Special Issue

Polymer Hybrids and Composites

Message from the Guest Editor

Polymer-based multiphase materials combine properties of constituents depending on morphologies and interfacial bonding. Most efficient functional materials are two-phase because the individual properties are retained, whereas with a single phase or miscible composition, properties tend to be averaged. An example is the need for two phases to optimise strength and toughness. Natural materials have been used as models for synthetic compositions and innovations have evolved in materials selection, mixing and dispersion, morphology formation through processing and self-assembly, and physio-chemistry at interfaces and the surface. Synthetic materials simulating natural materials are called biomimetic materials. Salient to biomimetic materials are physical interactions or chemical bonding between the components. When like-polymers are combined they are called blends. When polymers are combined with other materials they are called composites, and when they are chemically bonded they form a new material called a hybrid.

Guest Editor

Prof. Em. Dr. Robert A Shanks

School of Science, RMIT University, GPO Box 2476, Melbourne, VIC 3001, Australia

Deadline for manuscript submissions

closed (25 April 2018)

Polymers

an Open Access Journal by MDPI

Impact Factor 4.9
CiteScore 9.7
Indexed in PubMed

mdpi.com/si/11823

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)