Special Issue

Fiber-Reinforced Polymers: Manufacture, Properties and Applications—Second Edition

Message from the Guest Editors

Fiber-reinforced polymers (FRPs) are composite materials consisting of a matrix reinforced with natural fibers, carbon, glass, or aramid. Because the fibers are much stronger and stiffer than the matrix, FRP-type composites commonly have higher strength-weight ratios than other materials. This makes them attractive for use in structural applications where weight is a critical factor. Additionally, FRPs have good corrosion resistance and are resistant to many chemicals, making them useful in harsh environments. In addition to their distinguished mechanical properties, certain FRPs are environmentally friendly. Such fiber-reinforced polymers can be recycled and have a lower carbon footprint compared to traditional materials, making them a sustainable choice for use in most industries. This Special Issue is dedicated to the latest research on these topics, covering all aspects of the manufacture, properties, and application areas of fiber-reinforced polymers.

Guest Editors

Dr. Marius Marinel Stănescu

Department of Applied Mechanics and Civil Constructions, University of Craiova, Craiova, Romania

Dr. Bolcu Dumitru

Department of Applied Mechanics and Civil Constructions, University of Craiova, Craiova, Romania

Deadline for manuscript submissions

31 March 2026



Polymers

an Open Access Journal by MDPI

Impact Factor 4.9 CiteScore 9.7 Indexed in PubMed



mdpi.com/si/233548

Polymers
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
polymers@mdpi.com

mdpi.com/journal/polymers





Polymers

an Open Access Journal by MDPI

Impact Factor 4.9 CiteScore 9.7 Indexed in PubMed



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

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)

