

Bioactive Coatings for Implantable Devices

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Message from the Guest Editor

Dear Colleagues,

Implantable materials are becoming more and more important as an alternative to repair, assist or replace defective parts of the body, such as dental, orthopedic, and cardiac implants. The properties of the materials have to match the mechanical stress applied to the implant. Implanted materials will be in direct contact with viable tissues in the body, which can cause an adverse reaction. Ideal implant material should be biocompatible, nontoxic, noncarniogenic, nonpyrogenic and nonallergenic. Further, the implants should have strength, durability, and show resistance to fatigue or corrosion.

This Special Issue of *Coatings* will cover original research articles and review papers. The topics of interest include but are not limited to the development and application of surface coating for dental, orthopedic, and cardiac implants. This Special Issue will provide understanding of the current trends in those fields.

We look forward to receiving your contribution.



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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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