



## Polymer Mass Spectrometry

Guest Editors:

**Prof. Dr. Marek M. Kowalczuk**

Centre of Polymer and Carbon  
Materials Polish Academy of  
Sciences, PL-41819 Zabrze,  
Poland

**Prof. Dr. Grażyna Adamus**

Centre of Polymer and Carbon  
Materials, Polish Academy of  
Sciences, M. Curie-Skłodowskiej  
34, 41-819 Zabrze, Poland

Deadline for manuscript  
submissions:

**closed (20 March 2019)**

### Message from the Guest Editors

Mass spectrometry (MS) can be successfully applied for the characterization of natural polymers, and their derivatives. It may also be helpful in the synthesis of (co)polymers from natural and non-renewable sources. Moreover, MS is applied for the evaluation and understanding of the relationships among structure, properties, and behavior of polymers important for civilization and social function.

The soft ionization techniques, which permits the production of gas-phase ions from a wide variety of polymers and enables sequence analysis of natural and synthetic macromolecules, helped to solve the difficult question regarding the molecular structure of (co)polymers. Multistage mass spectrometry (MS<sub>n</sub>) enables the structural analysis of mass selected macromolecular ions of (co)polymers at the molecular level. Therefore, it may be expected that MS will become a routine and accurate analytical technique of (co)polymers for years to come.

In this Special Issue, we aim to present a contemporary overview of recent developments in the field of polymer mass spectrometry. Reviews, full papers, and short communications of the current trends in this area of knowledge are all welcome.





an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Alexander Böker

Fraunhofer-Institut für  
Angewandte Polymerforschung,  
Lehrstuhl für Polymermaterialien  
und Polymertechnologie,  
Universität Potsdam,  
Geiselbergstraße 69, 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 4.9.

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.

## 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