# Special Issue

# Gene-Based SNP Discovery and Diversity of Forests Trees

**Message from the Guest Editors**

Single Nucleotide Polymorphisms (SNPs) are the most abundant and widely distributed markers in plant genomes. The rapid advancement of next-generation sequencing technologies and their associated cost reduction, along with the development of the required bioinformatics resources, has democratized the large-scale discovery of SNPs in forest tree species. Different goals can guide SNP discovery and genotyping. High-throughput SNP genotyping has become a powerful tool to address a range of research areas related to structural and functional genomics, populations genomics, association genomics, conservation genomics, or genomic selection. The acquisition of a large number of SNPs in both candidate genes and random loci across the genome, and the development of high throughput genotyping are pivotal to understand the molecular basis of adaptation of natural forest tree populations and to support tree breeding.

Dr. Dephine Grivet


**Guest Editors**

Dr. María-Teresa Cervera
Department of Forest Ecology and Genetics, INIA-CIFOR, Madrid, Spain

Dr. Delphine Grivet
Department of Forest Ecology and Genetics INIA- CIFOR (Forest Research Centre), 28040 Madrid, Spain


**Deadline for manuscript submissions**

closed (31 August 2017)


# Forests

**an Open Access Journal by MDPI**

**Impact Factor 2.5**
**CiteScore 4.6**

mdpi.com/si/9087

*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 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).