

Special Issue

Wood Protection through Innovative Coatings and Films

Message from the Guest Editor

This Special Issue focuses on exploring new technologies and advances in coatings and treatments for wood protection. It covers topics such as the coating of new wooden and wood-based materials, innovative processes, and methods for enhancing the durability of wood through coating, as well as novel approaches to improving the performance of wood-based products. Additionally, it examines the environmental impacts of wood protection by surface treatment, and the potential for more sustainable coated wood-based products. In particular, topics of interest include but are not limited to the following:

- Types of novel wood protection coating treatments;
- Surface treatment of new wood-based materials;
- Enhance the durability of wood with innovative coating treatments;
- Improving properties of surface-treated wood;
- Maintenance of wood protection treatments;
- Application techniques for wood protection treatments;
- Latest developments in wood protection treatments;
- Durability of protective coatings and treatments;
- Environmental impacts/LCA of wood protection.

Guest Editor

Dr. Åsa Rydell Blom

Forestry and Wood Technology, Linnaeus University, SE 35106 Växjö, Sweden

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Coatings
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
coatings@mdpi.com

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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.

Editors-in-Chief

Prof. Dr. Wei Pan

State Key Laboratory of New Ceramics and Fine Processing, School of Materials Science & Engineering, Tsinghua University, Beijing 100084, China

Dr. Emerson Coy

NanoBioMedical Centre, Adam Mickiewicz University in Poznań, ul. Wszechnicy Piastowskiej 3, 61-614 Poznań, Poland

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