Special Issue

Cyclic Polymers

Message from the Guest Editors

Molecular topology has been a key aspect in numerous research topics of polymer science because of its impact on the physical properties of polymers. In particular, the emergence of various cyclic topologies based on linear polymers has recently drawn a great deal of attention from academia because of their unique traits, including increased glass transition temperatures, lower viscosity, and smaller hydrodynamic radius, due to there being no chain end group effect. As a result of research efforts, some cyclic polymers have been successfully prepared using two synthetic strategies, namely intramolecular ring closure reactions and ring expansion polymerizations. They were further characterized in terms of structure and properties. Nevertheless, such synthetic strategies are still facing some unsolved key issues, such as unreacted linear polymer precursor residue and its removal, side reaction products and their removal, low overall reaction yields, high time consumption, and limits in ring size (in ring expansion approach).

Guest Editors

Prof. Moonhor Ree

Department of Chemistry, Division of Advanced Materials Science, and Polymer Research Institute
Pohang University of Science and Technology, 77 Cheongam-ro (Hyoja-dong), Nam-gu, Pohang 37673, Korea

Prof. Dr. Toshifumi Satoh

Division of Applied Chemistry, Laboratory of Polymer Chemistry, Faculty of Engineering, Hokkaido University, North 13 West 8, Kita-ku, Sapporo, Hokkaido 060-8628, Japan

Deadline for manuscript submissions

closed (31 May 2018)

Polymers

an Open Access Journal by MDPI

Impact Factor 4.9
CiteScore 9.7
Indexed in PubMed

mdpi.com/si/11804

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

mdpi.com/journal/polymers

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)

MDPI