Special Issue

Functional Polymer Applications in Drug Delivery and Tissue Engineering

Message from the Guest Editor

Functional polymeric materials refer to a class of high-molecular-weight materials that have specific physical, chemical or biological functions through molecular design or modification, which is a very important component in the field of drug delivery and tissue engineering. The role of functional polymers in these fields has transformed from inert components into intelligent components that actively participate in biological processes. Functional polymers are not only the cornerstones of these biomedical fields but also drive the fields' cutting-edge development. The emerging research directions of functional polymers in drug delivery focus on the development of smart-responsive, actively targeted, and multi-functional collaborative delivery systems, while the promising research directions of functional polymers in tissue engineering focus on the development of intelligent, bioactive, dynamic, and precise scaffold materials. In addition, selection and composition, bionic structure design, personalized customization, and sustainability of polymers are also their future development trends.

Guest Editor

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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 4.9.

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

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