

Special Issue

Polymers and Digitalization

Message from the Guest Editors

Ongoing digitalization has significantly affected research into polymer science and is gaining increasingly more attention. Thus, automated synthesis, characterization and purification protocols have been developed, enabling a fast screening of polymeric materials. Furthermore, synthetic robots have allowed the parallel synthesis of polymer libraries, resulting in a fast screening of different compositions and properties. Recently, artificial intelligence and machine-learning methods have been developed in order to predict properties of polymers. Thus, ongoing digitalization is changing the way we perform research into polymer science. The current Special Issue is focusing on all aspects of digitalization in polymer science, ranging from new aspects in the field of the automation of synthesis, characterization or purification over the utilization of robots for the preparation of new materials and polymer libraries to, finally, the application of artificial intelligence and machine-learning (AI/ML) routines for the predication of polymer-relevant aspects. The generation of data-using theoretical approaches for AI/ML programs will also be a part of the Special Issue.

Guest Editors

Dr. Stefan Zechel

Laboratory of Organic and Macromolecular Chemistry (IOMC), Friedrich Schiller University Jena, Humboldtstr. 10, D-07743 Jena, Germany

Prof. Dr. Ulrich S. Schubert

Laboratory of Organic and Macromolecular Chemistry (IOMC) Jena Center for Soft Matter (JCSM), Friedrich-Schiller-Universität Jena, Humboldtstr. 10, D-07743 Jena, Germany

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Polymers
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
polymers@mdpi.com

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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

Fraunhofer-Institut für Angewandte Polymerforschung, Lehrstuhl für
Polymermaterialien und Polymertechnologie, Universität Potsdam,
Geiselbergstraße 69, 14476 Potsdam-Golm, Germany

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