



Polymer-Based Composites for Batteries and Supercapacitors

Guest Editors:

Dr. Haolin Tang

State Key Laboratory of
Advanced Technology for
Materials Synthesis and
Processing, Wuhan University of
Technology, 122 Luoshi Road,
Wuhan 430070, China

Dr. Tian Tian

School of Automotive
Engineering, Wuhan University of
Technology, 122 Luoshi Road,
Wuhan 430070, China

Deadline for manuscript
submissions:

31 August 2024

Message from the Guest Editors

Dear Colleagues,

Batteries and supercapacitors are both promising energy storage devices that use polymer-based composites as key components. Polymer-based composites typically comprise a polymer matrix and conductive fillers that enhance the material's electrical conductivity. Polymer electrodes provide high energy density, good flexibility and processability, and consistent cycle performance. By adjusting the molecular structure of the polymer and the dispersion state of the filler, the conductivity and energy density of the electrode can be further augmented. In general, polymer-based composites have crucial application value in batteries and supercapacitors, and through further research and development, more efficient and stable energy storage devices are expected to be achieved. Both original contributions and synthesis articles (comprehensive reviews) are welcome. This Special Issue is dedicated to the latest research on Polymer-Based Composites for Batteries and Supercapacitors.





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](https://twitter.com/Polymers_MDPI)