Special Issue

Fire Safety in Polymeric Composite Materials: Design, Simulation, and Testing

Message from the Guest Editors

The Special Issue focuses on advancing the understanding and application of fire-safe materials in various scenarios. This issue invites contributions on innovative fire-retardant designs, hybrid composite systems, and state-of-the-art simulation tools to address fire safety challenges. Topics include the synthesis and characterization of polymeric and hybrid materials with enhanced flame-retardant properties, predictive fire modelling techniques, and experimental testing methodologies. By bridging the gap between material science, engineering design, and fire safety testing, this Special Issue aims to foster interdisciplinary collaboration and provide insights into sustainable and efficient solutions for fire prevention in critical applications, ensuring safety, durability, and environmental sustainability.

Guest Editors

Dr. Dongxu Ouyang

College of Safety Science and Engineering, Nanjing Tech University, Nanjing 211816, China

Dr. Wei Wang

School of Mechanical and Manufacturing Engineering, University of New South Wales, Sydney, NSW 2052, Australia

Deadline for manuscript submissions

30 September 2025

Polymers

an Open Access Journal by MDPI

Impact Factor 4.9
CiteScore 9.7
Indexed in PubMed

mdpi.com/si/228484

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

mdpi.com/journal/polymers

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 4.7.

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)

MDPI