Special Issue

Antimicrobial Properties of Polymers

Message from the Guest Editors

There is a strong need to design and synthesize antimicrobial polymers as an alternative strategy to combat resistance development in bacteria. Polymers with inherent antimicrobial activity such as chitosan, poly□□□lysine or quaternary ammonium compounds or that have the capacity to be conjugated with other antimicrobial compounds can also be used either for the direct elimination of microorganisms or for food packaging of perishable products, antimicrobial coatings of medical instruments or as components of implantable biomedical devices to prevent infection. Through their unique structure and functional groups, antimicrobial polymers or their grafted derivatives often generate antimicrobial activity with greater resistance to microbial adhesion and biofilm formation rendering various substrates or materials antimicrobial.

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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

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