

Special Issue

Electrospun Nanofibrous Membrane for Delivery of Antimicrobial Agents

Message from the Guest Editors

Nanotechnology has gained an increased interest in several different areas of biotechnology, including tissue engineering and drug delivery via nanofibers. Drug delivery systems facilitate controlled drug supply with respect to time, quantity and location. This is primarily made possible because of the creation of nanofibrous scaffolds that are capable of biomimicking the extracellular matrix (ECM). Electrospinning can be used to successfully generate nanofibers with sizes well within the range of those of the fibers present in the ECM (50–500 nm), which plays an important role in regulating cellular behaviors by influencing cells with the help of biochemical signals and topographical cues. This Special Issue aims to highlight the most popular applications of nanofibers related to the delivery of antimicrobial agents for various diseases. Reports of fundamental scientific investigations are welcome, and so are articles correlated to the practical applications of nanofibers in tissue engineering and drug delivery. Both experimental and theoretical work is of interest, and theoretical papers will generally include the comparison of predictions with experimental data.

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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 4.9.

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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