



materials



an Open Access Journal by MDPI

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

Guest Editors:

Prof. Dr. Tiziano Testori

Prof. Dr. Massimo Del Fabbro

1. Department of Biomedical,
Surgical, Dental Sciences,
Università degli Studi di Milano,
20122 Milano, Italy
2. IRCCS Orthopedic Institute
Galeazzi, 20161 Milano, Italy

Deadline for manuscript
submissions:

closed (20 January 2024)

Message from the Guest Editors

Dear Colleagues,

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.



mdpi.com/si/115239

Special Issue



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada

2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Ei Compendex, CaPlus / SciFinder, Inspec, Astrophysics Data System, and other databases.

Journal Rank: JCR - Q2 (*Metallurgy & Metallurgical Engineering*) / CiteScore - Q2 (*Condensed Matter Physics*)

Contact Us

Materials Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/materials
materials@mdpi.com
[X@Materials_Mdpi](https://twitter.com/Materials_Mdpi)