



Application of Polymeric Materials in the Building Industry

Guest Editors:

Dr. Robert Černý

Department of Materials
Engineering and Chemistry,
Faculty of Civil Engineering,
Czech Technical University in
Prague, Thákurova 7, 160 00
Prague, Czech Republic

Dr. Jan Fořt

Department of Materials
Engineering and Chemistry,
Faculty of Civil Engineering,
Czech Technical University in
Prague, Prague, Czech Republic

Deadline for manuscript
submissions:

closed (10 March 2022)

Message from the Guest Editors

The construction industry, which relies heavily on the application of traditional materials such as bricks, concrete, and wood, still presents a substantial challenge for materials engineers considering the new regulations and standards related to energy efficiency, long-term durability, or excellent mechanical performance. Recent developments in materials science, especially polymers, have brought new perspectives in the modification of building materials and consequent improvements. In fact, following this trend, polymers are already being used, e.g., as effective admixtures for the design of self-healing composites that mitigate the effect of structural damage. Polymers can also be utilized in the energy-efficient management of buildings using polymer-based phase change materials, and they can be beneficial in various areas.

The primary aim of this Special Issue is the presentation of possible applications of polymeric materials in the building industry, in particular, innovative polymer-containing composites. Manuscripts focused on new experimental techniques applicable for the characterization of polymer-containing composites are also welcome.





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