



Fire and Polymeric Materials/Systems Response in Building and Construction Industry

Guest Editor:

Prof. Dr. Aravind Dasari

School of Materials Science and Engineering (Blk. N4.1), Nanyang Technological University, 50 Nanyang Avenue, Singapore 639789, Singapore

Deadline for manuscript submissions:

closed (28 February 2021)

Message from the Guest Editor

Due to the reasons associated with ‘construction productivity’ and ‘aesthetics’ among others, the Building and Construction Industry is one of the major consumers of ‘combustible’ polymeric materials and mass engineered timber. They are widely used in electrical wiring, insulation foams, coatings, etc. Therefore, improving the fire retardancy and resistance of building elements is critical to prevent life as well as economic losses. As many different international standards govern the performance of the materials used for wide variety of applications in this industry, it is also important to move the emphasis beyond the traditional materials-scale characterization.

Therefore, this special issue will be a timely collection of the latest developments in the design, synthesis/processing, characterization, modeling, and performance evaluation of flame/fire retardant materials in the building and construction industry. It offers a great opportunity for researchers/scientists and engineers in this field to present their viewpoints and latest advancements.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Alexander Böker

Lehrstuhl für Polymermaterialien
und Polymertechnologie,
University of Potsdam, 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 5.0.

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