



Aging Behavior of Polymeric Materials

Guest Editors:

Dr. Severo Raul Fernandez-Vidal

Mechanical Engineering and Industrial Design, School of Engineering, University of Cadiz, 11519 Puerto Real, Cádiz, Spain

Dr. Ana Pilar Valerga Puerta

Department of Mechanical Engineering and Industrial Design, School of Engineering, University of Cadiz, Av. Universidad de Cádiz, 10, E-11519 Puerto Real, Cadiz, Spain

Dr. Fermin Bañon

Department of Civil, Materials and Manufacturing Engineering, EII, University of Malaga, 29071 Málaga, Spain

Deadline for manuscript submissions:

closed (15 November 2024)

Message from the Guest Editors

Polymeric materials are vital across sectors due to their versatile properties; however, aging leads to performance degradation. Durability hinges on various factors: material attributes, manufacturing conditions, aging types, environmental influences, and usage patterns. The scientific focus is on understanding polymer aging and durability, prompting the development of reliable methods for long-term performance prediction.

This Special Issue serves as a forum to discuss achievements and challenges in polymer aging and durability, examining property alterations and strategies to bolster long-term performance. Given their ubiquitous applications, comprehending the enduring behavior of polymeric materials, including composites and nanocomposites, is paramount. By fostering interdisciplinary dialogue and compiling cutting-edge research, this Special Issue aims to advance understanding of polymer aging behavior and shape future advancements in this critical field.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Alexander Böker

Fraunhofer-Institut für
Angewandte Polymerforschung,
Lehrstuhl für Polymermaterialien
und Polymertechnologie,
Universität Potsdam,
Geiselbergstraße 69, 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 4.9.

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.

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