

Special Issue

Applied Conductive Polymer Materials

Message from the Guest Editors

Conjugated polymers are materials that easily provide electrical properties to a wide number of non-conductive materials for multiple applications, e.g., biomedicine, civil engineering, and electronics. However, their development, synthetically, is not evolving as fast as materials engineering: almost none of the conjugated polymers, not even the golden standard molecule of PEDOT or its monomer, have been touched/modified. These difficulties are either due to chemistry issues or the naive view of the suspension as a black box. In the last years, the microscopical understanding of such systems opened up the possibility for the progress of this field. This Special Issue aims to build a Tower of Babel of (semi)conductive materials and their applications, merging the interdisciplinary fields involved and improving their collaboration and the effectiveness. New polymers and their applications are solicited, as well as innovative synthesis and manufacturing methodologies. We particularly encourage studies with a final material/biomedical/electrical application. The topics include polymer applications of functional conductive materials, electronics, nanocomposites, and biomaterials.

Guest Editors

Dr. Daniele Mantione

Joxe Maria Korta Center, University of the Basque Country UPV/EHU,
20018 Donostia, Spain

Dr. Nuria Alegret

Innovative Polymer Group - POLYMAT Centro Joxe Mari Korta Avenida
de Tolosa, 7220018 Donostia-San Sebastián, Spain

Deadline for manuscript submissions

closed (15 June 2021)



Polymers

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.7
Indexed in PubMed



mdpi.com/si/42852

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 4.7.

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

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)