



Fiber-Reinforced Polymer Composites and Their Applications

Guest Editors:

Dr. Yuanxun Zheng

1. Yellow River Laboratory,
Zhengzhou University,
Zhengzhou 450001, China
2. School of Water Conservancy
and Civil Engineering, Zhengzhou
University, Zhengzhou 450001,
China

Dr. Juan Wang

1. Yellow River Laboratory,
School of Water Conservancy
Engineering, Zhengzhou
University, Zhengzhou 450001,
China
2. State Key Laboratory of
Hydroscience and Engineering,
Tsinghua University, Beijing
100084, China

Deadline for manuscript
submissions:
closed (20 November 2023)

Message from the Guest Editors

Fiber-reinforced polymer (FRP) is widely used in structural repair and reinforcement as a construction material due to its advantageous properties such as its light weight, corrosion resistance, good flexibility, high tensile strength, environmentally friendly nature, etc. This Special Issue deals with various aspects of FRP as a construction and strengthening material, including the use of polymer composites in civil engineering, material science, and hydraulic engineering. The range of potential topics includes the composition, mechanical and micro-strengthening mechanisms, durability, and long-term performance characterization of fiber-reinforced polymer composites, as well as the use of fibers to toughen and strengthen cement-based composites, concrete, recycled concrete, high arch dam concrete, geopolymer concrete, etc. In addition, multi-scale research, meso-numerical simulation, novel reinforcement and repair methods, and applications in practical engineering of fiber-reinforced polymer composites are other potential topics. This issue also accepts state-of-the-art reviews on fiber-reinforced polymer composites in construction materials.





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](#)