

Special Issue

Recent Advancement in Surface Modification of Metallic and Composite Materials

Message from the Guest Editors

Recent theoretical and experimental developments in surface modifications are among the most highly exploited research systems in the fields of tribology, corrosion, surface science and engineering. Driven by the current state of knowledge regarding surface modification, the need to develop new materials and surface-modified technologies towards the durability of new surface treatments and modifications, have seen a huge demand on experimental, theoretical and modeling activities.

The scope of this Special Issue will cover, but not be limited to, the following:

Tribology, corrosion, as well as protective and preventive surface coating mechanisms;
Recent developments in multi-functional organic, inorganic and hybrid coatings;
Coatings produced by different processes;
Experimental and processing high-performance surface treatments and coatings;
The latest developments of test methods;
Computer modeling and simulation.

Guest Editors

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Deadline for manuscript submissions

closed (15 October 2022)



Coatings

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Impact Factor 2.8
CiteScore 5.4



mdpi.com/si/112484

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About the Journal

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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