

Special Issue

Advance in Polymer-Based Flame Retardant Materials

Message from the Guest Editors

Multifunctional polymers and high-performance building materials such as thermal insulations (PU, EPS) are widely applied in modern infrastructures. This ranges from urban areas (e.g., high-rise, metro, residential and commercial) to rural areas (e.g., mining, energy storage, marine industries). Nonetheless, fire incidents caused by these highly flammable polymers have increased dramatically over the last decade. While fire retardants and fire protection systems can be utilised, the amount of fire toxicity/smoke and halogenated compound emissions are often overlooked. This Special Issues aims to investigate the state of the art and further perspectives of upcoming advanced fire retardant materials, as well as recent developments in multi-scale fire modelling approaches.

Guest Editors

Prof. Dr. Wei Yang

Dr. Anthony Chun Yin Yuen

Dr. Dong Wang

Prof. Dr. Shiya Ran

Deadline for manuscript submissions

closed (5 July 2023)



Polymers

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.7
Indexed in PubMed



mdpi.com/si/93515

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 4.9.

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

Fraunhofer-Institut für Angewandte Polymerforschung, Lehrstuhl für Polymermaterialien und Polymertechnologie, Universität Potsdam, Geiselbergstraße 69, 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, CAPIus / SciFinder, Inspec, and other databases.

Journal Rank:

JCR - Q1 (Polymer Science) / CiteScore - Q1 (General Chemistry)