

Special Issue

Polymer Materials for Ecological and Environmental Applications

Message from the Guest Editor

To date, polymer-based materials have demonstrated significant potential in various ecological and environmental applications, including electrochemical sensing, adsorption, capacitive deionization, electro-Fenton processes, and advanced oxidation. This Special Issue aims to explore the controllable synthesis and optimization strategies of these materials, covering key aspects such as synthesis methods, chemical properties, and performance enhancement techniques. Additionally, systematic economic analyses and recycling strategies for polymer materials are of particular interest. We invite submissions of original research articles that feature experimental data, as well as comprehensive review papers that highlight recent advancements and emerging trends in polymer materials for environmental applications. Contributions should focus on innovative approaches that advance sustainable solutions for pollution mitigation and resource recovery.

Guest Editor

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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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