

Special Issue

Functional Polymers Applied to Bioactive Delivery Systems

Message from the Guest Editors

Polymers are widely used to develop bioactive delivery systems. Such delivery systems have been used in medical-pharmaceutical, foods, and cosmetic applications. In medical-pharmaceutical applications, delivery systems may have advantages such as reduced dose frequency, dosage reduction concerning conventional dosage form, reduction in side effects, etc. In food applications, they can be used as active packaging systems to extend shelf life or improve safety by maintaining the quality of packaged food through delivery. In cosmetics, delivery systems can enhance bioactive penetration into the skin layers. However, most conventional polymers do not reach these advantages in bioactive delivery systems. In this sense, it is possible to make chemical modifications to the polymers, making them functional polymers. The functionalization of the polymers confers many properties such as stealth characteristics, environmental stimuli response, reduces toxicity, bioadhesiveness, and provides site-specific delivery (targeting). In this Special Issue, articles will be published on the most recent scientific advances in applying functional polymers in bioactive delivery systems.

Guest Editors

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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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