



Estimating Above-Ground Biomass and Above-Ground Carbon by Remote Sensing Data

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Message from the Guest Editors

Today, forests stand as a powerful ally in the battle against climate change and, if managed properly, they can prevent emissions from deforestation and forest degradation and act as critical carbon sinks. The urgency of safeguarding these ecosystems has never been greater and accurately measuring their above-ground biomass (AGB) and carbon storage (AGC) is a major step toward this goal.

This Special Issue aims to bring together scientists and specialists developing and applying new remote sensing approaches in an effort to improve our understanding of the biomass and carbon dynamics of forest ecosystems. The topics covered in this Special Issue include, but are not exclusive to, the following:

1. New methods to assess biomass and carbon in forest ecosystems using remote sensing;
2. New sensors and new data fusion approaches;
3. Temporal assessment of biomass and carbon dynamics;
4. Biomass and carbon assessment via proximal sensing, i.e., TLS, photogrammetry, etc.;
5. Spatial and temporal uncertainty assessments;
6. Impact of forest disturbances on biomass and carbon balance;
7. Large-scale monitoring of biomass and carbon dynamics;
8. Cloud computing approaches.





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Message from the Editor-in-Chief

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