

Special Issue

New Frontiers in Wood and Lignocellulosic-Based Materials for Industry and Cultural Heritage

Message from the Guest Editors

New processes and protocols which are useful in physics, inorganic and organic chemistry and biology are still not being fully exploited in applied sciences such as material science. This is particularly true when considering wood and lignocellulosic materials, which usually assume a secondary role compared to finer materials. With this Special Issue, we would like to collect papers on new frontiers coming from physics, chemistry, and biology, new chemical compounds, instruments and processes (like biotechnology), to be applied in order to obtain a full knowledge and exploitation of the quality of wood and lignocellulosic based products, including biocomposites. Special applications will be considered in the conservation and restoration of wooden and lignocellulosic cultural heritage and in several industry sectors such as bio-building and furniture, automotive, and paper. We will also consider contributions dealing with wood and lignocellulosic treatments and modifications with the perspective to promote an economic growth and to form new value chains at high added value.

Guest Editors

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Deadline for manuscript submissions

closed (30 June 2021)



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About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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