

Functional Coatings for Cultural Heritage Conservation

Guest Editors:

Dr. Alice Dal Fovo

Consiglio Nazionale delle
Ricerche–Istituto Nazionale di
Optica, CNR–INO, Largo E. Fermi,
650125 Florence, Italy

Dr. Raffaella Fontana

National Research Council –
National Institute of Optics, CNR-
INO, Largo E. Fermi, 650125
Florence, Italy

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Message from the Guest Editors

Dear Colleagues,

Today, a wide variety of film-forming materials are used for the protection and conservation of works of art. Coatings applied in the past have undergone transformations that have caused their morphological and structural properties to deteriorate. In order to verify the performance and durability of these materials, their chemical and physical characterisation is of paramount importance. It is also necessary to focus the research on the development of new eco-friendly materials that are compatible with the objects to be preserved and that can be removed with green solvents or other methods that do not affect the substrate.

The aim of this Special Issue is to expand the research into the development, characterisation and monitoring of materials that can be used as protective coatings on artworks of various types, compositions and sizes. Also of great interest is the definition of new methods for the removal and replacement of coatings, including the monitoring of the cleaning process.



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.

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

Tel: +41 61 683 77 34
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