Special Issue

Growth Models for Forest Stands and Trees

Message from the Guest Editor

This Special Issue will present recent developments in the theory of stand-level and tree-level growth and yield and their linkage. Authors are encouraged to present new differential growth equations and demonstrate their consistency with biological rules of self-thinning and/or other Bakuzis-type relationships of stand properties. As considerable resources are invested in different forms of intensive management, such as competing vegetation control, fertilization, and genetic improvement, reliable estimates of rotation yield are required, albeit frequently without the benefit of long-term permanent plots. Tree-level models may be distance-independent or include competition indices; however, consistency with the stand-level estimates is imperative. While a system of stand-level models is frequently constructed for the attributes of mean top height, density, and basal area, researchers may elect to model total size, and then use tools to disaggregate the total to stand properties. The dynamics of stand and tree disaggregation or allocation to individual components, over the rotation length, is a topic of keen interest to many researchers.

Guest Editor

Prof. John Paul McTague
Daniel B. Warnell School of Forestry and Natural Resources, The University of Georgia, Athens, GA, USA

Deadline for manuscript submissions

closed (31 January 2021)

Forests

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 4.6

mdpi.com/si/44967

Forests
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
forests@mdpi.com

mdpi.com/journal/forests

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 16.8 days after submission; acceptance to publication is undertaken in 2.5 days (median values for papers published in this journal in the second half of 2025).