

Special Issue

Polymeric Biomaterials and Drug Delivery Systems

Message from the Guest Editors

Polymeric biomaterials are widely used in oral and targeted drug delivery systems, particularly in tablets and microcapsules, microparticles, microspheres, patches, balloons and drug eluting stents, related to different pathologies. Developing and designing a drug delivery system, corresponding to a specific therapy for achieving a desired release profile, maintaining a sufficient mechanical stress, and minimizing secondary effects, is of importance. Multiple advances have been made in using polymers in these regards, both in terms of their intrinsic properties and in their processing methods. This Special Issue will cover, but is not limited to, all original reviews and research articles dedicated to: the potential of polymers as drug carriers, in vitro, ex vivo or in vivo release tests; physiochemical and mechanical characterization; the influence of the manufacturing processes; design and optimization methods; the analysis of release profiles by considering different release mechanisms; mathematical models and numerical simulation.

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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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