



Embracing the Circular Economy for a Promising Future in Sustainable Polymer Production

Guest Editors:

Prof. Dr. Keiko Shirai

Laboratory of Biopolymers and Pilot Plant of Bioprocessing of Agro-Industrial and Food By-Products, Biotechnology Department, Universidad Autónoma Metropolitana, Distrito Federal, Mexico City, Mexico

Dr. Neith Aracely Pacheco López

Center for Research and Assistance in Technology and Design of the State of Jalisco, AC. Southeast Unit, Zapopan 97302, Mexico

Deadline for manuscript submissions:

15 January 2025

Message from the Guest Editors

This Special Issue, a collaborative effort of the scientific community, is dedicated to the dissemination of innovative research on biopolymer production. With a strong focus on a sustainable approach to the circular economy, it aims to bring new insights that will further advance the biopolymer industry, promote the minimization of resource input and waste production, and maximize efficiency, value, and sustainability.

The scope of this Special Issue encompasses the use of a wide range of residues from agro-industry, marine and aquaculture sources, and the food transformation industry, among others, to produce sustainable biomaterials for several applications. This includes the characterization and modification of materials and proven applications, all within the framework of the circular economy approach. We look forward to receiving your contributions.





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