

## Surface Biotreatment of Building Materials

Guest Editors:

**Dr. Paulina Faria**

Department of Civil Engineering,  
NOVA School of Science and  
Technology, NOVA University of  
Lisboa, 2829-516 Caparica,  
Portugal

**Dr. Julia García-González**

Department of Agricultural  
Engineering and Sciences,  
University of Leon, 24071 Leon,  
Spain

**Dr. Telma Ribeiro**

Escola Superior Gallaecia, Ensino  
Superior Universitário, 4920-275  
Vila Nova de Cerveira, Portugal

Deadline for manuscript  
submissions:

**closed (31 March 2022)**

### Message from the Guest Editors

Dear Colleagues,

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.



## 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

## Message from the Editorial Board

Now more than ever, research is called for to produce technologies and improve knowledge 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 at the center of most contemporary research. Surface science and engineering play a key role in this regard. Refining surfaces and their modifications provides new materials, architectures and processes with a huge potential to aid most societal challenges. *Coatings* is a well-established, peer-reviewed, online journal that focuses on the dissemination of publications in the field of surface science and engineering. *Coatings* publishes original research articles that report cutting-edge results and review papers on the hottest topics.

## 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, CAPlus / SciFinder, and other databases.

**Journal Rank:** JCR - Q2 (*Materials Science, Coatings & Films*) / CiteScore - Q2 (*Surfaces and Interfaces*)

## Contact Us

*Coatings* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

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

mdpi.com/journal/coatings  
coatings@mdpi.com  
X@Coatings\_MDPI