



an Open Access Journal by MDPI

## Advances in Dental Implants and Prosthetics Materials

Guest Editor:

**Prof. Dr. Xiaohui Rausch-Fan**

Division of Conservative Dentistry  
and Periodontology, Center of  
Clinical Research, School of  
Dentistry, Medical University of  
Vienna, Vienna, Austria

Deadline for manuscript  
submissions:

**20 February 2025**

### Message from the Guest Editor

Dear Colleagues,

The applications of new biomaterials and techniques can lead to significant advances in the field of dentistry, such as restorative dentistry, prosthodontics, and oral implantology. Recently, various biotechnologies have been developed in dentistry and have had a great impact on dental implants and prosthetics material. Biomechanics and cell tissue biocompatibility of different implant materials have been intensively investigated.

1. Research on biomechanics and biocompatibility of different implant materials and their surface modifications in vitro and vivo.
2. Studies on clinical trials for aesthetic reasons, occlusal function and stability of different implant materials and their supported restorations.
3. Studies on material applications and design in the digital flow of implant-supported prosthetics.
4. Investigations into periimplant diseases related to implant materials and implant-supported prosthetics.





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 - Q1 (Metallurgy and Metallurgical Engineering) / CiteScore - Q2 (*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)