



Biomaterials and Antimicrobial Coatings

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Message from the Guest Editors

Recently, the materials science field has been rapidly expanding and the area of biomaterials is one of the most studied due to its importance at a global level. In the past few decades, numerous significant advances have been registered in the technology of biomedical coatings and materials with multiple uses in medicine, dentistry, pharmaceuticals, and the food industry. Furthermore, great importance has been attributed to the development of biomaterials with antimicrobial properties due to their tremendous potential in the development of novel antimicrobial agents. Thus, significant efforts have been made to develop new and improved nanocomposites with biocompatible properties and antimicrobial activity to be used in biomedical applications. In this context, this Special Issue is focused on the development of biomaterials with antimicrobial properties for biomedical applications.

About the Topics of Interest

In particular, the topics of interest include but are not limited to the following:

- Biomaterials
- Antimicrobial properties
- Biocompatible coatings
- Biocompatible coatings with antimicrobial 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.

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