



NMR Approaches in Studying Polymer Materials

Guest Editors:

Dr. Victor V. Rodin

Institute of Organic Chemistry,
Faculty of Engineering and
Natural Sciences, Johannes
Kepler University Linz,
Altenbergerstraße 69, 4040 Linz,
Austria

Dr. Henk Huinink

Department of Applied Physics,
Eindhoven University of
Technology (TU/e), 5612 AP
Eindhoven, The Netherlands

Dr. Leonid Grunin

Department of Physics, Volga
State University of Technology,
424000 Yoshkar-Ola, Russia

Deadline for manuscript
submissions:

closed (22 August 2022)

Message from the Guest Editors

This Special Issue of *Polymers* seeks works on NMR technique investigations in polymeric materials for the various stages of material creation and application, providing an in-depth exploration of the steps required in the development of new processes of polymer production. The combination of NMR measurements with the simulations results in detailed information about structure and functional effectiveness of materials. The application of various NMR techniques to the study of important polymers and biological polymers leads to a more complete understanding of the mechanisms of interaction of macromolecules and biomacromolecules with other molecules and liquids.

The aim of this issue is to effectively demonstrate the current state of the studies in NMR applications to the various polymer and biopolymer materials. The topics of the Special Issue include, but are not limited to, polymeric materials, biopolymers, films, hydrogels used for technological and biological destination, in materials based on copolymers and long-action preparations. The main techniques are NMR-based, but papers considering other experimental approaches in combination with NMR are welcome too.





polymers



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 5.0.

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 (*Polymers and Plastics*)

Contact Us

Polymers Editorial Office
MDPI, St. Alban-Anlage 66
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)