

## Special Issue

# Bioinspired Materials for Surface and Interface Engineering: From Design to Applications

### Message from the Guest Editors

In recent years, the understanding of the role of biological material interfaces (BMIs) in determining the properties and functions of biological materials has evolved into an emerging interdisciplinary research field that intersects with physics, chemistry, biology, and medicine. This Special Issue, which is grounded in a bionics perspective, aims to provide readers with a rich background to address the design of and innovative problem-solving in surface technology. Both fundamental research and applications will be covered in dedicated sections, focusing on the adjustment of the physicochemical and structural properties of surfaces and interfaces; the biocompatibility and bioactivity of functionalized surfaces and interfaces; and bioinspired and biomimetic materials and devices with advanced structures and functions. These topics are applicable for exchange and learning in fields such as environmental science, nanotechnology, food processing, additive manufacturing, surface processing, and engineering.

---

### Guest Editors

Dr. Xinlin Li

Dr. Zhengping Fang

Dr. Wei Tong

---

### Deadline for manuscript submissions

20 February 2026



## Materials

---

an Open Access Journal  
by MDPI

---

**Impact Factor 3.2**  
**CiteScore 6.4**  
**Indexed in PubMed**



[mdpi.com/si/245029](https://mdpi.com/si/245029)

*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)