Special Issue

Remote Sensing of Forest Biomass and Carbon Dynamics Using Multiple Sources and Technologies

Message from the Guest Editors

For this Special Issue, we invite scientists actively applying remote sensing and related technology to assess forest biomass and monitor carbon dynamics in their research to submit their papers. Submissions that address one or more of the following topics (or related topics) are welcome:

- The advantages of remote sensing in forest biomass estimation and carbon dynamics monitoring
- The estimation of forest biomass using remote sensing across scales
- The monitoring and modeling of the dynamics of forest biomass/carbon
- Deep learning or innovative artificial intelligence algorithms for forest biomass estimation
- The estimation of biophysical, biochemical, and physiological properties that are significant for forest biomass
- The impact of climate change on the carbon dynamics of forests
- The response of forest carbon dynamics to extremes (e.g., heavy precipitation, drought, heat, wildfire, insects) and its legacy effects
- The impact of forest mortality on carbon dynamics
- Forest growth modeling based on remote sensing techniques
- The combination of in situ observation and remote sensing data across scales
- Uncertainties and error analysis for the estimation of biomass

Guest Editors

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Deadline for manuscript submissions

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About the Journal

Message from the Editorial Board

Forests (ISSN 1999-4907) is an international and cross-disciplinary, scholarly forestry journal. The distinguished editorial board and refereeing process ensures the highest degree of scientific rigor and review of all published articles. Original research articles and timely reviews are released online, with unlimited free access. Our goal is to have *Forests* be recognized as one of the foremost publication outlets for high quality, leading edge research in this broad and diverse field. We therefore invite you to be one of our authors, and in doing so share your important research findings with the global forestry community.

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