

Application, Processing and Testing of Modern Biomaterials

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Message from the Guest Editors

The aim of this Special Issue is to present the latest experimental and theoretical achievements in the field, through a combination of original research papers as well as comprehensive reviews addressing the relevant state-of-the-art topics in the area of medical applications, from leading research groups around the world, covering the most recent advances in modern biomaterials. Scientific and technological progress has been achieved on this topic by universities and research institutes worldwide.

In this Special Issue, original research articles and reviews are welcome. Research areas may include (but not limited to) the following:

- Modern biomaterials that can be reengineered into molded or machined parts, coatings, fibers, films, foams, and fabrics for use in biomedical products and devices;
- Attainment of all types of biomaterials used for medical applications: metallic, ceramics, polymers, composites;
- Mechanical coating/alloying/treatment of the metallic and non-metallic materials;
- Thermo/chemical treatment of the metallic and non-metallic materials;



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Special Issue

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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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