polymers

IMPACT FACTOR 4.7

Indexed in: PubMed

CITESCORE 8.0

an Open Access Journal by MDPI

Durability and Modification of Wood Surfaces

Guest Editor:

Prof. Dr. Vlatka Jirouš-Rajković
Department of Wood Technology, Faculty of Forestry and Wood Technology, University of Zagreb, 10000 Zagreb, Croatia

Deadline for manuscript submissions:
closed (20 August 2022)

Message from the Guest Editor

Wood interacts with its environment through its surfaces, and various physical, biological, and chemical factors can cause significant changes or even degradation and decay of wood. To ensure long-term performance in applications, wood should be protected by appropriate coating systems or by surface modification treatments. Various physical, chemical, or combined (physical and chemical) wood surface modification methods can improve surface properties, such as increased adhesion property, improved wettability, enhanced water repellence, etc. Innovative modification treatments based on nanotechnology are promising for wood surfaces where the general trend requires as few visible changes as possible due to environmental and economic concerns as well as for aesthetic reasons. This Special Issue covers all methods of surface modification which can improve UV and weathering durability, decay resistance, mechanical durability, fire retardancy, and hydrophobicity of wood surface or improve its compatibility with adhesives and coatings. The aim of this Special Issue is to increase the knowledge of wood surface modification by collecting the latest research information.

polymers

IMPACT FACTOR 4.7 | Indexed in: PubMed | CITESCORE 8.0

an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Alexander Böker
Lehrstuhl für Polymermaterialien und Polymertechnologie, University of Potsdam, 14476 Potsdam-Golm, Germany

Message from the Editor-in-Chief

Since its foundation in 2009, *Polymers* has developed into an internationally renowned, extremely successful open access journal. The editorial team and the editorial board dedicatedly combine open-access publishing and high-quality rigorous peer reviewing. The performance of the journal has proven this strategy to be well-suited and highly successful. This is reflected in the increasing impact factor of *Polymers*, the most recent one being 5.0.

I would like to invite you to contribute to the success of the journal by sending us your high quality research papers. We would be pleased to welcome you as one of our authors.

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), Ei Compendex, PubMed, PMC, FSTA, CAPlus / SciFinder, Inspec, and other databases.
Journal Rank: JCR - Q1 (Polymer Science) / CiteScore - Q1 (General Chemistry)

Contact Us

Polymers Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/polymers
polymers@mdpi.com
𝕏@Polymers_MDPI