

## Special Issue

# Advanced Research on Conjugated Polymers

### Message from the Guest Editor

The most extraordinary properties of conjugated polymers (CPs) are derived from their electron-based  $\pi$ -conjugated system. They combine the advantages of metals' conductivity and polymers' mechanical properties. CPs are elastic, flexible, and stretchable, and they also possess relatively low density. Nowadays, they are used in countless branches of modern technologies: organic photovoltaics, smart windows, polymer light-emitting diodes, drug release systems, and electrochemical capacitors, to name a few. On the other hand, they are also biocompatible, which increases their biomedical importance (neurostimulation, artificial muscles, and damaged nerve repair). This Special Issue aims to present advances in conjugated polymer synthesis and properties, as well as an evaluation of their applications. Both experimental and theoretical contributions are welcome. Authors are encouraged to submit their contributions in the form of research articles, short communications, perspectives, and reviews.

### Guest Editor

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### Deadline for manuscript submissions

closed (31 March 2024)



## Polymers

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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.

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### Editor-in-Chief

Prof. Dr. Alexander Böker

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