



## Develop Antimicrobial Polymer Textiles for Medical Applications

Guest Editor:

**Dr. Chi-Wai Kan**

Institute of Textiles and Clothing,  
The Hong Kong Polytechnic  
University, Hong Kong 999077,  
China

Deadline for manuscript  
submissions:

**closed (15 February 2024)**

### Message from the Guest Editor

In recent years, people have become increasingly concerned about health and hygiene issues in their daily lives. Textiles, being an essential element in daily life, play an important role as a barrier for protecting people from the influence of microorganisms. Different antimicrobial treatments have been explored in textiles by different companies and researchers with success in the area of medical applications. However, some applications of antimicrobial textiles in medical application require use on a one-off disposable basis. In fact, the durability of the antimicrobial textiles has become a hot topic recently due to the issue of sustainability. Topics in this Special Issue will include articles related, but not limited, to (i) chemical antimicrobial treatment; (ii) physical antimicrobial treatment; (iii) evaluation of durability of antimicrobial textiles. Articles (not limited to) of review, full paper, short note or communication are welcome for submission to this Special Issue.





# *polymers*



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 5.0.

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 (*Polymers and Plastics*)

## Contact Us

---

*Polymers* 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/polymers](http://mdpi.com/journal/polymers)  
[polymers@mdpi.com](mailto:polymers@mdpi.com)  
[X@Polymers\\_MDPI](https://twitter.com/Polymers_MDPI)