# Special Issue

# Chemistry of Lignin-Based Materials

## Message from the Guest Editors

Lignin is the second most important polymer in the lignocellulosic materials, such as biomass. The valorization of biomass under biorefinery concepts, the circular economy and the zero-waste philosophy passes with no doubt thru the valorization of its cell wall constituents, in particular lignin. The use of lignin presents many advantages (it is a natural resource, is biodegradable, has low toxicity for some applications, has high carbon content). Still, it also presents some disadvantages (e.g., recalcitrant polymer and has different types of functional groups). So, lignin valorization and applications represent a challenge to researchers. In this special, we invite our colleagues to present their works related to lignin characterization and valorization, emphasizing lignin applications the so-called lignin-based materials (*e.g.* hydrogels, lignin nanoparticles, adhesives, etc.).

## Guest Editors

Dr. Ana Lourenço
Centro de Estudos Florestais, Instituto Superior de Agronomia, Universidade de Lisboa, Lisbon, Portugal

Dr. Jorge Gominho
Centro de Estudos Florestais, Instituto Superior de Agronomia, Universidade de Lisboa, Lisbon, Portugal

## Deadline for manuscript submissions

closed (28 February 2025)

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*Molecules*
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
molecules@mdpi.com

mdpi.com/journal/molecules

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Prof. Dr. Thomas J. Schmidt
Institute of Pharmaceutical Biology and Phytochemistry, University of Münster, Corrensstrasse 48, D-48149 Münster, Germany

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