Special Issue

Forest Genomics and Transcriptomics

Message from the Guest Editor

Genome analyses of tree populations have uncovered genes involved in traits of economic importance, primarily growth and wood quality, pest and diseases resistance, and adaptation and response to biotic and abiotic stress. Genes that regulate growth and development have been identified, and in many cases their mechanisms of action have been described. Genomics is now making it possible to rapidly improve knowledge and develop tools to accelerate breeding programs. However, in contrast to many annual crops that have benefited from centuries of domestication and extensive genomic and biotechnology research, in forestry, the field is still in its infancy. Bioinformatic analyses derived from RNA-seq of forest trees are particularly challenging because of the massive genome length and the absence of annotated reference genomes. Thus, tremendous opportunities remain unexplored.The present Special Issue in the journal Forests, entitled "Forest Genomics and Transcriptomisc" encourages the submission of research as well as review papers dealing with new advances in tree genomics and transcriptomics that could be related to new perspectives in tree breeding and management.

Guest Editor

Prof. Dr. Tadeusz Malewski

Museum and Institute of Zoology, Polish Academy of Science, ul. Wilcza 64, 00-679 Warszawa, Poland

Deadline for manuscript submissions

closed (20 September 2021)

About the Journal

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.

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

Author Benefits

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)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.9 days after submission; acceptance to publication is undertaken in 2.5 days (median values for papers published in this journal in the first half of 2024).

MDPI