

Special Issue

Thermoplastic Polymer-Based Multifunctional Materials

Message from the Guest Editors

Polymer science, specifically the field of thermoplastic polymers, has contributed to the development of new multifunctional materials with different applications. Apart from the nature of the thermoplastic polymer itself, the functionality of these materials can be changed by selectively choosing the processing conditions and introducing additives with certain properties for the desired application. This Special Issue addresses the recent developments and applications of thermoplastic polymer-based multifunctional nanocomposites. This Special Issue emphasizes materials used for the following: (a) biomedical applications, such as scaffolds and/or materials for wound-healing applications; (b) fabrics for the textile industry; (c) food packaging and the agro-alimentary industry; (d) the controlled release of drugs or active molecules antibiotics or food preservatives; (e) flexible materials for smart sensors and actuators; and (f) energy harvesting applications.

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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