



## Polymeric Materials with Antibacterial Activity

Guest Editor:

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Deadline for manuscript submissions:

**closed (30 June 2020)**

### Message from the Guest Editor

Dear Colleagues,

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 synthesis of new polymers or copolymers having especial functional groups with potential antibacterial action; (ii) the synthesis 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 as Cu, Ag, TiO<sub>2</sub>, 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.





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### Prof. Dr. Alexander Böker

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