



Advances in Protective, Decorative, or Functional Metal Oxide Layers

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submissions:
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Message from the Guest Editors

Dear Colleagues,

This Special Issue is dedicated to the most recent advancements regarding metal oxide layer deposition, characterization and application as protective, decorative or functional coatings onto any kind of substrate. The Issue covers all types of metal oxides with electrical, optical, mechanical, sensing, piezoelectric, superconducting, catalytic, photocatalytic, thermoelectric, phase-transforming, magnetic, ferroic, and multiferroic properties, and includes, but is not limited to, the following topics:

- Thin and thick films;
- Nanostructured coatings;
- Nanostructured coating systems;
- High surface area systems;
- Fabrication technologies and characterization techniques;
- Surface and interfaces processes;
- Transport phenomena;
- Design and simulation models;
- Functional devices of any kind.

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.

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