Special Issue

Estimation of Forest Biomass from SAR

Message from the Guest Editors

Aboveground biomass (AGB) of forests is an essential climate variable and maps of its global distribution are urgently needed for accurate and reliable carbon cycle and climate modeling, carbon accounting, and forest management. Large-scale measurement of AGB is challenging due to the complex nature of forests, which are not possible to estimate with current remote sensing methods. Synthetic aperture radar (SAR) has a demonstrated sensitivity to biomass. This potential led to the European Space Agency's selection of BIOMASS, a P-band (432–438 MHz) SAR, for its 7th Earth Explorer mission. The mission aims to unravel the global variability of this essential—yet poorly known—property of the biosphere. We would like to invite you to participate in a Special Issue of *Remote Sensing* focusing on forest biomass estimation from SAR. We encourage contributions using different methods and SAR imaging modes (including polarimetry, interferometry, and tomography), different frequency bands and sensor platforms, and addressing a broad range of forest biomes.

Guest Editors

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Deadline for manuscript submissions

closed (30 April 2021)

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 8.6

mdpi.com/si/34763

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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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