

Special Issue

Bioactive Coatings for Implantable Devices

Message from the Guest Editor

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.

Guest Editor

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About the Journal

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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