Modeling Forest Stand Dynamics, Growth and Yield

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Message from the Guest Editor

Forests have a critical role in addressing global issues of sequestering carbon while providing renewable materials and energy as well as a host of ecosystem services. The world's forests are diverse and serve myriad purposes, but, regardless of the management objective, reliable models of forest stand dynamics, growth, and yield are required. Steady progress has resulted from applying increasingly sophisticated quantitative analysis techniques and cuttingedge technologies to measure, monitor, and model trees and stands. However, technical challenges and opportunities remain as forest modeling continues to evolve and advance. Contributions to this Special Issue are encouraged on all aspects of growth and yield modeling, including data collection and analysis, modeling approaches, and model validation and implementation. Forest types ranging from planted monocultures to mixedspecies natural stands are of interest, as are parametric and nonparametric approaches to data analysis. This Special Issue aims to provide a benchmark of the state-of-the-art of growth and yield modeling and a glimpse of future research opportunities.

Special Issue

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