

Microstructure, Friction and Wear, Hardness Properties and Numerical Simulation of Coatings

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Message from the Guest Editors

Dear Colleagues,

The coating is a layer on the substrate to protect and enhance the object. In machinery, metallurgy, and other fields, many products have the risk of wear and corrosion. In order to improve the properties of products in harsh work conditions, the performance of coating becomes important. Therefore, we would like to invite you to submit your original research to this *Coatings* Special Issue entitled “Microstructure, friction and wear, hardness properties and numerical simulation of coatings”.

The topics of interest for this Special Issue, in particular, include (but are not restricted to):

- Surface coating technology;
- Coating microstructure characterization;
- Coating material design;
- Friction and wear properties of the coating; Simulation and analysis of coatings;
- Topics such as magnesium, aluminum, titanium, shape memory alloys and XRD, SEM, and TEM analysis;
- Other aspects on coating material.

We look forward to receiving your contributions.



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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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