Special Issue

Modelling and Estimation of Forest Biomass

Message from the Guest Editors

This Special Issue invites original research articles dedicated to the modeling and estimation of forest biomass. Potential study topics include the following.

- Comparison of empirical and process-based modeling techniques for estimating forest biomass.
- Identifying key factors at the individual tree, stand, and environmental levels that influence allometric relationships in biomass estimation.
- Modeling forest biomasses using machine learning and deep learning approaches.
- Assessing long-term changes in forest biomass dynamics.
- Modeling biomass adjustments following silvicultural treatments.
- Analyzing the impacts of drought, insect pests, and diseases on forest biomass estimation.
- Evaluating changes in forest biomass and structure under environmental stress using remote sensing technologies (e.g., LiDAR and UAV).
- Assessing the effects of wind, hurricanes, and ice damage on tree biomass estimation.
- Investigating how changes in forest structure and composition affect forest biomass estimation.

Guest Editors

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About the Journal

Message from the Editor-in-Chief

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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