



Surface Engineering of Biomaterials

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Message from the Guest Editor

Dear Colleagues,

This Special Issue seeks to highlight original research papers or review articles that report on the current state-of-the-art in surface engineering of biomaterials, particularly implants and biomedical devices. The topics of interest include, but are not limited to:

- Mechanical methods:
 - Blasting
 - Polishing
- Chemical and electrochemical methods:
 - Etching
 - Alkali treatment
 - Anodizing
 - Electrophoretic deposition (EPD)
 - Chemical vapor deposition (CVD)
- Physical methods:
 - Physical vapor deposition (PVD)
 - Sputtering
 - Plasma Ion implantation and deposition
 - Laser or electron beam patterning
 - Atomic layer deposition (ALD)
 - Plasma electrolyte oxidation (PEO)
 - Plasma polymerization

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Guest Editor





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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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