

Advances in Deposition and Surface Modification of Oxide Thin Films and Nanocoatings

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Message from the Guest Editor

Dear Colleagues,

We would like to invite you to submit your work to our Special Issue entitled "Advances in Deposition and Surface Modification of Oxide Thin Films and Nanocoatings".

Ultrathin films and nanocoatings are 2D nanostructures with thicknesses of less than 100 nm. Scientific interest in obtaining and studying such nanostructures increased remarkably in the late 20th and early 21st centuries. However, despite the vast amount of research conducted in this area nowadays, interest in the study of nanocoatings has not decreased. This is due to great advances in the study of nanocoatings and their wide range of applications. Oxide nanocoatings are one of the most common but useful and promising types of coatings. Due to their variety of chemical and physical properties, they are widely used in energy storage, medicine, electronics, catalysis, corrosion protection, optics, sensors, photovoltaics, etc. Such a wide variety of applications requires a significant number of modern techniques for obtaining thin films and nanocoatings, as well as approaches to modifying and studying them.



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Message from the Editorial Board

Now more than ever, research is called for to produce technologies and improve knowledge 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 at the center of most contemporary research. Surface science and engineering play a key role in this regard. Refining surfaces and their modifications provides new materials, architectures and processes with a huge potential to aid most societal challenges. *Coatings* is a well-established, peer-reviewed, online journal that focuses on the dissemination of publications in the field of surface science and engineering. *Coatings* publishes original research articles that report cutting-edge results and review papers on the hottest topics.

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