



Advances in Manufacturing and Characterization of Functional Polyesters

Guest Editors:

Prof. Dr. Rafael Antonio Balart Gimeno

Prof. Dr. Sergio Torres-Giner

Prof. Dr. Octavio Ángel Fenollar Gimeno

Prof. Dr. Nestor Montañés

Dr. Teodomiro Boronat Vitoria

Deadline for manuscript
submissions:
closed (30 September 2020)

Message from the Guest Editors

Dear Colleagues,

In the last years, we have assisted to a remarkable grow on the use of polyesters. Although some aromatic polyesters such as PET or PBT are well known, in the recent years, great interest on aliphatic polyesters has been detected. These polymers offer a positive environmental efficiency and can be functionalized by synthesis, copolymerization, additives (at micro and nano-scale), surface modification and so on to tailor the desired properties in terms of mechanical, chemical, thermal, barrier properties, biodegradation, biocompatibility. This can widen the potential use of these materials in industrial sectors such as packaging, textiles and apparel, automotive, construction and building and other specialized sectors such as medicine (medical devices, tissue engineering, resorbable components, controlled drug release), electrical and electronics, shape-memory devices, among others.

This special issue aims to compile original and cutting-edge research works in the field of synthesis, characterization, manufacturing and applications of functional polyesters.

Guest Editors





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Alexander Böker

Fraunhofer-Institut für
Angewandte Polymerforschung,
Lehrstuhl für Polymermaterialien
und Polymertechnologie,
Universität Potsdam,
Geiselbergstraße 69, 14476
Potsdam-Golm, Germany

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 4.9.

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Ei Compendex, PubMed, PMC, FSTA, CAPlus / SciFinder, Inspec, and other databases.

Journal Rank: JCR - Q1 (Polymer Science) / CiteScore - Q1 (General Chemistry)

Contact Us

Polymers Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/polymers
polymers@mdpi.com
[X@Polymers_MDPI](https://twitter.com/Polymers_MDPI)