

## Special Issue

# Advanced Topographical and Morphological Characterizations of Materials for Biomedical Applications

### Message from the Guest Editors

Research in the field of materials science and engineering has advanced greatly in recent decades, especially in the field of biocompatible materials, on the one hand, medicine needs effective solutions to remedy health problems, and on the other hand, certain classes of biomaterials have confirmed their usefulness in ameliorating/curing certain diseases. This Special Issue aims to highlight new types of advanced biomaterials and advanced technologies, applicable in medicine and biology, but also as tools for research. Studies focusing on the theoretical simulation, computerized procedures, mathematical algorithms, and optimal research techniques applied to biocompatible materials are also welcome. Researchers involved in the field of biomaterials and related disciplines (science, engineering, and manufacturing industry) are invited to publish their recent studies in this Special Issue.

### Guest Editors

Dr. Ștefan Țălu

Dr. Sebastian Stach

Dr. Mihai Țălu

### Deadline for manuscript submissions

closed (20 May 2022)



## Materials

an Open Access Journal  
by MDPI

Impact Factor 3.2  
CiteScore 6.4  
Indexed in PubMed



[mdpi.com/si/78259](https://mdpi.com/si/78259)

*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)