



Dental Implants, Mechanical Behavior of Biomaterials and Tissue Engineering: Design, Structure and Properties

Guest Editor:

Prof. Dr. Pietro Ausiello

Department of Neurosciences,
Reproductive Sciences and
Odontostomatological Sciences,
University of Naples Federico II,
80131 Naples, Italy

Deadline for manuscript
submissions:

closed (30 September 2021)

Message from the Guest Editor

The biocompatibility of materials involved in dental implant and tissue engineering therapies is a well known property able to show favorable response in a particular biological environment in a specific function. However, tissue engineering is an interdisciplinary field dedicated to the regeneration of functional human tissues. The classic paradigm relies on a combination of biomaterial scaffolds, cells, and bioactive molecules to orchestrate tissue formation and integration within the host environment. This Special Issue aims to offer a great selection of research and clinical contributions in the field of regenerative dentistry, also with the support of 3D-bioprinting by fabrication of biostructures with high degree of complexity, fine architecture, and heterogeneous composition.

It is my pleasure to invite you to submit a manuscript for this Special Issue. Full papers, communications, and reviews are all welcome.





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 and Metallurgical Engineering) / CiteScore - Q1 (Condensed Matter Physics)

Contact Us

Materials Editorial Office
MDPI, Grosspeteranlage 5
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)