

Advances in Ceramic Coatings

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Message from the Guest Editor

Dear Colleagues,

We would like to invite you to submit your work to this Special Issue on "Advances in Ceramic Coatings". Ceramic coatings are able to add desirable functions or modify properties without changing the base materials thanks to their unique capabilities. They are attracting increased attention because thin films show significantly different characteristics from bulk material. Fabrication methods and combinations of materials are also important factors that determine the quality of coatings. The aim of this Special Issue is to highlight some of the most recent and most significant contributions to the ceramic coatings field, through a combination of original research papers and review articles from leading groups around the world.

In particular, the topics of interest include but are not limited to:

- Ceramic coatings for severe environmental conditions
- Ceramic coatings for corrosion protection
- Ceramic coatings for nuclear applications
- Ceramic coatings as hydrogen permeation barriers
- Novel techniques of ceramic coating fabrication

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Guest Editor



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Special Issue

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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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