# **Special Issue**

# Carbon-Based Functional Polymers: Design, Properties and Applications

## Message from the Guest Editor

Synthetic carbon-based polymers are structurally tunable materials integral to modern life, whether for commodity products, such as clothing, food packaging, or household goods, or for specialist applications, such as microelectronics, renewable energy generation, or robotics. The success story of carbon-based polymers has its origin in their close coupling with the liquid fuel industry, optimized production methods, low costs, and immense chemical diversity: these features allow material properties to be precisely tailored to a huge range of different applications. In recent years, the research of new carbon-based polymers synthesis, functionalization, and their applications is a hot topic that is rapidly evolving in both academia and industry. This Special Issue is devoted to the most recent research on these topics, covering all aspects including synthesis and application of novel carbon-based polymers and structure-property relationships of carbon-based polymers.

## **Guest Editor**

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#### Deadline for manuscript submissions

closed (25 May 2023)



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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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