

## Special Issue

# Advanced Resin-Based Materials and Composites

### Message from the Guest Editor

This Special Issue aims to highlight recent advancements in resin-based materials and composites in dental biomaterials, focusing on innovations in their mechanical, biological, and clinical properties. It seeks to present original research that bridges laboratory findings with clinical applications, exploring how these materials enhance patient care and treatment outcomes. The key goals include examining new materials, manufacturing techniques, and their clinical relevance, as well as assessing their long-term performance and biocompatibility. We encourage contributions that explore the integration of advanced biomaterials into everyday dental practice, offering solutions to common challenges and improving the effectiveness of dental treatments.

Authors are invited to submit original papers that are scientifically rigorous, clearly structured, and clinically relevant. Topics of interest include the development and characterization of advanced composites, the optimization of material properties, fabrication methods, and the use of biomaterials in prosthodontics and restorative dentistry.

---

### Guest Editor

Prof. Dr. Pietro Ausiello

School of Dentistry, University of Naples Federico II, Via S. Pansini 5,  
80131 Naples, Italy

---

### Deadline for manuscript submissions

30 November 2025



## Materials

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.2  
CiteScore 6.4  
Indexed in PubMed



[mdpi.com/si/237846](https://mdpi.com/si/237846)

*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)