



Advances in Smart Textiles for Health Care and Personal Protection

Guest Editors:

Dr. Alena Opálková Šišková

Polymer Institute of Slovak
Academy of Sciences, Dubravská
cesta 9, 845 41 Bratislava,
Slovakia

Dr. Petra Peer

Institute of Hydrodynamics, The
Czech Academy of Sciences,
Department of Fluid Mechanics,
Pod Patankou 30/5, 166 12
Prague 6, Czech Republic

Deadline for manuscript
submissions:

closed (7 August 2022)

Message from the Guest Editors

This Special Issue of *Polymers* focuses on synthesis, characterization, and functional properties of novel textiles for health care and personal protection.

This Special Issue will focus on the latest advances and reports on the progress of polymers for application in textiles and textile-based materials, including but not limited to advanced and innovative fibers, yarns, fabric structures, textile technologies and processes, textile composites for applications (especially in the health care), personal protection, and filtration. Ascertaining detailed knowledge of the materials used to create smart textiles and their physical, chemical, mechanical, and surface properties requires a multidisciplinary approach. While covering a broad range of fundamental, experimental, and industrial topics, we would like to stimulate researchers around the globe to share their exciting and promising works.

It is our pleasure to invite you to submit a manuscript to this Special Issue. Original research papers, review articles, and short communications are warmly welcome.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Alexander Böker

Lehrstuhl für Polymermaterialien
und Polymertechnologie,
University of Potsdam, 14476
Potsdam-Golm, Germany

Message from the Editor-in-Chief

Since its foundation in 2009, *Polymers* has developed into an internationally renowned, extremely successful open access journal. The editorial team and the editorial board dedicatedly combine open-access publishing and high-quality rigorous peer reviewing. The performance of the journal has proven this strategy to be well-suited and highly successful. This is reflected in the increasing impact factor of *Polymers*, the most recent one being 4.7.

I would like to invite you to contribute to the success of the journal by sending us your high quality research papers. We would be pleased to welcome you as one of our authors.

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), Ei Compendex, PubMed, PMC, FSTA, CAPlus / SciFinder, Inspec, and other databases.

Journal Rank: JCR - Q1 (Polymer Science) / CiteScore - Q1 (General Chemistry & Polymers and Plastics)

Contact Us

Polymers Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/polymers
polymers@mdpi.com
[X@Polymers_MDPI](https://twitter.com/Polymers_MDPI)