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Wood Protection Based on the Study of Chemical and Physical Properties

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Message from the Guest Editors

Wood continues to be an important part of daily life and culture because of its attractive appearance and properties. It is a renewable resource and a natural biopolymer used in a wide range of applications. Compared to other building materials, wood offers several advantages, including a high strength-to-weight ratio, strong thermal insulation, easy workability, and appealing aesthetics. Due to the chemical nature and physical structure of wood, its resistance to various biological agents is limited. This must be taken into account when wood is exposed to moisture, which creates ideal conditions for decay.

In order to increase knowledge on the mechanisms of durability of wood and on strategies for the protection and preservation of wood, wood structures, and wood-based building materials, we welcome research papers from different disciplines, such as wood materials science, wood technology, and wood pathology, as well as the development of methods, experimental studies, monitoring approaches and models, literature reviews, and surveys as contributions to this Special Issue.

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Message from the Editorial Board

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