Special Issue

Advanced Biomaterials for Bone and Soft Tissue Regeneration, Perimplantitis Treatment, Implant Prosthetics

Message from the Guest Editors

The development of biomaterials for restoring hard and soft tissue lost for different reasons includes several aspects of basic sciences. The knowledge of such aspects allows us to understand how biomaterials interact with living tissues, which may improve clinical procedures and optimize treatment protocols.
In recent years, there has been an increased interest in applying advanced biotechnologies to tissue engineering in dentistry. Three-dimensional nano-scaffolds combined with growth factors, signaling molecules and cell therapies, innovative implant surfaces, and prosthetic solutions have proved to be promising approaches in oral surgery protocols aiming to improve wound healing, prevent bone resorption, and preserve the alveolar ridge in order to provide sufficient bone support for oral rehabilitation.
The aim of this Special Issue is to evaluate original research papers, reviews, and technical reports, encouraging manuscripts concerning the state of the art in the fields of bioinspired approaches and materials for the treatment of periimplantitis, the management of soft tissue around implants, and the development of innovative implant prosthetic solutions.

Guest Editors

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Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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