Special Issue

Degradation of Plastics

Message from the Guest Editors

Dear colleagues, Research on the degradation of plastics involves a deep understanding of the intricate processes by which synthetic polymer materials disintegrate and break down over time. Various factors such as environmental conditions, exposure to light, heat, mechanical stress, and microbial activity, and the application of organocatalysts influence the degradation of plastics. Investigating these mechanisms is crucial for developing effective strategies to facilitate plastic degradation, especially to enhance their potential for recycling through methods such as chemical recycling. This Special Issue, entitled "Degradation of Plastics," comprehensively covers a diverse spectrum of plastic degradation techniques and procedures, spanning from foundational basic research to the practical implementation of these techniques in real-world applications.

Guest Editors

Dr. Saúl Vallejos Calzada

Dr. Miriam Trigo-López

Dr. Álvaro Miguel Ortega

Deadline for manuscript submissions

closed (31 July 2025)



Polymers

an Open Access Journal by MDPI

Impact Factor 4.9
CiteScore 9.7
Indexed in PubMed



mdpi.com/si/188073

Polymers
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
polymers@mdpi.com

mdpi.com/journal/polymers





Polymers

an Open Access Journal by MDPI

Impact Factor 4.9 CiteScore 9.7 Indexed in PubMed



About the Journal

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

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

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)

