

Special Issue

Conductive Polymers: Synthesis and Applications

Message from the Guest Editor

Since the discovery of conductive polyacetylene (PA) around 1977, some new intrinsic conducting polymers (ICP), including polyaniline (PANI), polypyrrole (PPY), polythiophene (PTH), and poly(3,4-ethylenedioxythiophene) (PEDOT), have been developed and attracted tremendous attention from scientific communities. These ICPs are known for their high conductivity, good processability, and long-term stability under various application conditions. The development of ICP has been successfully transferred from some laboratory research to industrial applications. ICPs have been applied in various fields, such as antistatic films, biosensor fabrication, organic field-effect transistors, transparent organic-based electronic devices, and light-emitting and photovoltaic devices.

This Special Issue will highlight the progress and fundamental aspects of the synthesis, characterization, properties, and applications of conductive polymers.

Guest Editor

Prof. Dr. Yesong Gu

Department of Chemical and Materials Engineering, Tunghai University,
Taichung 407224, Taiwan

Deadline for manuscript submissions

closed (5 July 2022)



Polymers

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.7
Indexed in PubMed



mdpi.com/si/49387

Polymers
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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)