Special Issue

Wood Chemistry—Advanced Technology and Techniques

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.

Guest Editor

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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.

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