

Special Issue

Research Progress of Polymer Nanomaterials for Drug Delivery

Message from the Guest Editors

Modern medicine needs safe and highly effective pharmaceuticals and diagnostic systems, the development of which is impossible without polymer nanomaterials. For instance, drugs, mainly having a hydrophobic nature, when encapsulated (loaded) in a polymeric matrix (capsule), begin to possess controlled and dosed release rates and have significantly higher bioavailability and therapeutic efficacy compared to pure pharmaceuticals. Moreover, due to the binding ability of certain biopolymers to specific cell receptors, targeted effect on the disease site (organ) is provided, which allows the transition to personalized medicine and the enhancement of human welfare. This Special Issue aims to summarize the recent topical results in the drug delivery systems based on polymer nanomaterials, with a particular focus on the challenging methods for the improvement of drug bioavailability and for the decrease in side effects, resulting in improvement in living standards. We look forward to receiving your contributions.

Guest Editors

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Deadline for manuscript submissions

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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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