Special Issue

Advanced Techniques Utilized in Smart Composites

Message from the Guest Editors

A composite material is a combination, at the macroscopic level, of at least two distinct phases, called matrix and fibres, resulting in a new material with enhanced characteristics from those presented by the individual base materials. The material that forms the matrix – a polymer, a metal, or a ceramic, gives the structure to the composite material, filling in the empty spaces between the fibres and keeping them in their relative position. The fibres or the particles enhance the mechanical, the electromagnetic, or the chemical behaviour of the composite material, to mention few. The reinforcements of a composite material can be composed of short or long fibres (or even dispersed particles), acting as thermomechanical sensors and actuators, constituting the so-called Smart Composites, which are being widespread nowadays in several engineering applications, intimately related with Structural Health Monitoring. Therefore, in this Special Issue, we cordially invite the Colleagues to present current research and engineering applications in these domains, taking also into account the advanced techniques of production and processing of these Smart Composites.

Guest Editors

Dr. Rui F. Martins

Dr. Ricardo Branco

Prof. Dr. Filippo Berto

Deadline for manuscript submissions

closed (13 June 2022)

Polymers

an Open Access Journal by MDPI

Impact Factor 4.9
CiteScore 9.7
Indexed in PubMed

mdpi.com/si/77215

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

mdpi.com/journal/polymers

MDPI

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)