Special Issue

Lignin: The Hidden Forest Product

Message from the Guest Editors

Lignin is the most abundant aromatic polymer on Earth, representing a significant carbon sink. Most extracted lignin has historically been used for heat and power—without recovery from pulping liquors. Due to the urgent need to move away from petroleum dependence towards renewable biomass-based resources, our interest in developing a forest-based circular bioeconomy has prioritized efforts in removing barriers to realize broader production and utilization of lignin. This Special Issue aims to advance lignin's potential for high-value applications. Studies of interest include recovery and fractionation, which provide a lignin feedstock more amenable for use and further conversion; chemical, catalytic, and biological conversion methods and modifications; and the use of lignin as an alternative to current fossil-based chemicals and materials. In addition, studies on the characterization of lignin in situ and throughout processing, are critical for advancing the knowledge and use of lignin. We hope that this Special Issue will gain wide interest and promote lignin valorization with the aim of transitioning towards a more sustainable world.

Guest Editors

Dr. Biljana Bujanovic
USDA-FS-Forest Products Laboratory, Madison, WI, USA

Dr. Ericka Redmond
SUNY College of Environmental Science and Forestry, Syracuse, NY, USA

Deadline for manuscript submissions

closed (1 August 2023)

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