Special Issue

Polymer Composites with Antibacterial Properties

Message from the Guest Editors

Environmental contamination by microorganisms is a major cause of the transmission of several infectious diseases. In this regard, an antibacterial coating can play an important role in reducing microbial contamination. In addition, the development of bacteria can easily occur on materials used for food packaging, medical equipment, wearable electronics, or textile products, where polymer materials are generally utilized. Therefore, the development of polymer-composite-based materials with antimicrobial/antibacterial activity is crucial to avoid the propagation of pathogens. The addition of filler materials with antibacterial properties to polymers not only boosts the antimicrobial properties, but also mainly assists in improving the hydrophobic and mechanical properties to realize the long-term operational stability of functional coatings. This Special Issue is devoted to endorsing the excellent research concerning various antibacterial/antimicrobial materials, including metal and ceramic nanomaterials, etc., as well as their polymer composite materials.

Guest Editors

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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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