

## Special Issue

# Polymer Materials in Sensors, Actuators and Energy Conversion, 3rd Edition

### Message from the Guest Editor

This SI is continuing on the subject of polymer materials in sensors, actuators and energy conversion, with the second volume of the Special Issue having successfully published 12 regular papers and 1 review paper.

Polymer-based material applications are playing a key role in recent developing areas of smart matters and electronic devices. They cover the synthesis, structures and properties of polymers and composites, including energy-harvesting devices and energy-storage devices for electromechanical (electrical to mechanical) energy conversion and magnetomechanical (magnetic to mechanical) energy conversion, light-emitting devices and electrical driving sensors. Therefore, the modulation of polymer-based materials and devices for controlling detection, actuation and energy with functionalized relative devices is achieved.

---

### Guest Editor

Prof. Dr. Jung-Chang Wang

Department of Marine Engineering (DME), College of Maritime Science and Management, National Taiwan Ocean University (NTOU), Jhongheng District No. 2, Pei-Ning Road, Keelung City 202301, Taiwan

---

### Deadline for manuscript submissions

closed (15 April 2025)



## Polymers

---

an Open Access Journal  
by MDPI

---

**Impact Factor 4.9**  
**CiteScore 9.7**  
**Indexed in PubMed**



[mdpi.com/si/214149](https://mdpi.com/si/214149)

*Polymers*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[polymers@mdpi.com](mailto:polymers@mdpi.com)

[mdpi.com/journal/  
polymers](https://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](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 4.9.

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

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)