

## Special Issue

# Low-Carbon and Functional Cementitious Materials

### Message from the Guest Editors

This Special Issue aims at building a research platform for low-carbon and functionalized cementitious materials, focusing on exploring and sharing new concepts, discoveries, advances, and applications. We welcome submissions of original research and review articles on topics including, but not limited to, the following:

- Design of low-carbon and functional cementitious materials;
- Performance characterization and prediction of low-carbon and functional cementitious materials;
- Mechanism exploration of low-carbon and functional cementitious materials;
- Additive manufacturing of low-carbon and functional cementitious materials.

The Keywords are as following:

- cementitious materials
- material design
- low-carbon
- functionalization
- carbon capture, utilization, and storage
- alternative cementitious material
- supplementary cementitious material
- performance characterization
- 3D printing

---

### Guest Editors

Prof. Dr. Hongzhi Zhang

School of Qilu Transportation, Shandong University, Jinan 250002, China

Dr. Junxing Liu

School of Qilu Transportation, Shandong University, Jinan 250002, China

---

### Deadline for manuscript submissions

20 January 2026



## Materials

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.2  
CiteScore 6.4  
Indexed in PubMed



[mdpi.com/si/246041](https://mdpi.com/si/246041)

*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)