

Special Issue

High-Performance Biocomposite Reinforced by Natural Fibers II

Message from the Guest Editors

several types of natural fibers that can be used as reinforcements, such as agave, hemp, flax, kenaf, and many more, are abundantly available in the current market, and the development of new crops is not necessary. In order to improve the mechanical performance of these biocomposites, several authors have proposed particular fiber treatments or, more recently, the introduction of low volume fractions of micro- and/or nanofillers. However, to date, few works have been devoted to these more recent approaches, including the accurate analysis of their behavior under various loading conditions (fatigue, impact, wear, etc.) and the corresponding aging process under the main environmental agents (temperature, moisture, and ultra-violet light). In addition, their hybridization with synthetic fibers (carbon/glass) or other natural fibers aimed at optimizing specific characteristics such as impact, wear, and aging need further study.

Guest Editors

Prof. Dr. Antonio Pantano

Dipartimento di Ingegneria, Università degli Studi di Palermo, 90128 Palermo, Italy

Prof. Dr. Bernardo Zuccarello

Department of Engineering, University of Palermo, Viale delle Scienze, 90128 Palermo, Italy

Deadline for manuscript submissions

closed (15 April 2023)



Polymers

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.7
Indexed in PubMed



mdpi.com/si/131200

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 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)