



Coatings on Built Heritage and New Build

Guest Editor:

Dr. Patricia Sanmartín

1. Departamento de Edafología y
Química Agrícola, Universidad de
Santiago de Compostela, 15782
Santiago de Compostela (A
Coruña), Spain

2. Department of Soil Science
and Agricultural Chemistry,
University of Santiago de
Compostela, 15782 Santiago de
Compostela (A Coruña), Spain

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Message from the Guest Editor

Dear Colleagues,

Characterization and evolution of biotic and abiotic coatings on building materials and structures (whether related to cultural heritage or not) is an endless area of study. The presence of patinas, crusts, and films is unavoidable because they occur as a result of interactions between the material and the environment. Varnishes, paints, lacquers, and other preparations are also extremely common in outdoor construction in order to protect from deterioration by its environment and/or to create an aesthetic effect.

This Special Issue aims to focus on the comprehensive study of coatings on different materials, including stone, mortar, metal, glass, and wood from built heritage and new builds.

The topics of interest include but are not limited to:

- Current trends, developments, and innovations for their characterization and monitoring;
- Historical coatings;
- Novel coatings.





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 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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Contact Us

Coatings Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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