



Biological Testing of Bioceramics for Orthopedic and Dentistry Applications

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Message from the Guest Editor

Dear Colleagues,

Surface science and engineering play a major role in addressing major societal challenges, and, in this particular case, we look at the evaluation of safety and efficacy of new biomaterials.

We launch this Special Issue with a focus on biological testing of such biomaterials, and we invite you to contribute with original articles and review papers. The main subject will be bioceramics, with applications to dentistry and bone repair, yet we stay open to other biomaterials used as coatings in medical applications (like biocellulose, collagen, and hydrogels).

The Special Issue is open both to the development and application of in vitro models (classical 2D models, tissue reconstructed models) and the development and application of in vivo models.

We look forward to receiving your contribution!

Dr. Radu Albuлесcu

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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