Special Issue

Advances in Estimating Aboveground Biomass Based on Multi-source Remote Sensing Data

Message from the Guest Editors

Above-ground biomass（AGB) is a critical proxy for productivity and the most dynamic terrestrial carbon pool. The accurate determination of AGB is critical in monitoring plants' growth and assessing terrestrial carbon budgets. Remote sensing provides the most practical and effective approach for estimating AGB from a local to a global scale. In particular, the emerging open and high spatiotemporal resolution microwave and optical sensors (such as the Sentinel sensors) and the development of LiDAR and unmanned aerial vehicles (UAVs) allows an unprecedented opportunity for the accurate estimation of AGB. Considerable amounts of multi-source remote sensing data and popular cloud computing platforms such as Google Earth Engine (GEE) make it easy to rapidly monitor AGB in different ecosystems at low costs. Topics may include but are not limited to model and algorithm developments, the assessment of different methods, responses of the AGB to climate change and human activities, and applications of remotely sensed AGB data.

Guest Editors

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Deadline for manuscript submissions

15 November 2025

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 8.6

mdpi.com/si/172146

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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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