



Carbon and Carbon-Based Composite Thin Films/Coatings: Synthesis, Properties and Applications

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Message from the Guest Editors

This Special Issue is intended to collect current work on the development, characterization, and deformation mechanism of carbon-based coatings. We encourage you to send manuscripts containing scientific findings and significant contributions for the promotion of carbon-based coatings.

In particular, the topic of interest includes but is not limited to:

- Techniques to deposit carbon-based coatings;
- Characterization of carbon-based coatings;
- Optical, electrical, and mechanical properties of carbon-based coatings;
- Deformation mechanism of carbon-based coating under extreme conditions;
- Variation of optical, electrical, mechanical properties under different conditions;
- Determination of the carbon-based coating adhesion strength;
- Corrosion behavior of carbon-based coatings;
- Modeling and simulation of optical, electrical, mechanical behavior;
- Applications of carbon-based coatings.





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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.

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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