



Advanced Coatings for Biomedical Applications

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submissions:

closed (30 September 2023)

Message from the Guest Editors

Dear Colleagues,

Special Issue “Advanced Coatings for Biomedical Applications” serve as an international medium for discussion of topics contributing to a better understanding of the formation, characterization, and modeling of thin films and coatings for modern biomedicine, including but not limited to intermetallics, polymers, and others.

This Special Issue aims to collect papers discussing the topics related to the application formation of surface coatings using Physical Vapor Deposition (PVD), Chemical Vapor Deposition (CVD), and other methods. Papers discussing the surface structures formed by different treatment techniques (e.g., laser beam, electron beam, etc.) with enhanced functional properties for biomedical applications, as well as the modeling of the processes, are also welcome. We invite you to submit a paper; full papers, communications, and reviews are welcome.

The scope of the Special Issue will serve as a forum for papers on the following concepts:

- Thin film and coating deposition;
- Biocompatibility;
- Antibacterial properties;
- Corrosion properties;
- Mechanical properties.





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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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