## Special Issue

## Novel Insights into Plastic Biodegradation and Biopolymer Manufacturing

### Message from the Guest Editors

Plastic pollution has become a challenge with farreaching effects, impacting both the ecosystem and human health. In response, scientists have actively explored solutions to tackle this issue. Their focus lies in two interconnected fields: plastic biodegradation and the sustainable production of bioplastics. This Special Issue aims to showcase the advancements in these areas shedding light on cutting-edge research that contributes to an environmentally friendly and sustainable future. Understanding how plastic biodegrades is crucial for developing strategies to mitigate pollution. Researchers have been studying communities for breaking down various types of plastics including polyethylene, polypropylene and polystyrene. The articles featured in this Special Issue will highlight studies that delve into the processes and genetic foundations of plastic degradation. These findings provide insights into how these microorganisms can be used in bioremediation efforts. Bioplastics have gained attention as an alternative to conventional petroleumbased plastics. This Special Issue will present groundbreaking research on the production of bioplastics.

#### **Guest Editors**

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## Deadline for manuscript submissions

closed (25 March 2024)



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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 4.7.

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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