polymers

an Open Access Journal by MDPI

IMPACT FACTOR 5.0

Indexed in: PubMed

CITESCORE 6.6

Polymeric Materials in Sensor Applications

Guest Editors:

Dr. Granch Berhe Tseghai
Department of Materials, Textiles and Chemical Engineering, Faculty of Engineering and Architecture, Universiteit Gent, 9000 Ghent, Belgium

Prof. Dr. Lieva Van Langenhove
Faculty of Engineering and Architecture, Department of Materials, Textiles and Chemical Engineering, Universiteit Gent, 9000 Ghent, Belgium

Deadline for manuscript submissions:
closed (10 May 2024)

Message from the Guest Editors

The use of polymers for sensing has been popular in the 21st century because they offer advantages over traditional polymers, such as their ability to respond to stimuli, as well as weight and flexibility over metallic materials. Because of their electrical conductivity, their composites are among the polymers used in a variety of sensing applications. The unique sensing and actuation characteristics of intelligent and responsive polymers to external conditions have also been exploited for the development of responsive materials. Moreover, these polymers could be used in their present form or could be applied to a variety of substrates, such as paper, leather, textiles, plastics, and metals, for use in sensing applications at various stages. Thus, polymers are promising materials for sensing applications in different domains. Conductive and responsive polymers, their fabrication technologies, and their application for sensing are key subjects of this Special Issue. Original research articles, reviews, and communication manuscripts are welcome.

polymers

IMPACT FACTOR 5.0 | Indexed in: PubMed | CITESCORE 6.6

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