

## Special Issue

# Advances in Fabric-Reinforced Cementitious Matrix (FRCM) and Fiber-Reinforced Polymers (FRP) Applications Under Extreme Conditions

### Message from the Guest Editor

This Special Issue targets recent research related to the recent advances in the applications of the different types of FRCM and FRP composites in engineering in general and in concrete structures in particular. Topics may include the durability and overall performance of structural members reinforced and strengthened with FRCM and FRP composites under severe environmental exposure, sustained loading, elevated temperatures, seismic activity, fatigue, fire, blast, and impact. This Special Issue may also address topics related to the FRP strengthening of steel structures, advances and new technologies in FRP bond mechanisms, and the recent usage of prestressed FRP in reinforcing and strengthening structures. Ideally, contributions will focus on experimental tests, finite element and numerical analysis, theoretical and code equations, algorithms, and statistical applications that will help to compile the current state of the art and to highlight the range of their applications. Both original contributions and review articles are welcome.

### Guest Editor

Prof. Dr. Farid Abed

Department of Civil Engineering, American University of Sharjah,  
Sharjah 26666, United Arab Emirates

### Deadline for manuscript submissions

closed (30 September 2023)



## Polymers

an Open Access Journal  
by MDPI

**Impact Factor 4.9**  
**CiteScore 9.7**  
**Indexed in PubMed**



[mdpi.com/si/140408](https://mdpi.com/si/140408)

*Polymers*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[polymers@mdpi.com](mailto: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 4.7.

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

Lehrstuhl für Polymermaterialien und Polymertechnologie, University of Potsdam, 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, CAPlus / SciFinder, Inspec, and other databases.

#### Journal Rank:

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