



*forests*



an Open Access Journal by MDPI

## Modelling Mixing Effects in Forest Stands

Guest Editor:

**Prof. Dr. Em. Hubert Sterba**

Department of Forest and Soil Sciences, Institute of Forest Growth, BOKU University of Natural Resources and Life Sciences, Peter-Jordan-Straße 82, 1190 Vienna, Austria.

Deadline for manuscript submissions:

**closed (29 February 2020)**

### Message from the Guest Editor

Complementarity, i.e., the mixing effects in mixed species forests are increasingly being investigated. Not only growth, but also tree form, foliar distribution, carbon allocation, mortality, resilience, resistance and recovery, crown features and foliar distribution exhibit mixing effects. They are found to depend on species traits, species proportions, stand characteristics like stand density and developmental stage, as well as site quality characteristics.

Growth models of different types and different complexities, whole stand models, distance-dependent and distance-independent individual tree models, statistical and mechanistic models are frequently used to evaluate and study the mixing effects. They have to go beyond case studies and therefore it is interesting to see if, and if yes then how complementarity can be modelled or could be considered in models. Therefore, this Special Issue will concentrate on the possibilities of generalizing relationships that finally lead to complementarity effects on any features of mixed species forest stands.



[mdpi.com/si/21523](https://mdpi.com/si/21523)

**Special** Issue



# forests



an Open Access Journal by MDPI

## Editors-in-Chief

### **Prof. Dr. Cate Macinnis-Ng**

Department of Biological Sciences, Faculty of Science, University of Auckland, Private Bag 92019, Auckland 1142, New Zealand

### **Prof. Dr. Giacomo Alessandro Gerosa**

Department of Mathematics and Physics, Catholic University of Brescia, I-25121 Brescia, Italy

## Message from the Editorial Board

*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.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

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

**Journal Rank:** JCR - Q1 (Forestry) / CiteScore - Q1 (Forestry)

## Contact Us

---

Forests Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
www.mdpi.com

mdpi.com/journal/forests  
forests@mdpi.com  
X@Forests\_MDPI