Special Issue

Antimicrobial Nano-Polymers for Medical Applications

Message from the Guest Editors

Nanotechnology enables the production of fibers/structures at the nanometer scale. This technology has attracted attention due to its outstanding properties, lightweight, porous structure and high surface-to-volume ratio. Nanotechnology finds application in tissue engineering, scaffolding, drug delivery systems and integration of conductive materials at the nanoscale for developing wearable technologies for monitoring health. The application of nanotechnology in producing finishes on textile surfaces with enhanced functional properties is also a growing area of interest in recent times. Antimicrobial resistance is a major global issue, and developing novel systems with antimicrobial agents could prevent the spread of infection and combat antimicrobial resistance. This Special Issue aims to bring together recent advances in research in fundamental knowledge and technology, including but not limited to:

- Nanofibres/mesh with improved functional properties;
- Antimicrobial finishes on textiles;
- Conductive nanotechnologies for wearable technology;
- Antimicrobial evaluation using resistant microbes and pathogens;
- Antimicrobial agents and assessment of textiles.

Guest Editors

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Deadline for manuscript submissions

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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.

Editor-in-Chief

Prof. Dr. Alexander Böker
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