



Polymer-Based Multifunctional Coatings for Cultural Heritage Protection

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Message from the Guest Editors

The scope of this Special Issue is on the advances in multifunctional coatings for surface treatment in the conservation of cultural heritage. Research articles, reviews and communications regarding new solutions for the protection of heritage objects, based on organic or inorganic polymers, organic-inorganic hybrids and/or nanocomposites are expected. Advanced techniques for analyzing polymeric coatings and assessing their behavior and performances over time are also subjects of interest.

In particular, topics of interest include, but are not limited to the following:

- Nanoparticle-based coatings;
- Superhydrophobic and amphiphobic coatings;
- Antibacterial coatings;
- Functional coatings for the protection of metallic artifacts;
- Polymer coatings for textile conservation;
- Protective coatings for paper art works and historical documents;
- Nondestructive research on coatings on cultural heritage objects;
- Self-cleaning materials for the protection of historical buildings and art objects;
- Self-healing coatings in cultural heritage;
- Protective coatings for modern/contemporary art objects and monuments.





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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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