Special Issue

Forest Management, Hydrology and Biogeochemistry Modelling

Message from the Guest Editor

The forest ecosystem is a complex network of interactive processes, e.g., stand hydrology affects soil biogeochemical processes, such as photosynthesis, organic matter decomposition, nutrient release, and greenhouse gas emissions, and nutrient release further affects stand growth. A recursive loop is formed when the stand dimensions affect the hydrology. Forest management, such as thinning, partial harvesting, clear-cutting, fertilization, slash management and drainage, change the hydrological or biogeochemical processes and further the stand production. The production of some ecosystem services may be enhanced or suppressed. Mathematical models are needed to increase the understanding of the complex interactions, to evaluate the synergies and trade-offs in relation to ecosystem services, and to support wise management of forest resources. We invite papers containing description or application of forest ecosystem models, description of hydrological or biogeochemical submodels, or data that can be used to test forest ecosystem models. There will be an emphasis is on forest management. In modelling papers, usability and strong conceptual structure of the new models are appreciated.

Guest Editor

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closed (3 February 2023)

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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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