

Special Issue

Forest Growth and Yield under Environmental Changes

Message from the Guest Editors

This Special Issue aims to publish original research articles or review articles focusing on modeling forest growth and yields under changing environments or evaluation of forest growth and yields under climate change. Some examples of study topics are given below.

- Comparison of empirical- and process-based modeling techniques in assessing tree growth under climate change;
- Identifying key environmental variables in characterizing the change in tree allometry (e.g., height–diameter relationships, crown–diameter relationships) using a machine learning approach;
- Assessing long-term stand dynamics after the insect outbreaks and ice storm events;
- Modeling biomass and carbon sequestration modeling adjustments following prescribed fires and silvicultural treatments;
- Quantifying tree mortality impacts of drought, insect pests, or diseases;
- Evaluating forest growth and structure change under environmental stress using remote sensing (e.g., Lidar, UAV);
- Assessing wind and ice damage to tree growth and allometry;
- Monitoring and evaluating changes in forest structure and composition using ground-based Lidar.

Guest Editors

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Deadline for manuscript submissions

closed (30 June 2024)



Forests

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CiteScore 4.6



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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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