



Bio-Based Polymeric Films

Guest Editors:

Dr. Swarup Roy

Department of Food Technology
and Nutrition, Lovely
Professional University,
Phagwara 144411, India

Dr. Jong-Whan Rhim

BioNanocomposite Research
Center, Department of Food and
Nutrition, Kyung Hee University,
Seoul, Republic of Korea

Deadline for manuscript
submissions:

closed (20 September 2022)

Message from the Guest Editors

Recently the massive consumer demands for short-term single-use plastic materials have produced huge plastic waste which in turn has created tremendous environmental pollution. Using biodegradable and renewable materials instead of non-biodegradable synthetic plastics is an environmentally friendly green way to reduce the plastic waste problem. Accordingly, the biodegradable polymers or biopolymers can be used to develop alternatives to synthetic petroleum-based plastics. Different sources of biopolymers, like carbohydrates, proteins, and lipids, as well as biodegradable polymers such as polyesters, polyamides, polyurethanes, etc. have been utilized recently to make environmentally benign biodegradable plastic. Hence, to reduce the plastic waste problem, the biobased biodegradable polymers can be a replacement for synthetic petroleum-based plastic.

The primary purpose of this Special Issue is to assemble the results about the preparation and characterization of biodegradable polymer-based composite films for potential applications in packaging and other fields of interest.





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 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.

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 (General Chemistry)

Contact Us

Polymers Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/polymers
polymers@mdpi.com
[X@Polymers_MDPI](https://twitter.com/Polymers_MDPI)