

Special Issue

Polymers-Based Sensors and Actuators

Message from the Guest Editor

Polymer-based sensors and actuators utilize the distinctive characteristics of polymers, such as flexibility, lightweight structure, chemical reactivity, and electrical conductivity, to detect external signals or perform mechanical movements. These devices are becoming increasingly important in chemistry, engineering, food technology, biomedical devices, soft robotics, environmental sensing, and wearable technology. Innovations in polymer science have created cost-effective, highly sensitive, and adaptable systems capable of responding to various physical, chemical, and biological stimuli. Materials such as conducting polymers, hydrogels, and other smart polymers are central to developing next-generation sensor-actuator technologies.

Guest Editor

Prof. Dr. Sabir Khan

Department of Natural Sciences, Mathematics and Statistics, Federal Rural University of the Semi-Arid, Mossoró 59625-900, RN, Brazil

Deadline for manuscript submissions

31 December 2025



Polymers

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.7
Indexed in PubMed



mdpi.com/si/241201

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 4.7.

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

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