



New Strategies and Recent Advances in Investigations of Micro- and Nano-Coatings for Technological and Biomedical Applications

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Message from the Guest Editors

Dear Colleagues,

In recent decades, micro- and nano-technology have made substantial contributions to the significant progress in different fields, such as industries, and the pharmaceutical and biomedical domains. Their advancement has led to the development of improved and new materials, tools, and devices, with various applicabilities. Studies have generally become more interdisciplinary and complex. Our hope is that the reviews and original papers published in this Issue will have a widespread impact, adding value to the present research information. Papers submitted to this Issue are expected to be in line with the recent achievements in the fabrication coatings processes, and show correlations between structure, interface, and properties to improve on performance.

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

- Passive micro-/nano-coatings on valve metals;
- Hybrid complex coating with bioactive components;
- Surface and interface engineering to improve the materials' performance;
- The relationship between structure, properties, and materials' applications.





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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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