

Special Issue

Advances in Thermal Properties and Fire Hazards of Polymer Composites

Message from the Guest Editors

Thermal stability and fire safety are two of the most limiting factors in the use of polymeric materials—not only synthetic polymers but also natural polymers (e.g., wood), modified natural polymers (e.g., wood modified in different ways), and composites formed by a combination of natural and synthetic polymers (e.g., wood–plastic composites). This Special Issue aims to fill this gap. All papers dealing with improving, or gaining a better understanding of, the thermal stability and fire safety of polymers are welcome. The scope of this issue includes polymer testing; improvements in polymer properties (e.g., not limited to flame retardants), preparing new polymers or their composites, and the simulation of polymer properties from a fire safety perspective. Papers focused on the testing or simulation and calculation of polymers' fire impacts on the environment (occupant and building structures) via released heat, smoke, or toxic combustion products are also welcome. Prof.

Guest Editors

Prof. Dr. Jozef Martinka

Institute of Integrated Safety, Faculty of Materials Science and Technology in Trnava, Slovak University of Technology in Bratislava, Jana Bottu 2781/25, 917 24 Trnava, Slovakia

Prof. Dr. Maros Soldan

Institute of Integrated Safety, Faculty of Materials Science and Technology in Trnava, Slovak University of Technology in Bratislava, Jana Bottu 2781/25, 917 24 Trnava, Slovakia

Deadline for manuscript submissions

closed (31 May 2024)



Polymers

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.7
Indexed in PubMed



mdpi.com/si/191104

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

[mdpi.com/journal/
polymers](https://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](https://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)