

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

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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 4.9.

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

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