

Special Issue

Surface Biotreatment of Building Materials

Message from the Guest Editors

The surfaces of building materials are subject to weathering, dirt, and abrasion by common use. To amplify the service life of exposed building materials, coatings and surface treatments compatible to the substrate can be applied. Bio-based materials that can be applied directly or used to formulate bioproducts can be remarkably diverse. Natural oils, such as linseed oil, waxes, and other bio-based materials, can be applied directly to treat building material surfaces. This Special Issue will serve as a forum for articles on the following concepts:

State-of-the-art vernacular and innovative bioproducts and biotreatments applied on building material surfaces;

Specific test methods to assess bioproduct and biotreatment efficiency, surface compatibility, and durability in laboratory and on-site conditions;

Experimental results of simple to multifunctional biotreatments, exposed to conditions ranging from common to extreme;

Environmental assessment of innovative bioproducts for building surfaces, namely in comparison to inorganic ones.

Guest Editors

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Deadline for manuscript submissions

closed (31 March 2022)



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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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