



*forests*

an Open Access Journal by MDPI



## Forest Operations: Planning, Innovation and Sustainability

Guest Editors:

**Prof. Dr. Enrico Marchi**

Department of Agriculture, Food,  
Environment and Forestry,  
University of Florence, Via S.  
Bonaventura 13, 50145 Firenze,  
Italy

**Dr. Francesco Neri**

Department of Agricultural, Food  
and Forestry Systems, University  
of Florence, Via S. Bonaventura  
13, 50145 Firenze, Italy

**Prof. Dr. Andrea Laschi**

Department of Agriculture, Food  
and Forestry (SAAF), University of  
Palermo, Viale delle Scienze, ed.  
4, 90128 Palermo PA, Italy

Deadline for manuscript  
submissions:

**closed (15 February 2019)**

### Message from the Guest Editors

Dear Colleagues,

Since prehistory, wood has been a fundamental raw material. In recent years, wood demand has increased worldwide, and it is expected that it will continue to increase in the future, considering its role as a renewable material and taking into account the increasing world population. Sustainable management of forest resources is mandatory in order to maintain forests and their multiple functions for Society. In this context, wood harvesting and forest operations are very delicate issues to be studied and analyzed in order to reduce their potential and effective negative effects, maximizing productions and reducing the environmental impacts of forest operations. The aim of this Special Issue is to provide new information on different aspects related to innovation, sustainability and planning forest operations, such as the following: i) optimization of productivity in terms of both quantity and quality; ii) innovative planning of forest operations, including remote-sensing and ICT; iii) innovations in mechanization aimed at increasing the efficiency and/or safety of operations; iv) innovative approaches in reducing environmental impacts related with forest operations; v) forest road planning.

Prof. Dr. Enrico Marchi

Dr. Francesco Neri

Dr. Andrea Laschi

*Guest Editors*



[mdpi.com/si/13276](https://mdpi.com/si/13276)

# 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, St. Alban-Anlage 66  
4052 Basel, Switzerland

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

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