Special Issue

Advances in Wood Chemical Traits

Message from the Guest Editors

Wood is mainly composed of cellulose, hemicellulose, and lignin. At present, there is a more comprehensive understanding of the basic chemistry of wood. Moreover, with the development of advanced characterization methods and modern measurement methods, the research in this field has had a significant impact. This makes it possible to continually expand our comprehensive understanding of wood, which can help us better understand materials, enabling us to apply wood and wood diffractions to areas such as ecology, environmental management, carbon sinks, and energy storage. This Special Issue focuses on innovative methods of studying the chemical properties of wood, describes chemical properties that are not yet known or understood, discusses issues and questions related to the separation, purification, and application of typical compositions in all types of wood, and develops new materials and technologies derived from the microstructure and chemical properties of wood. We highly encourage authors from all relevant fields to submit original and review articles for this Special Issue.

Guest Editors

Prof. Dr. Yongfeng Luo

Dr. Yudong Li

Dr. Xi Yang

Deadline for manuscript submissions

closed (31 May 2024)

Forests

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 4.6

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).