

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

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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

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