

## Special Issue

# Ceramic Materials for Dental Implant and CAD-CAM Prostheses

### Message from the Guest Editor

The Special Issue “Ceramic materials for dental implant and CAD-CAM prostheses” mainly addresses the various physical and biological properties of ceramic materials, which are currently used as diverse dental restorations, including implant prosthetics. With the recent rapid development of materials science studies, the advantages of ceramic dental prosthetic materials have exceeded mere aesthetics for anterior restorations. Ceramic materials now have the physical and chemical durability that surpasses conventional metal materials for dental prostheses, making them the alternative choice even for posterior teeth. Furthermore, the application of the digital dentistry approach using CAD-CAM, which provides new paradigms and functions, from diagnosis and treatment plans to fabrication of definite prosthesis. It also improves the overall treatment experience, such as comfort for the patients, usability for practitioners, reduced treatment time, and enhanced overall precision. Also, when ceramic materials were used as implant components, the results showed excellent hard and soft tissue biocompatibility, which confirms their competence as long-lasting materials.

---

### Guest Editor

Prof. Dr. Jung-Suk Han

Department of Prosthodontics, School of Dentistry, Seoul National University, 101, Daehak-ro, Jongno-gu, Seoul 03080, Korea

---

### Deadline for manuscript submissions

closed (20 June 2022)



## Materials

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.2  
CiteScore 6.4  
Indexed in PubMed

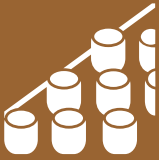


[mdpi.com/si/60428](https://mdpi.com/si/60428)

*Materials*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[materials@mdpi.com](mailto:materials@mdpi.com)

[mdpi.com/journal/  
materials](https://mdpi.com/journal/materials)





# Materials

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.2  
CiteScore 6.4  
Indexed in PubMed



[mdpi.com/journal/  
materials](https://mdpi.com/journal/materials)



## About the Journal

### 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.

---

### 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

---

### 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)