

## Special Issue

# Sustainable Polymers and Polymer Recycling Technologies

### Message from the Guest Editors

The increasing environmental impact of plastic waste has led to a growing interest in sustainable solutions within the field of polymer science. This Special Issue aims to collect original research and reviews focused on sustainable polymers and advanced polymer recycling technologies. Topics of interest include the development of bio-based and biodegradable polymers, mechanical and chemical recycling approaches, and innovative strategies to improve polymer circularity. Particular emphasis will be placed on organic recyclability through industrial and home composting, as a promising route toward the end-of-life valorization of biodegradable plastics. Contributions addressing characterization, processing, life cycle assessment, and real-world applications of sustainable polymers are also welcome. We encourage multidisciplinary submissions that bridge materials science, environmental engineering, and industrial innovation.

### Guest Editors

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### Deadline for manuscript submissions

closed (31 January 2026)



## Polymers

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## 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 4.9.

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.

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### Editor-in-Chief

Prof. Dr. Alexander Böker

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