

Special Issue

Development of Applications of Polymer-Based Sensors and Actuators

Message from the Guest Editors

This Special Issue is open to contributions on the development and applicability of polymeric sensors/actuators, with special emphasis on the automotive industry, as well as following: • Flexible sensor/actuator development, design, assembly, and characterization; • Hybrid solutions between flexible and rigid devices or machined electronics; •

Theoretical and experimental studies concerning mitigation methods for flexible devices response hysteresis, drift, mechanical wear, etc.; • Studies of flexible sensors and actuators towards artificial intelligence integration on vehicles. Keywords: sensor ubiquity on vehicles; flexible sensing; polymer base device; hybrid multi-sensing; conformable devices Early bird discount can be enjoyed for manuscripts submitted before 31 December 2024. For details, please contact shelly.gu@mdpi.com.

Guest Editors

Dr. Nelson Castro

Dr. Nikola Perinka

Dr. Pedro Costa

Deadline for manuscript submissions

31 March 2025



Polymers

an Open Access Journal
by MDPI

Impact Factor 4.7
CiteScore 8.0
Indexed in PubMed



mdpi.com/si/207642

Polymers

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

[mdpi.com/journal/
polymers](https://mdpi.com/journal/polymers)





Polymers

an Open Access Journal
by MDPI

Impact Factor 4.7
CiteScore 8.0
Indexed in PubMed



[mdpi.com/journal/
polymers](https://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 4.7.

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.

Editor-in-Chief

Prof. Dr. Alexander Böker

Lehrstuhl für Polymermaterialien und Polymertechnologie, University of
Potsdam, 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)