



Recent Developments on Functional Coatings for Industrial Applications, Volume II

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Message from the Guest Editors

Dear Colleagues,

This Special Issue of *Coatings*, titled “Recent Developments on Functional Coatings for Industrial Applications”, aims to assess the recent research progress on functional coatings for industrial applications, attained by researchers and specialists worldwide. The purpose is to address the recent developments in functional coatings design, synthesis, and characterization, highlighting emerging industrial applications in many industrial fields (medical, smart textile design, renewable energy, oil and gas, electronic, automotive industries, etc.).

In this context, particular emphasis will be given to research developments in order to improve applications and the market extension of functional coatings and films.

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

- Superhydrophobic surfaces and films;
- Self-healing coatings for corrosion protection;
- Biomedical and biocompatible coatings;
- Conductive polymer films;
- Functional coatings for renewable energy applications;
- Nanostructured and topographic functional coatings.





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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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