Special Issue

Functional Carbon-Based Nanocomposite and Applications

Message from the Guest Editors

This Special Issue aims to collect advances in the synthesis, functionalization, and characterization of carbon-based nanocomposites. Special attention is given to one-pot procedures, advanced synthesis processes (sol–gel, hydrothermal, and ionic liquids) and activation treatments (ultrasound and microwaves) for the preparation of nanocomposites. The application of these nanomaterials in sensors; electrochemical devices; energy; heterogeneous catalysts, including photo-, sono-, electro-, and thermoprocesses; adsorption and molecular sieves for the separation /concentration of substances is also of high interest. We are pleased to invite you to submit a manuscript for this Special issue. Original research articles, short communications, and reviews are welcome. We look forward to receiving your contributions.

Guest Editors

Dr. Sergio Morales-Torres
Dr. Luisa Pastrana-Martínez
Prof. Dr. Francisco José Maldonado-Hódar

Deadline for manuscript submissions

closed (15 May 2023)

Nanomaterials

an Open Access Journal by MDPI

Impact Factor 4.3
CiteScore 9.2
Indexed in PubMed

mdpi.com/si/97110

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

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

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