



*materials*



an Open Access Journal by MDPI

## Sustainable Colouration and Functional Finishing of Textiles

Guest Editors:

**Dr. Yuyang Zhou**

College of Textile and Clothing  
Engineering, Soochow University,  
Suzhou 215123, China

**Dr. Xian-Wei Cheng**

College of Textile and Clothing  
Engineering, Soochow University,  
Suzhou 215123, China

Deadline for manuscript  
submissions:

**closed (10 February 2023)**

### Message from the Guest Editors

Sustainable colouration and functional finishing of textiles has received tremendous attention, both from academia and industry. With the increasing concern on human health and environmental issues related to textiles, as well as the growing demand for multifunctional and customized textiles, a variety of advanced and sustainable materials and technologies are incorporated to the production of textiles. The materials, including bio-degradable reagents and polymers, nanomaterials, catalysts, conductive composites, etc., impart textiles with safety and new functions. The sustainable technologies involving inkjet printing, supercritical carbon dioxide, microwave, ultrasound, UV irradiation, etc., enables higher processing efficiency, with reduced energy, water, and time consumption, and also promotes the performance of materials. However, how to enhance the compatibility of these advanced materials and technologies for textiles processing towards optimal performances, remains in-depth, comprehensive, and interdisciplinary studies. This Special Issue covers these topics and focuses on the establishment of material–process–performance relationships.



[mdpi.com/si/118297](https://mdpi.com/si/118297)

# 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 - Q2 (*Metallurgy & Metallurgical Engineering*) / CiteScore - Q2 (*Condensed Matter Physics*)

## Contact Us

Materials Editorial Office  
MDPI, St. Alban-Anlage 66  
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)