polymers

IMPACT FACTOR 4.7

Indexed in: PubMed

CITESCORE 8.0

an Open Access Journal by MDPI

Advances in Nanofillers Reinforced Polymer Nanocomposites

Guest Editor:

Dr. Vineet Kumar
School of Mechanical Engineering, Yeungnam University, Gyeongsan 712-749, Republic of Korea

Deadline for manuscript submissions:
closed (31 January 2022)

Message from the Guest Editor

Dear Colleagues,

Recently, new-generation nanomaterials such as graphene (GE), carbon nanotube (CNT), and clay have been used as nanofillers to improve properties of unfilled polymer matrices. These nanofillers are characterized with at least one dimension below 100 nm. Moreover, these nanofillers improve the properties to an optimum amount at very small amount as compared to CB. These advantages mean that such nanofillers are a promising alternative to CB-reinforced polymer composites.

This Special Issue will address the use of these nanofillers in polymer nanocomposites as an alternative to CB, and their effect on mechanical, electrical, and thermal properties. The improved properties of these nanofillers may be explored in industrial applications such as piezo-electric actuation, piezo-resistive strain sensor, coatings, energy harvesting, tires, etc.

polymers

IMPACT FACTOR 4.7 | Indexed in: PubMed | CITESCORE 8.0

an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Alexander Böker
Lehrstuhl für Polymermaterialien und Polymertechnologie, University of Potsdam, 14476 Potsdam-Golm, Germany

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 5.0.

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.

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)

Contact Us

Polymers Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/polymers
polymers@mdpi.com
𝕏@Polymers_MDPI