Special Issue

Biopolymer-Based Nanocomposites

Message from the Guest Editor

The present Special Issue of Nanomaterials will present the current state-of-the-art in the use of biopolymer-based nanocomposites, which represent a remarkable progress in recent years, with many different types of nanocomposites exhibiting radically enhanced properties for a wide range of industrial applications. Contributions from leading groups in the field with the aim of giving a balanced view of the current state-of-the-art in this discipline are invited. It is focused on the design, preparation, and validation of the novel materials, for which the polymer matrix comes from renewable resources, and the role of the nanoscaled filler provides the biocomposite with outstanding properties in the field of application. It covers the proposal of new materials, innovative processing procedures, and original methodological approaches for the improvement of aspects such as security, compatibility, sustainability, degradation, and stability. This Special Issue will collect recent findings and comprehensive reviews from experts in this very active field of research, in order to serve as a useful source of information for researchers and technologists.

Guest Editor

Prof. Dr. Jose D. Badia

Materials Technology and Sustainability RDT Group, Department of Chemical Engineering, School of Engineering, University of València, Valencia, Spain

Deadline for manuscript submissions

closed (18 January 2020)

Nanomaterials

an Open Access Journal by MDPI

Impact Factor 4.3
CiteScore 10.3
Indexed in PubMed

mdpi.com/si/24820

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

mdpi.com/journal/nanomaterials

MDPI

Nanomaterials

an Open Access Journal by MDPI

Impact Factor 4.3
CiteScore 10.3
Indexed in PubMed

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. We are proud of our increasing impact factor and ability to provide rapid decisions to authors.

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, CAPlus / SciFinder, Inspec, and other databases.

Journal Rank:

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

MDPI