Special Issue

Analysis of Phytochemical Components and Genes of Nut Trees and Woody Oilseeds

Message from the Guest Editors

The analysis of phytochemical components and genes in nut trees and woody oilseeds is a rapidly evolving field that holds great promise for improving human health, nutrition, and sustainable agriculture. The unique chemical profiles and genetic makeup of these plants can offer valuable insights into their potential uses as sources of healthy fats, bioactive compounds, and novel medicinal agents. Despite the growing interest in nut trees and woody oilseeds, there is still a need for comprehensive research that integrates both phytochemistry and genomics to fully understand their properties and applications.

- Phytochemical profiling of nut trees and woody oilseeds;
- Genetic analysis of metabolic pathways involved in the production of bioactive compounds;
- Techniques for the extraction and purification of phytochemicals from these plants;
- Nutraceutical applications of nut tree and woody oilseed extracts;
- Genetic modification approaches for enhancing the nutritional value or yield of nut trees and woody oilseeds;
- Environmental impact and sustainability of nut tree and woody oilseed cultivation;
- Future trends and challenges in the utilization of nut trees and woody oilseeds.

Guest Editors

Dr. Yihua Liu

Dr. Xupo Ding

Dr. Ioannis Manthos

Deadline for manuscript submissions

closed (15 May 2025)

Forests

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 4.6

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).

MDPI