Special Issue

Recent Advances in Waterborne Polyurethanes

Message from the Guest Editors

Polyurethanes are one of the most versatile polymers that can be used in countless applications in the form of foams, fibers, coatings, adhesives, among others. However, traditional polyurethanes use raw materials derived from petroleum, and due to the latest global trends in the development of environmentally friendly raw materials, research on waterborne polyurethanes is of great interest in the scientific field. This type of polyurethane, in addition to not releasing volatile organic compounds, can be synthesized from raw materials from biomass, which will further contribute to the successful development of a sustainable polyurethane industry. This Special Issue focuses on the synthesis of biobased monomers and polyurethanes from renewable resources to support technological advancements in bio-based monomers synthesis through biorefining, chemical recycling, and synthesis of self-healing polymers; including an important synthesis strategy, such as the non-use of isocyanate in the synthesis of polyurethane, which not only contributes to environment, but also to the health of users, evaluating properties for current and emerging future applications of sustainable polyurethanes.

Guest Editors

Dr. Veronica Mucci

Instituto de Investigaciones en Ciencia y Tecnología de Materiales (INTEMA), UNMDP, CONICET, Facultad de Ingeniería, Av. Juan B Justo 4302, 7600 Mar del Plata, Argentina

Prof. Dr. Linbo Wu

Institute of Polymer Engineering, College of Chemical & Biological Engineering, Zhejiang University, Hangzhou, China

Deadline for manuscript submissions

closed (15 November 2023)

Polymers

an Open Access Journal by MDPI

Impact Factor 4.9
CiteScore 9.7
Indexed in PubMed

mdpi.com/si/149061

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 4.7.

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
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