

Research and Conservation of Ancient Lacquer

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Message from the Guest Editors

Dear Colleagues,

Lacquer is a natural coating with a history of over 8,000 years, but the traditional craftsmanship of lacquerware is on the verge of disappearing. In order to gain a deeper understanding of the ancient techniques used in lacquerware production and to effectively conserve them for future generations, many laboratories have embarked on research analyzing and conserving ancient lacquerware. In this context, this Special Issue aims to present the latest developments in this field. Topics of interest include, but are not limited to, the scientific analysis of unearthed and inherited lacquerware, the restoration of lacquerware crafting techniques, the softening of lacquer films, and the dehydration and shaping of lacquer wood items.

Keywords

- ancient lacquer
- traditional craft
- scientific research
- conservation
- restoration



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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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