



Recent Developments on Functional Coatings for Industrial Applications

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Message from the Guest Editors

The Special Issue of the *Coatings* journal is aimed to assess the recent research progress on functional coatings for industrial applications, by worldwide researchers and specialists. The purpose is to address the recent development on functional coatings design, synthesis, and characterization, highlighting its emerging industrial applications in many industrial fields, such as medical, smart textile design, renewable energy, oil and gas, electronic, automotive industries, etc. In such a context, particular emphasis will be given to research developments in order to improve applications and the market extension of functional coatings and films.

This Special Issue will consist of original research and review articles. It will offer the readers the newest R&D work on industrially relevant functional coatings.

In particular, 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 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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