# Special Issue

# Simulation Models of the Dynamics of Forest Ecosystems

**Message from the Guest Editors**

Simulation models of the dynamics of forest ecosystems are essential decision tools to maintain the long-term sustainability and biodiversity of forest ecosystems and evaluate the extent to which forest management activities may affect forest successional pathways. The improved understanding of the functioning of forest ecosystems and increased societal demands for more predictive capabilities of models created a background for a new stage in which ensembles of models are used for the prediction of the complex dynamics arising among forest ecosystem components. This includes the assessment of synergies and trade-offs among ecosystem services. Forest dynamics models contribute to reassuring the public on the long-term integrity of forest ecosystems and their services.

This Special Issue will include papers on modeling forest dynamics. Research articles may focus on topics related to the development and application of simulation algorithms, data requirements, calibration, and evaluation, as well as future directions in model development. Models working at different scales, from tree to site to landscapes are also welcome.

**Guest Editors**

Dr. Guy R. Larocque

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Prof. Dr. Herman H. Shugart

Dr. Vladimir Shanin

**Deadline for manuscript submissions**

closed (31 January 2022)


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## 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.

## Editor-in-Chief

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