Special Issue

Block Copolymers with Crystallizable Blocks: Synthesis, Self-Assembly and Applications

Message from the Guest Editors

Block copolymers with crystallizable blocks have recently moved to the forefront of current research owing to their unique self-assembly behaviour and properties. New synthetic concepts give, for example, access to tetrablock copolymers with four crystalline blocks, bio-based thermoplastic elastomers (e.g., based on ABA triblock copolymers with hard poly(L-lactide) (PLLA) segments), and conjugated semi-crystalline block copolymers for photovoltaics and allow for new, exciting insights into the interplay between the microphase separation and crystallization controlling self-assembly in bulk (confined vs. break-out crystalliza\(\text{iton}\)).

This Special Issue aims to present a collection of articles describing new developments in the synthesis and self-assembly (bulk and solution) of block copolymers with crystallizable blocks. It also aims to address emerging applications for these exciting materials.

Guest Editors

Dr. Holger Schmalz

- 1. Macromolecular Chemistry II, University of Bayreuth, 95440 Bayreuth, Germany
- 2. Keylab Synthesis and Molecular Characterization, Bavarian Polymer Institute, University of Bayreuth, 95440 Bayreuth, Germany

Prof. Dr. Volker Abetz

- 1. Institute of Physical Chemistry, Universität Hamburg, Grindelallee 117, 20146 Hamburg, Germany
- 2. Institute of Membrane Research, Helmholtz-Zentrum Hereon, Max-Planck-Straße 1, 21502 Geesthacht, Germany

Deadline for manuscript submissions

closed (31 October 2021)



Polymers

an Open Access Journal by MDPI

Impact Factor 4.9 CiteScore 9.7 Indexed in PubMed



mdpi.com/si/52965

Polymers
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
polymers@mdpi.com

mdpi.com/journal/polymers





Polymers

an Open Access Journal by MDPI

Impact Factor 4.9 CiteScore 9.7 Indexed in PubMed



About the Journal

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.

Editor-in-Chief

Prof. Dr. Alexander Böker

Lehrstuhl für Polymermaterialien und Polymertechnologie, University of Potsdam, 14476 Potsdam-Golm, Germany

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)

