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

mdpi.com/journal/ remotesensing





an Open Access Journal by MDPI

Impact Factor 4.1 CiteScore 8.6



MDPI

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 peerreview 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)