

Special Issue

Plastic and Natural Fiber Materials

Message from the Guest Editors

Thermoplastics, natural fibers and natural fiber thermoplastic composites are among the sustainable materials which have recently received great interest in both research and industry development for applications in many sectors, including automotive, sports and aerospace. The materials provide a wide range of advantages such as high specific mechanical properties, recyclability, renewability (in the case of natural fibres), short processing cycle and ability of post-forming. However, there remain challenges in both manufacturing and product performance when using the materials, which include high viscosity of the thermoplastic during composite processing, poor fiber-matrix compatibility and adhesion, low thermal stability and mechanical properties. This Special Issue aims to present the latest scientific and technical advances in materials development, processing, characterizations and applications development of thermoplastics and natural-fiber-reinforced thermoplastics. Sustainability aspects related to the materials and their applications are highly welcome.

Guest Editors

Dr. Le Quan Ngoc Tran

Singapore Institute of Manufacturing Technology (SIMTech), Agency for Science, Technology and Research (A*STAR), Singapore, Singapore

Dr. Carlos A. Fuentes

Materials Research and Technology Department, Luxembourg Institute of Science and Technology, L-4940 Hautcharage, Luxembourg

Deadline for manuscript submissions

closed (25 January 2023)



Polymers

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.7
Indexed in PubMed



mdpi.com/si/62693

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 4.9.

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, CAPlus / SciFinder, Inspec, and other databases.

Journal Rank:

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