

## Special Issue

# Modern Materials Used in Dentistry - Review of XXI Century Knowledge

### Message from the Guest Editors

The development of dentistry in the past 20 years is compelling, especially in dental materials science. The composition of materials; the biological, physical and chemical features of materials; material engineering; various aspects of biocompatibility; the release of ingredients from materials themselves and their coatings, new types of medicines, new formulations, as well as 3D printing are very promising and rapidly developing branches of dentistry. Furthermore, the aspect of ecology in the production of novel materials should be taken into account. We would like to introduce the XXI century trends in dental materials manufacturing, processing and pharmacy and the expectations associated with them. The aim of this Special Issue is to emphasize the recent changes and trends in this branch of oral sciences and to present the latest original and review papers related to modern dental materials. We invite you to upload original papers and reviews (including metaanalysis and systematic reviews, in particular) on the topics mentioned above.

### Guest Editors

Dr. Anna Paradowska-Stolarz

Department of Dentofacial Anomalies, Department of Orthodontics and Dentofacial Orthopedics, Wrocław Medical University, Wrocław, Poland

Prof. Dr. Mieszko Wieckiewicz

Department of Experimental Dentistry, Wrocław Medical University, 26 Krakowska St., 50425 Wrocław, Poland

### Deadline for manuscript submissions

closed (20 June 2023)



## Materials

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.1  
CiteScore 5.8  
Indexed in PubMed



[mdpi.com/si/108782](https://mdpi.com/si/108782)

*Materials*

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 3.1  
CiteScore 5.8  
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 - Q1 (Metallurgy and Metallurgical Engineering) /  
CiteScore - Q2 (Condensed Matter Physics)