



Heritage Conservation and Restoration: Surface Characterization, Cleaning and Treatments

Guest Editor:

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Message from the Guest Editor

Heritage Conservation and restoration are necessary because Heritage sites (historical buildings, artifacts, sculptures, paintings, etc.) are symbols of history and are subject to several degradation processes and aging due to several factors. In particular, decay processes of historical materials related to physical and chemical phenomena occur mainly in the presence of water, which is one of the most deteriorating factors, especially for porous materials (wood and stone). In addition, air pollution, dyes, and microorganism colonization are frequently related to the harmful degradation of building materials, which contribute to the decay of external historic buildings. Thus, the conservation and restoration of cultural heritage materials have become a necessity in a lot of countries. For conservation and restoration purposes, numerous new materials and methods have been developed during the past decade. Toward this goal, we are assembling a Special Issue of *Coatings*, which aims to encourage researchers and provide them with a platform to publish their novel studies. In this Special Issue, original research articles and reviews are welcome.





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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.

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