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Wood Chemistry—Advanced Technology and Techniques

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Message from the Guest Editor

This Special Issue is dedicated to the forefront of research on the chemical aspects of wood and lignocellulosic materials. It aims to gather pioneering studies, reviews, and technical advancements that push the boundaries of how we understand, utilize, and transform wood through chemistry. World seeks sustainable alternatives to fossil-based materials and processes, the role of wood chemistry has never been more pivotal. This Special Issue will serve as a platform for showcasing innovative approaches in the modification, analysis, and application of wood materials, contributing to sustainability, material science, and the bioeconomy.

Potential topics can include, but are not limited to, the following:

- Advanced analytical techniques in wood chemistry: cutting-edge methods for characterizing wood composition, structure, and properties.
- Cellulose and hemicellulose innovations: advances in the processing and application of cellulose and hemicellulose, including nanocellulose and new biomaterials.
- Wood modification techniques: chemical treatments and processes that enhance the durability, resistance, and functionality of wood.



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Special Issue



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Message from the Editor-in-Chief

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