



Ionic Systems in Polymer Science: Ionic Liquids and Ionic Polymers for the Development of Novel Materials, Processes, and Applications

Guest Editors:

Dr. Carlos Guerrero Sanchez

1. Laboratory of Organic and Macromolecular Chemistry (IOMC), Friedrich Schiller University Jena, Jena, Germany
2. Jena Center for Soft Matter (JCSM), Friedrich Schiller University Jena, Jena, Germany

Prof. Dr. Tamar Greaves

School of Science, RMIT University, Melbourne, VIC 3000, Australia

Deadline for manuscript submissions:

closed (31 May 2019)

Message from the Guest Editors

Polymer science has seen impressive development during the last few decades, with the advent of ionic and reversible deactivation radical polymerization techniques allowing for an unprecedented control over macromolecular properties and architectures. With these modern synthetic tools, polymer science is currently able to provide practically unlimited polymers to intensively cooperate with other chemical, physical, and biological sciences in order to better understand fundamental phenomena or to develop novel applications. This multidisciplinary work has the main purpose of delivering environmentally-friendly, sustainable, safer, more efficient, and/or less expensive materials suitable for specific applications and processes for their manufacture. Within this context, it is believed that ionic interactions between polymers and other chemical moieties play a crucial role for the aforementioned purposes. Hence, this Special Issue focuses on fundamental phenomena and practical applications derived from different ionic interactions in polymer science.





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 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.

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)