

Special Issue

Advancing Polyester: Novel Approaches and Applications in Materials Science

Message from the Guest Editor

Polyester is one of the most important kind of polymers widely applied in our daily life and industry. However, the traditional polyesters are faced with various problems, such as lack of biodegradability and function, and their mechanical properties are insufficient for some special applications. This Special Issue focuses on the investigation of the synthesis, structure, and properties of functional polyester and high-performance polyesters. Functional polyesters of poly(L-lactic acid), poly(butylene succinate), polycaprolactone, poly(butylene adipate terephthalate), poly(p-dioxanone), polyglycolide, and poly(lactic-co-glycolic acid), such as biodegradable, biocompatible, and bioresorbable polyester, or polyesters with special functions, such as antibacterial properties, gas barrier, ultraviolet shielding, anti-fouling; chromatophilic, shape memory, self-cleaning, and self-healing, are chief points in this Issue. High-performance polyesters, such as highly transparent, heat-resistant, high strength, high modulus, and highly ductile, are also a major focus of this Special Issue.

Guest Editor

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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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