



Polyester-Based Materials

Guest Editors:

Dr. Raluca Nicoleta Darie-Nita

Petru Poni Institute of
Macromolecular Chemistry,
Grigore Ghica Voda Alley 41A,
700487 Iasi, Romania

Dr. Maria Râpă

Faculty of Material Sciences and
Engineering, Politehnica
University of Bucharest,
Bucharest, Romania

Deadline for manuscript
submissions:

closed (31 August 2022)

Message from the Guest Editors

Polyesters represent one of the most important classes of polymers with an increased demand on the market. In addition to the well-known polyethylene terephthalate (PET), polybutylene terephthalate (PBT), and polycaprolactone (PCL), which are petroleum-derived polyesters, the versatility of the ester linkage has increased the development of novel biobased polyesters and copolyesters from renewable resources, among them polylactic acid (PLA) and polyhydroxyalkanoates (PHAs) being the most competitive biodegradable polymers commercialized so far.

This Special Issue invites original papers and reviews reporting the most valuable findings on polyester-based materials. Insights into polyester functionalization, copolymerization, surface modification or use of a diversity of additives or fillers in order to widen the development and performance of polyester-based materials in various industries, such as packaging, automotive, constructions, electronics, textile or the medical field, are welcome. Studies regarding the environmental impact and in particular recyclability or (bio)degradation of the polyester-based materials can also be included in this Special Issue.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Alexander Böker

Lehrstuhl für Polymermaterialien
und Polymertechnologie,
University of Potsdam, 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 5.0.

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 (*Polymers and Plastics*)

Contact Us

Polymers Editorial Office
MDPI, St. Alban-Anlage 66
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)