Special Issue

Natural Disturbance Dynamics Analysis for Forest Ecosystem Management

Message from the Guest Editor

The role of ecosystem legacies in the course of dynamic processes of forest biomes around the world requires thorough analysis before implementing new silvicultural techniques. Legacy syndromes, in which ecological memory is impacted by management activity, are suggested as a platform for designing ecosystem management in the future. The impact (length and strength) of the pool of ecosystem legacies and how they vary at different spatial and temporal scales is a most promising line of further research. In particular, the investigation of how the carbon cycle is directed by legacies is crucial to understanding climate change impacts. Analyses of successional trajectories, ecosystem memory, and novel ecosystems are needed to improve modelling in support of forests. The objective of this Special Issue is to begin to untangle successional patterns and the driving forces of disturbances dynamics. To this end, we solicit scientists to share their cutting-edge research in ecosystem approaches to forest management. In particular, we are interested in further elaboration of the theory of ecological memory and the underpinnings of ecosystem legacies and legacy syndromes.

Guest Editor

Prof. Dr. Kalev Jõgiste

Institute of Forestry and Rural Engineering, Estonian University of Life Sciences, Friedrich Reinhold Kreutzwaldi 1, Tartu, Estonia

Deadline for manuscript submissions

closed (30 April 2020)

Forests

an Open Access Journal
by MDPI

**Impact Factor 2.5
CiteScore 4.6**

mdpi.com/journal/
forests

MDPI

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.

Editor-in-Chief

Prof. Dr. Giacomo Alessandro Gerosa
Department of Mathematics and Physics, Catholic University of Brescia, I-25121 Brescia, Italy

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, GEOBASE, PubAg, AGRIS, PaperChem, and other databases.

Journal Rank:

JCR - Q2 (Forestry) / CiteScore - Q1 (Forestry)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.1 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).