



an Open Access Journal by MDPI

## Material Innovations for Electronic Technical Textiles

Guest Editors:

### Dr. Theodore Hughes-Riley

Advanced Textiles Research  
Group, School of Art and Design,  
Nottingham Trent University,  
Bonington Building, Dryden  
Street, Nottingham NG1 4GG, UK

### Prof. Dr. Tilak Dias

Advanced Textiles Research  
Group, Nottingham School of Art  
and Design, Nottingham Trent  
University, Bonington Building,  
Dryden Street, Nottingham NG1  
4GG, UK

### Dr. Arash Shahidi

Advanced Textiles Research  
Group, School of Art and Design,  
Nottingham Trent University,  
Bonington Building, Dryden  
Street, Nottingham NG1 4GG, UK

Deadline for manuscript  
submissions:

**30 April 2025**

### Message from the Guest Editors

Dear Colleagues,

This Special Issue on ‘Materials Innovations for Electronic Technical Textiles’ will focus on the development, application, and performance of novel material innovations for use in the creation of technical electronic textiles. Technical textiles describe textiles where their functionality and technical performance are prioritized over their aesthetics. This incorporates a wide array of applications including as medical textiles, preforms for composites, protective textiles, and many others. With the growing interest and market for electronic textile products, electronic functionality has also seen greater adoption in technical textile applications. In turn, this has also fuelled interest in the creation of new materials and integration techniques to add new functionality to textiles.

We invite research articles, communications, and reviews on topics including, but not limited to, the following:

- Materials used to produce electronic textiles;
- Electronic technical textiles;
- Novel fabrication technologies;
- Electronic textile manufacturing; Electronic textile material testing.



[mdpi.com/si/203453](https://mdpi.com/si/203453)

# Special Issue



an Open Access Journal by MDPI

## 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

## 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.

## 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*)

## Contact Us

*Materials* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/materials](http://mdpi.com/journal/materials)  
[materials@mdpi.com](mailto:materials@mdpi.com)  
[X@Materials\\_Mdpi](https://twitter.com/Materials_Mdpi)