



an Open Access Journal by MDPI

## Dental Implant Biomaterials

Guest Editor:

**Dr. María Piedad Ramírez  
Fernández**

Cátedra Internacional de  
Investigación en Odontología,  
Universidad Católica de Murcia  
(UCAM), 30107 Murcia, Spain

Deadline for manuscript  
submissions:

**closed (31 March 2021)**

### Message from the Guest Editor

The use of dental implants for the rehabilitation of missing teeth has increased treatment options for patients. Loss of teeth in the posterior maxillary area can lead to adverse consequences. At present, there are several types of graft materials used in this procedure, each with its advantages and disadvantages. Ideal graft implant material should be biocompatible, increase bone volume in the grafted area to promote initial stability at implant sites, and be resorbed with time and be replaced with native bone. That is why the goal is to seek an ideal scaffold that provides good mechanical support temporarily while maintaining bioactivity, and which can biodegrade later at a tailorable rate.

It is, therefore, my immense pleasure to invite you to submit a manuscript for the Special Issue, “**Dental Implant Biomaterials**” covering any aspect of the properties and behavior of dental implant materials, including in vitro and in vivo studies.

### Keywords

- scaffolds
- bone grafts
- bone tissue–material interaction
- resorption
- histomorphometric analysis



[mdpi.com/si/30214](https://mdpi.com/si/30214)

# Special Issue



an Open Access Journal by MDPI

## Editors-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

### Prof. Dr. Yuguang Ma

State Key Laboratory of Luminescent Materials and Devices, South China University of Technology, Guangzhou 510640, China

## Message from the Editorial Board

*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](http://www.mdpi.com)

[mdpi.com/journal/materials](http://mdpi.com/journal/materials)  
[materials@mdpi.com](mailto:materials@mdpi.com)  
[X@Materials\\_Mdpi](https://twitter.com/Materials_Mdpi)