

## Special Issue

# Textile-Based Advanced Materials: Construction, Properties and Applications

### Message from the Guest Editors

The field of textiles is not limited only to apparel and fashion, and has applications in many more areas. The sector possesses an array of technologies to physically engineer fibrous materials into structures; to combine disparate materials to create hybrids, composites and blends; and for their chemical treatment. The results find applications in such diverse areas as medicine, physical well-being, sports, smart materials, engineering, energy storage, etc. This Special Issue focuses on such areas. The scope includes methods of construction, chemical processing, property characterizations and validation tests in targeted applications. We welcome both review and experimental articles on the topic.

### Guest Editors

Prof. Dr. Thomas Bechtold

Universität Innsbruck, Research Institute for Textile Chemistry and Textile Physics, Dornbirn, Austria

Dr. Avinash P. Manian

Universität Innsbruck, Research Institute for Textile Chemistry and Textile Physics, Dornbirn, Austria

### Deadline for manuscript submissions

closed (31 October 2020)



## Materials

an Open Access Journal  
by MDPI

Impact Factor 3.2  
CiteScore 6.4  
Indexed in PubMed



[mdpi.com/si/19731](https://mdpi.com/si/19731)

*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)