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Polymers and the Circular Economy Model

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Deadline for manuscript submissions:
closed (5 August 2023)

Message from the Guest Editors

In just a few decades, polymers have dramatically changed our society and economy. By combining lightweight, durability, and excellent functional properties with low cost, polymers are ubiquitous, and their global production volume is expected to grow far beyond the value set in 2018 of around 350 million tons. However, challenges relating to leakage of plastics into the environment must be addressed if the material is to achieve its fullest potential in a circular and resource efficient economy. Additionally, bio-based feedstocks and concepts like ecodesign are key to the success of a circular economy.

The topics of interest of this Special Issue include (but are not limited to) the ecodesign, clean synthesis, recycling, reuse and compostability of polymers, and functional polymers from renewable resource or waste (industrial, food, etc.).

This Special Issue aims at report original research and reviews focusing specifically on polymeric materials in the broad context of circular economy, to provide readers with a reference concerning the most up-to-date findings in the field.

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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 5.0.

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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