



## Surface Functionalization for Technological Applications

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submissions:

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### Message from the Guest Editors

Dear Colleagues,

In recent decades, thin films and coatings have been shown to play a key role in a wide range of fields, such as photovoltaics, energy harvesting, catalysis, electronic transport, electrochemistry, wear resistance, gas sensing, biosensing and bioactive surfaces and interfaces. The aim of this Special Issue is to present both experimental and theoretical developments in the field of surface functionalization, through a combination of original research papers, review articles, and short communications.

The main topics of interest include but are not limited to:

Two-dimensional materials and their functionalization, including graphene, graphene oxide, and transition metal dichalcogenides;

Thin films and coatings;

Interaction among metals, oxides, polymers, and organic species;

Micro- and nanostructuration based on techniques such as laser and ion structuration;

Self-assembled layers;

Synthesis and characterization techniques, including ab initio calculations and modeling.





## Editors-in-Chief

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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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