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Advances in Diamond Materials and Films

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Deadline for manuscript submissions:
closed (30 September 2024)

Message from the Guest Editors

Dear Colleagues,

We would like to invite you to submit your work to this Special Issue on "Advances in Diamond Materials and Films".

The synthesis, characterization, and processing of single-crystal diamonds, polycrystalline films, nanodiamond powders, and heterostructures with other advanced materials are topics of interest for the technical and review articles that will comprise this Special Issue.

The aim of this Special Issue is to present the latest experimental and theoretical developments in the field through a combination of original research papers and review articles. In particular, the main topics of interest include but are not limited to the following:

- The fundamentals and new concepts of diamond hybrid materials;
- Novel synthesis methods for diamond and hybrid materials;
- Surface modeling and characterization methods for diamond hybrid materials;
- The applications of diamond hybrid materials.

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Guest Editors

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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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