

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

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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



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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

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