Special Issue

Remote Sensing Applications in Land Cover Changes and Associated Environmental Effects: Progress, Challenges, and Opportunities (Second Edition)

Message from the Guest Editors

This Special Issue of *Remote Sensing*, entitled "Remote Sensing Applications in Land Cover Changes and Associated Environmental Effects: Progress, Challenges, and Opportunities (Second Edition)," seeks to collate the latest research advances in remote sensing technologies and analytical approaches for investigating land use and land cover change. We invite contributions that employ state-of-the-art remote sensing techniques, including machine learning and other artificial intelligence methods, to elucidate the impacts of human activities and climate change. Topics of interest include, but are not limited to, the following:

- Land cover changes in forests, grasslands, urban areas, croplands, and wetlands;
- Vegetation degradation, greening, and their underlying drivers;
- Multisource data fusion for enhanced land cover change analysis;
- Impacts of urbanization on the environment and climate;
- Effects of human activities and climate change on land cover;
- Application of artificial intelligence in land use and land cover change analysis.

Guest Editors

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Deadline for manuscript submissions

31 March 2026

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.

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