

Special Issue

Innovations in Functional Coatings for Wood Processing

Message from the Guest Editor

In the wood processing industry, the demand for high-performance, durable, and multi-functional wood products is rising. Wood, being a natural material, faces challenges such as moisture, heat, pests, and surface degradation. Functional coatings offer an effective solution by enhancing wood properties and providing additional functions. For instance, fire-resistant coatings reduce fire risks, while antibacterial coatings improve hygiene in kitchens and hospitals. This Special Issue aims to showcase the latest advancements in functional coatings for wood, fostering collaboration among researchers and industry professionals. Topics include environmentally friendly coatings, fire-resistant coatings, antibacterial solutions, decorative coatings, and advanced surface modification techniques. By contributing, authors can drive innovation, promote sustainability, and enhance the performance of wood products. We welcome original research articles and reviews.

Guest Editor

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About the Journal

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.

Coatings is a well-established, peerreviewed, online journal dedicated to the vibrant field of surface science and engineering. Coatings publishes original research articles that report cutting-edge results and review papers that make the point on the hottest research topics.

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