

Special Issue

Functional Nanofilms: From Fundamentals to Applications

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).

Guest Editors

Prof. Dr. Ilya A. Ryzhikov

Institute for Theoretical and Applied Electromagnetics of the Russian Academy of Sciences, Moscow 125412, Russia
FMN Laboratory, Bauman Moscow State Technical University, Moscow 105005, Russia
Moscow Institute of Physics and Technology, Moscow 141700, Russia

Dr. Irina Boginskaya

Institute for Theoretical and Applied Electromagnetics of the Russian Academy of Sciences, Moscow 125412, Russia
Moscow Institute of Physics and Technology, Moscow 141700, Russia

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
coatings@mdpi.com

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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.

Editors-in-Chief

Prof. Dr. Wei Pan

State Key Laboratory of New Ceramics and Fine Processing, School of Materials Science & Engineering, Tsinghua University, Beijing 100084, China

Dr. Emerson Coy

NanoBioMedical Centre, Adam Mickiewicz University in Poznań, ul. Wszechnicy Piastowskiej 3, 61-614 Poznań, Poland

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