

Special Issue

Advances in Biopolymers: Degradation and Sustainable Development

Message from the Guest Editors

As the demand for eco-friendly alternatives to conventional plastics grows, biopolymers and degradable polymers have emerged as a promising solution due to their biodegradability, renewability, and reduced environmental impact.

Contributions to this Special Issue can encompass varied topics, including the synthesis, characterization, and applications of various degradable polymers such as starch, cellulose, chitin, chitosan, lignin, polyester, and polylactic acid (PLA). Additionally, the Special Issue explores novel processing techniques that enhance the performance and functionality of biomass-derived polymers, including solution, blending, crosslinking, and nanocomposite formation. Furthermore, it covers the integration of degradable polymers in diverse industries such as packaging, agriculture, medicine, environment, textile, and electronics, illustrating their versatility and potential in replacing petroleum-based materials.

We look forward to receiving contributions dealing with related research fields. I hope that this stimulating initiative will encourage you to participate in the advancement of basic knowledge related to biopolymers and biomass-derived polymers.

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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 4.9.

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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