



Forest Biomass Change and Carbon Dynamics

Guest Editors:

Dr. Pedro Rodríguez-Veiga

Prof. Dr. Richard Lucas

Ms. Heather Kay

Prof. Dr. Heiko Balzter

Dr. Yhasmin Mendes de Moura

Mr. Frank Martin Seifert

Prof. Dr. Christiane Schmullius

Deadline for manuscript
submissions:

closed (28 February 2023)

Message from the Guest Editors

Dear Colleagues,

Over recent years, considerable effort has been placed into estimating forest carbon stocks by generating regional to global maps of aboveground biomass from Earth observation data. These efforts often consisted of a single snapshot of the carbon stock at a given time. However, processes leading to changes in stocks, such as deforestation, degradation, afforestation, and regeneration, are constantly occurring, and attention is therefore increasingly shifting towards quantifying forest biomass at finer spatial resolutions and shorter temporal frequencies. This presents a particular challenge because of the wide range and sensitivities of sensors used for biomass retrieval, the differences in algorithms employed, the different observation modes and characteristics of observing sensors, and, critically, the statistical aspects of measuring change. This Special Issue seeks to improve our understanding of current methods and datasets to characterise forest carbon dynamics and biomass change worldwide, focusing on the principles that underlie changes in forest biomass associated with changes in extent, structure, function, and floristic composition.





an Open Access Journal by MDPI

Editor-in-Chief

Dr. Prasad S. Thenkabail

Senior Scientist (ST), U. S.
Geological Survey (USGS), USGS
Western Geographic Science
Center (WGSC), 2255, N. Gemini
Dr., Flagstaff, AZ 86001, USA

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Ei Compendex, PubAg, GeoRef, Astrophysics Data System, Inspec, dblp, and other databases.

Journal Rank: JCR - Q1 (Geosciences, Multidisciplinary) / CiteScore - Q1 (General Earth and Planetary Sciences)

Contact Us

Remote Sensing Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/remotesensing
remotesensing@mdpi.com
[X@RemoteSens_MDPI](https://twitter.com/RemoteSens_MDPI)