



UV Lacquer Systems for Wood and Wood Based Materials

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Message from the Guest Editors

Finishing of wood and wood-based material surfaces with lacquer products decides aesthetic–decorative features of the final products and gives them functional characteristics. The kind of lacquer products is connected the technology of their applications. A very interesting opportunity belongs to technologies of the curing and hardening with the use of UV radiation methods.

It is our pleasure to invite you to submit a manuscript to a Special Issue of the Coatings journal. This Special Issue will report on progress in the frame of finishing of wood and wood-based materials with the use of UV lacquer products. Both surface preparation and hardening and properties of the lacquer system are within the scope.

Topics of the special issue could be, but are not limited to:

- wood and wood based material surfaces properties (roughness after sanding)
- interlayer adhesion (wettability, adhesion strength)
- ecological UV lacquer products for the application with rollers and spraying guns
- curing and hardening process with the use of Hg, Ga and LED radiators
- resistance of coatings to mechanical, chemical, thermal factors, stability during aging





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Message from the Editorial Board

Now more than ever, research is asked to deliver knowledge and technologies to solve the major challenges faced by our society. The development of new materials and devices for (without the ambition to be exhaustive) energy, health and food technology, together with the need for establishing processes that reduce the impact on critical resources and the environment, is indeed in the spotlight of most contemporary research. Surface science and engineering play a key role in this regard, with an incredible potential in delivering new and deep scientific understanding and technical solutions essential to solve most of the major societal challenges.

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