

## Special Issue

# Advanced Functional Polymers for Energy Applications

### Message from the Guest Editors

Recently, the development of advanced functional polymers and polymer electrolytes has received great consideration because of their potential application in several electrochemical power generation, storage, and energy conversion systems. Polymer electrolytes, functional polymers, poly(ionic liquid)s, and gel electrolytes are ion conductive polymeric materials that are widely investigated and employed in all solid-state batteries, Li-ion/Na-ion/ K-ion batteries, polymer electrolyte fuel cells, electrolyzers, and in other power applications, such as supercapacitors, solar cells, photo-electrochemical, and electrochromic devices. This Special Issue will focus on the collection of the latest developments in functional polymers for energy-related electrochemical devices, as well as on the development of various polymer electrolytes including all recent approaches used to enhance their performance characteristics and technological applications.

---

### Guest Editors

Dr. Francesco Lufrano  
Dr. Antonino S. Aricò  
Dr. Vincenzo Baglio

---

### Deadline for manuscript submissions

closed (31 October 2021)



## Polymers

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.9  
CiteScore 9.7  
Indexed in PubMed



[mdpi.com/si/55060](https://mdpi.com/si/55060)

*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

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, CAPIus / SciFinder, Inspec, and other databases.

#### Journal Rank:

JCR - Q1 (Polymer Science) / CiteScore - Q1 (General Chemistry)