

Special Issue

Functional Oxide Thin Films and Nanostructures: Growth, Properties, and Applications

Message from the Guest Editors

It is our pleasure and honor to invite you to submit your contribution to this Special Issue of *Coatings* entitled “Functional Oxide Thin Films and Nanostructures: Growth, Properties, and Applications”. This Special Issue is intended as an effort to bridge the gap between materials science and the applications of oxide thin films and nanostructures. In particular, the topics of interest include but are not limited to:

- Novel technologies to fabricate oxide nanomaterials;
- Flexible and mechanically rigid oxide materials;
- Wide categories of functional oxides (semiconducting, superconducting, magnetic, ferroelectric, multiferroic, optical);
- Understanding of structures and properties of oxide materials effectively exhibiting above functions;
- Similarities and differences between “normal thin films” and “ultrathin films and multilayers”, influenced by surfaces and interfaces;
- Similarities and differences between “normal composites” and “nanocomposites”, influenced by larger and smaller grain.

Guest Editors

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Deadline for manuscript submissions

closed (31 May 2022)



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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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