Special Issue

Artificial Intelligence Techniques for Polymer Processing

Message from the Guest Editor

The rapid evolution of artificial intelligence, the Internet of Things, and 5G technologies has accelerated the development of digital, intelligent, and unmanned manufacturing technologies.

Machine learning is an important part of moving towards Industry 4.0. Manufacturing processes need to be self-trained by machine learning, so that the continuously input data can adjust the operating conditions more quickly. As for the application of polymer processing, design defects can be found in the virtual model using virtual and real integration systems to confirm the best time for machine maintenance and perform equipment maintenance in the virtual world. Related technologies include domain knowledge of manufacturing technology, sensing and communication technology, the Internet of Things, cloud computing, artificial intelligence, big data analysis, and digital reality technology.

The aim of this Special Issue is to present the latest research on “Artificial Techniques for Polymer Processing”. We invite researchers to contribute to this issue by submitting related articles and review papers.

Guest Editor

Prof. Dr. Ming-Shyan Huang

Department of Mechatronics Engineering, National Kaohsiung University of Science and Technology, 1 University Road, Yanchao, Kaohsiung City 824, Taiwan

Deadline for manuscript submissions

closed (31 August 2022)

Polymers

an Open Access Journal by MDPI

Impact Factor 4.9
CiteScore 9.7
Indexed in PubMed

mdpi.com/si/73537

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 4.9.

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

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)