



Advances in Bioplastics II

Guest Editor:

Dr. Bishnu Acharya

Department of Chemical and
Biological Engineering, College of
Engineering, University of
Saskatchewan, Saskatchewan,
SK S7N 5A9, Canada

Deadline for manuscript
submissions:

closed (20 August 2023)

Message from the Guest Editor

Growing environmental issues related to non-biodegradable petroleum-based plastics have led to the research and development of bioplastics. Governments around the world have also responded by developing policies to promote biodegradable plastics. However, challenges remain for bioplastics to meet the performance of petroleum-based plastics. In other cases, bioplastic materials that are designed to match the mechanical and physico-chemical properties of petroleum-based plastics do not degrade completely under normal composting conditions. This has led to studies attempting to develop bioplastics with appropriate mechanical and physico-chemical properties and biodegradability.

This Special Issue will cover research related to the synthesis and characterization, biodegradation, development for packaging and smart applications, techno-economic and life cycle assessment, and policies related to the development of bioplastics.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Alexander Böker

Lehrstuhl für Polymermaterialien
und Polymertechnologie,
University of Potsdam, 14476
Potsdam-Golm, Germany

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 4.967.

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.

Author Benefits

Open Access:— free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Ei Compendex, PubMed, PMC, FSTA, CAPlus / SciFinder, Inspec, and other databases.

Journal Rank: JCR - Q1 (*Polymer Science*) / CiteScore - Q1 (*Polymers and Plastics*)

Contact Us

Polymers
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/polymers
polymers@mdpi.com
@Polymers_MDPI