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Functional Thin Films for Bio-Implants Applications

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Deadline for manuscript submissions:
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Message from the Guest Editors

Functional thin films have excellent performance in various applications, such as thermal insulation elements, optical devices, and mechanical instruments, especially bio-implants. They are believed to possess a wide prospect of applications for their chemical resistances, mechanical toughness, and biocompatibility. However, functional thin films are, in most cases, still dominated by work on the development of metal implants. This Special Issue aims to cover research of relevance to various functional thin films for bio-implants applications. Focus will be on novel processing techniques related to these topics. The scope of this Special Issue includes, without being limited to, the following theme: Processing methods and technologies, characterization of properties of functional thin films. Contributions that provide an overview of functional thin films are also welcome. It is our pleasure to kindly invite you to submit a manuscript(s) for this Special Issue. Full papers, communications, and reviews are all very welcome.

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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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