

Special Issue

Valorization of Lignocellulosic Biomass: 2nd Edition

Message from the Guest Editor

This Special Issue is the continuation of our previous Special Issue “Valorization of Lignocellulosic Biomass”, published in 2023–2025.

The increasing environmental and sustainable concerns and issues caused by fossil-based products (fuels, chemicals, and plastics) and related hazardous industrial wastes have imposed an immediate consideration of alternatives for non-renewable fossil resources. Lignocellulosic biomass, the most abundant sustainable carbon source on the planet, has been considered an alternative to fossil resources because of its abundance (produced annually approx. 200 billion metric tons), non-toxicity, renewability, and biodegradability. In recent years, a great amount of effort has been made to convert lignocellulosic biomass to biofuels, chemicals, and functional materials through the biorefining concept. This Special Issue is aimed at presenting the state-of-the-art in the valorization of lignocellulosic biomass to value-added bioproducts. We invite authors to contribute their latest works in the form of original research and review articles.

Guest Editor

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Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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