Special Issue

Estimating Bioenergy and Carbon Stocks within Forests Using Remote Sensing Data

Message from the Guest Editors

Remote sensing has been one of the technological tools with the greatest growth in forestry research in the last decades, being used for mapping, cartography, and incorporated in forest inventories by the indirect measurement of biophysical variables and modelling (e.g., Dbh, height, canopy cover, density, LAI, vegetation indices). The use of optical, radar and lidar remote sensing data, acquired by different platforms (terrestrial, space-borne, airborne, unmanned aerial vehicles), combined with different fusion techniques, as well as geostatistical and modelling methods, makes it possible to obtain increasingly rigorous estimates of biomass and carbon stocks, with high spatial and temporal resolution.

This Special Issue aims to gather contributions exploring the most recent remote sensing approaches integrating data collected by different sensors/platforms, ground observations, laboratory analysis, and combining the latest processing techniques to quantify woody biomass for energy purposes, carbon stocks, and to evaluate the ecological aspects of biomass exploitation in forests and woodlands.

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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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