

Special Issue

Coatings for Timber and Wood-Based Material

Message from the Guest Editor

Most wood products require coatings, whether it be wood-in-service or decorative wood, to help protect against decay and dimensional change. Wood coating technology continues to advance at a rapid pace, and encompasses not only standard weathering coatings, but also pigmented coatings such as colored resins for stabilized spalted wood. The scope of this issue will include (but is not limited to):

- Decking, utility pole, and piling coatings to protect against water and microorganisms/macroeorganisms
- Interior coatings for wood in-service, such as butcher blocks, salad bowls, tables
- UV-retardant and UV-interactive coatings
- Historic wood coatings on carvings, marquetry, intarsia, and furniture, especially as it pertains to repair and museum maintenance
- Coatings with additives, such as pigments and dyes, that add decoartive effects
- Pressure-treatment and other penetrative coatings
- Toxicity testing and concerns over wood coatings
- Durability of various coatings based on interior/exterior use (and all hybrid coatings)
- Consumer preference and trends in wood coatings
- Heat and other thermal modifications

Guest Editor

Dr. Seri C Robinson

Department of Wood Science and Engineering, Oregon State University, Corvallis, OR 97331, USA

Deadline for manuscript submissions

closed (31 December 2021)



Coatings

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.4



mdpi.com/si/63895

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

[mdpi.com/journal/
coatings](https://mdpi.com/journal/coatings)





Coatings

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.4



[mdpi.com/journal/
coatings](https://mdpi.com/journal/coatings)



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

Author Benefits

Open Access

— free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Inspec, Ei Compendex, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Physics, Applied) / CiteScore - Q2 (Surfaces, Coatings and Films)