

## Special Issue

# Isolation, Characterization and Application of Lignin

### Message from the Guest Editor

Over the years, lignin has become an interesting and attractive biopolymer for academic and industrial communities. Lignin is the second most abundant biopolymer on Earth, and it is potentially able to substitute a wide range of materials derived from fossil sources. However, lignin requires being isolated and transformed into valuable materials using green technologies in order to achieve sustainable development in the optic of the circular economy. This Special Issue focuses on providing an overview of the current scientific progress in the isolation, characterization and application of lignin, with a particular interest in sustainable technologies and methodologies. This Special Issue includes, but is not limited to, the following aspects: Biorefinery concept; Lignin extraction and isolation from biomasses; Characterization of lignin and lignin-derived compounds; Applications of lignin and lignin-based products; Studies on lignin-based materials recyclability and biodegradability. We are delighted to invite you to submit your work for this Special Issue.

### Guest Editor

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### Deadline for manuscript submissions

closed (20 March 2025)



## International Journal of Molecular Sciences

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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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