

Special Issue

Smart Textile Materials and Fabric-Based Wearable Devices

Message from the Guest Editor

This is a Special Issue of the journal *Materials* dedicated to Smart Textile Materials and Fabric-Based Wearable Devices which welcomes innovative works which explore new challenges in the future applications of healthcare, consumer products, and human-machine interfaces. Textiles are soft, flexible, lightweight, breathable and conformable platforms. Recently, they have offered an excellent platform for incorporating sensors into human-based sensing applications, including temperature sensors, humidity sensors, and physical sensors. Furthermore, the development of flexible, textile-based energy harvesters and storage devices including fiber-based supercapacitors and batteries has progressed significantly in the past decade. I invite your recent research articles, review articles, and brief communications on all topics related to smart textile materials and fabric-based wearable devices. Keywords

- textile/fiber based electronics
- conductive fibers
- textile sensors and actuators
- energy harvesting and power storage
- smart textile and printed electronics
- wearable technology

Guest Editor

Assoc. Prof. Jihyun Bae
Hanyang University, Seoul, South Korea

Deadline for manuscript submissions

closed (20 August 2022)



Materials

an Open Access Journal
by MDPI

Impact Factor 3.1
CiteScore 5.8
Indexed in PubMed



mdpi.com/si/38907

Materials
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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)