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Wood Treatments and Modification Technologies

Guest Editors:

Dr. Mohd Hazim Mohamad Amini

Advanced Material Research Cluster, Faculty of Bioengineering and Technology, Jeli Campus, Universiti Malaysia Kelantan, Jeli 17600, Malaysia

Prof. Dr. Ali Temiz

Department of Forest Industrial Engineering, Karadeniz Technical University, Trabzon 61080, Turkey

Dr. Emilia-Adela Salca

Faculty of Furniture Design and Wood Engineering, Transilvania University of Brasov, 5000068 Brasov, Romania

Message from the Guest Editors

Wood is a sustainable and versatile material. To improve wood properties and give them special characteristics, wood treatments and modifications are conducted. This Special Issue explores the application of chemical, physical, or biological methods to alter the properties of the woody material. Improvements in mechanical strength, dimensional stability, decay resistance, weathering resistance, and fire resistance could be achieved through modifications. Recent modifications of wood include thermal treatment to improve the UV resistance of wood, delignification, and polymer intrusion to make transparent wood and phase-change material-impregnated wood, thus awarding thermal regulative properties to wood. This Special Issue welcomes papers on all aspects of wood treatment and modification, including wood in the form of solid, composites, and woody biomass.

Deadline for manuscript submissions:

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Prof. Dr. Giacomo Alessandro Gerosa

Department of Mathematics and Physics, Catholic University of Brescia, I-25121 Brescia, Italy

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Forests Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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