



Functional Nanofilms: From Fundamentals to Applications

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Deadline for manuscript submissions:

closed (10 October 2021)

Message from the Guest Editors

We would like to invite you to submit your work to this Special Issue on "Functional Nanofilms: From Fundamentals to Applications". The Editors of the journal and the Special Issue will be glad to consider proposed publications in all areas related to new approaches in the formation of thin films and functional nanomaterials with desired properties, their research, and their applications. In particular, the topics of interest include, but are not limited to:

- Sensor development based on nanofilm functional materials;
- Nanofilms for plasmonic applications;
- Fundamental aspects of nanofilm features;
- Thin-film magnetic systems;
- Technological aspects of creating and managing the properties of nanofilms;
- Microdevices based on controlled electrical, optical, and magnetic properties of nanofilms;
- Newest nanostructured thin-film material applications;
- Overcoming challenges in controlled nanostructured material fabrication;
- Composite and nanocomposite films;
- Optical coatings;
- Protective coatings (chemical or environmental).





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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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