

Special Issue

Advances in Polymer Blend Nanocomposites

Message from the Guest Editor

The aim of the present issue is to collect articles dealing with polymer blend nanocomposites and the influence of their microstructure on the properties, especially the multifunctionality, of the final materials. The dispersion and localization of NPs into polymer blends is guided by thermodynamic and kinetics parameters. By varying those parameters, it is possible to change the microstructure of the polymer blend nanocomposite. Hence, polymer blend nanocomposites promise to be innovative materials in many domains and applications, such as transportation, energy, medicine, electronics, and packaging. Moreover, with the development of new biobased nanoparticles (cellulose nanocrystals and nanofibers) and biobased polymers, more sustainable multifunctional materials are emerging. See more information in <https://www.mdpi.com/si/81213>

Guest Editor

Dr. Aurélie Taguet

Polymers Composites and Hybrids (PCH), IMT Mines Ales, Ales, France

Deadline for manuscript submissions

closed (30 June 2022)



Nanomaterials

an Open Access Journal
by MDPI

Impact Factor 4.3
CiteScore 9.2
Indexed in PubMed



[mdpi.com/si/81213](https://www.mdpi.com/si/81213)

Nanomaterials
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
nanomaterials@mdpi.com

[mdpi.com/journal/
nanomaterials](https://www.mdpi.com/journal/nanomaterials)





Nanomaterials

an Open Access Journal
by MDPI

Impact Factor 4.3
CiteScore 9.2
Indexed in PubMed



[mdpi.com/journal/
nanomaterials](https://mdpi.com/journal/nanomaterials)



About the Journal

Message from the Editor-in-Chief

Nanoscience and nanotechnology are exciting fields of research and development, with wide applications to electronic, optical, and magnetic devices, biology, medicine, energy, and defense. At the heart of these fields are the synthesis, characterization, modeling, and applications of new materials with lower nanometer-scale dimensions, which we call “nanomaterials”. These materials can exhibit unusual mesoscopic properties and include nanoparticles, coatings and thin films, metal–organic frameworks, membranes, nano–alloys, quantum dots, self-assemblies, 2D materials such as graphene, and nanotubes. Our journal, *Nanomaterials*, has the goal of publishing the highest quality papers on all aspects of nanomaterial science to an interdisciplinary scientific audience. All of our articles are published with rigorous refereeing and open access.

Editor-in-Chief

Prof. Dr. Eugenia Valsami-Jones

School of Geography, Earth and Environmental Science, University of
Birmingham, Birmingham B15 2TT, UK

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), PubMed, PMC, CAPIus / SciFinder, Inspec, and other databases.

Journal Rank:

JCR - Q2 (Physics, Applied) / CiteScore - Q1 (General
Chemical Engineering)