

Special Issue

Recent Advanced in Wood Coatings and Protection

Message from the Guest Editor

Wood material is used everywhere in our lives, in construction materials, furniture, cabinets, flooring, and landscaping products. Over the years, protection strategies and coatings have been used to maintain the performance and aesthetic appearance of wood products. Various research groups around the world in industry and academia are working to improve wood performance through technological development. This Special Issue aims to gather the latest advances in coating and protection of wood material. New coating formulations, new additives, functional coatings, film mechanics, film physics, wood surface preparation, wood and fibre plasma coatings, sol-gel fibre modifications are topics that can be discussed in this Special Issue. Work on protection is also welcome, on topics such as modification treatment, wood products design for durability, degradation characterization, and performance modelling and fungi dissemination. You are welcome to submit your most recent advances on these topics.

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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