

Special Issue

The Application of Modern Chemical Methods in the Analysis of Wood and Forestry Biomass—Challenges and Perspectives

Message from the Guest Editors

Current environmental, social, and ecological factors illustrate the need for the better and more efficient use of wood and forestry (by)products, which presents new challenges for forestry and the wood industry. These factors, and the improved knowledge on wood and forestry biomass, may lead to new research perspectives and the implementation of novel products. State-of-the-art analytical techniques and methods are essential for the characterization of woody biomass, which provides insights into molecular wood composition and structure. The continuous development of analytical chemical instrumentation adds increasingly deeper insights into material structure and composition, which in turn leads to fresh knowledge offering a better understanding of physiological processes of woody plants. This Special Issue focuses on (but is not limited to) the following major topics: the molecular relations of wood formation and wood modification; the chemical utilization of wood and forestry (by)products; and the effects of climate change on wood and forestry biomass composition.

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