Special Issue

Advanced Biomaterials for Dental and Bone Regeneration

Message from the Guest Editors

In the dental field, a new therapeutic frontier is certainly represented by the possibility of regenerating tissues that have been lost for pathological or traumatic reasons. The ability to understand the biology of bone regeneration has changed the approach to osteointegrated implantology, greatly expanding the field of application of this discipline even in clinical situations where the pre-existing bone volume is not sufficient. In recent years, research has also been considerably focused on the regeneration of pulpal tissue and soft gingival tissue. On this last aspect, pre-clinical and clinical studies have demonstrated the role played by soft tissues in maintaining the dimensional stability of the underlying bone tissue, highlighting the need to have available not only an adequate band of keratinized tissue but also an adequate thickness of the soft tissues, both in the periodontal and peri-implant fields. In this Special Issue of Materials, we aim to highlight new approaches and consolidate known therapies through articles of high clinical and scientific value.

Guest Editors

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Deadline for manuscript submissions

closed (20 January 2024)

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/174274

Materials
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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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