

## Special Issue

# Chemistry and Technology of Materials Based on Silicon Compounds (2nd Edition)

### Message from the Guest Editor

Silicon is a special element with a unique chemical behavior as a result of its location in the periodic table, on the border of organic and inorganic chemistry and between metallic and nonmetallic elements. Silicon and silicon compounds have made a significant contribution to technical progress. Silicon compounds are widely applicable, being found in everything from cheap bulk goods to highly sophisticated special materials. We are witnessing the intensive development of new technologies for obtaining new materials and this development would not be possible without silicon. Every day there are new literature reports on the widely understood chemistry of silicon. This is a second edition of the Special Issue “Chemistry and Technology of Materials Based on Silicon Compounds”. This is a great opportunity to publish original research that will enrich the current knowledge on the synthesis, properties, and applications of silicon-based materials, as well as the use of this type of compound to modify materials to improve and change their properties. Of course, critical reviews are also welcome.

---

### Guest Editor

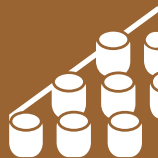
Dr. Karol Szubert

Department of Silicon Compounds Chemistry and Technology, Faculty of Chemistry, Adam Mickiewicz University, Poznań St. Uniwersytetu Poznańskiego 8, 61-614 Poznań, Poland

---

### Deadline for manuscript submissions

10 November 2025



## Materials

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.1  
CiteScore 5.8  
Indexed in PubMed



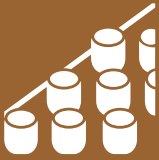
[mdpi.com/si/216840](https://mdpi.com/si/216840)

*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)