New Theories and Methods in Tree and Stand Measurement and Modeling

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Deadline for manuscript submissions:
closed (25 October 2023)

Message from the Guest Editors

Dear Colleagues,

Forest measurement and growth simulation, as a fundamental tool for studying the response of various typical forest types to planned management, has become a hot field that countries are competing to develop as it can significantly shorten research cycles and reduce research costs.

This special issue will provide researchers with an overview of the general research progress and trends in the field, present the results and application effects of forest measurement and growth simulation studies based on different measurement methods and modern statistical methods, promote direct learning and communication among researchers, and also provide a practical reference for forest managers. The scope of the call for articles for the special issue includes, but is not limited to the following.

- Tree Measurement, Data Acquisition, and Processing Methods of UAV;
- Forest Growth and Yield Models Based on Machine Learning;
- Random Growth and Forest Yield Models of Trees and Stands;
- Models of Tree Crown Structure, Stem Form, Timber Quality and Mechanisms;
- Prediction Modeling of Stand, Forest Resources, Biomass and Carbon Storage at Different Scales.

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Special Issue

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Message from the Editorial Board

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