Frontiers in Advanced Smart Textiles

Message from the Guest Editors

This Special Issue of *Materials* is dedicated to recently developed advanced smart textiles that are able to sense electrical, thermal, chemical, or magnetic stimuli, or stimuli of another environmental source, react to and adapt to them by an integration of functionalities. Such smart textiles have applications in almost every area of human activity, including in medicine, automotive and aeronautical industries, personal protection, sport, fashion, the environment, building and living, or energy. This Special Issue focuses on recent progress in smart textiles, including, but not limited to, advanced and innovative fibers, yarns, fabrics, knitwear and nonwovens, textile composites, their structures, properties and performance, textile technologies, and processes.

It is our pleasure to invite researchers to support *Materials* (IF 3.623) in this initiative, by submitting new and ground-breaking original research papers. Review articles and short communications are also warmly welcomed.

Guest Editors

Dr. Alena Opálková Šišková

1. Institute of Materials and Machine Mechanics, Slovak Academy of Sciences, Dúbravská cesta 9, 845 13 Bratislava, Slovakia
2. Polymer Institute of the Slovak Academy of Sciences, Dúbravská cesta 9, 845 41 Bratislava, Slovakia

Dr. Piotr Rychter

Faculty of Science and Technology, Jan Dlugosz University in Czestochowa, 13/15 Armii Krajowej Av., 42-200 Czestochowa, Poland

Deadline for manuscript submissions

closed (10 October 2022)

MDPI

Materials

an Open Access Journal by MDPI

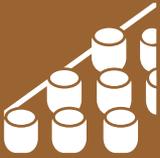Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/journal/materials

MDPI

About the Journal

Message from the Editorial Board

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.

Editors-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

Prof. Dr. Yuguang Ma
State Key Laboratory of Luminescent Materials and Devices, South China University of Technology, Guangzhou 510640, China

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)