

Special Issue

Fiber-Reinforced Polymer Composites for Building and Bridge Applications

Message from the Guest Editors

Recently, new fibers (such as basalt fibers) and new matrixes (such as geo-polymer matrixes) have shown great potential in lieu of traditional FRP composites in many engineering scenarios. For the safe and effective application of FRP composites in civil engineering, plausible approaches to aid in estimating the performances of such structures need to be developed. This Special Issue aims to present recent advances and emerging cross-disciplinary approaches in FRP composites. Special emphasis will be placed on but not limited to the following:

- FRP-strengthened concrete, steel, wood/bamboo, and 3D printing structures;
- Fiber-reinforced cementitious matrix (FRCM);
- Thin-walled FRP composites for building and bridge applications;
- Non-destructive evaluation (NDE) of composite-related structures;
- FRP in combination with non-traditional cementitious materials;
- Emerging algorithms and analytical approaches in composite structures.

Guest Editors

Dr. Xingxing Zou
Dr. Lili Hu
Dr. Zhiqiang Dong

Deadline for manuscript submissions

closed (5 April 2025)



Polymers

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 11.0
Indexed in PubMed



mdpi.com/si/127244

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 11.0
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 (Polymers and Plastics)