Special Issue

Polymeric Materials with Antibacterial Activity

Message from the Guest Editor

The necessity of designing new polymer-based materials that include antibacterial actions to finally achieve the most appropriate performance for the herein-considered applications is evident. There are several strategies to overcome this challenge: (i) the systhesis of new polymers or copolymers having especial functional groups with potential antibacterial action; (ii) the systhesis of polymer-based materials whose surfaces have special physico-chemical properties avoiding bacterial adhesion; (iii) the use of new processing methods to prepare materials with tailored topographies (controlled roughness for instance); (iv) the addition of active agents to polymers (synthetic or natural) with biocide actions (antibiotics and others); and (v) the addition to polymers of nanoparticles (coated or uncoated) such us Cu, Ag, TiO2, etc., with potential antibacterial action. We cordially ask you to consider submitting your next research paper or review article to this thematic issue. You could enjoy a 20% early bird discount if you submit your paper by 30 June 2020.

Guest Editor

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Deadline for manuscript submissions

closed (30 June 2020)

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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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