



an Open Access Journal by MDPI

Carbon Nanomaterials for Therapy, Diagnosis, and Biosensing

Guest Editors:

Prof. Dr. Antonino Mazzaglia

CNR-ISMN, c/o Department of
Chemical, Biological,
Pharmaceutical and
Environmental Sciences of the
University of Messina, Viale F.
Stagno D'Alcontres 31, I-98166
Messina, Italy

Prof. Dr. Anna Piperno

Department of Chemical,
Biological, Pharmaceutical and
Environmental Sciences,
University of Messina, Viale F.
Stagno D'Alcontres 31, I-98166
Messina, Italy

Deadline for manuscript
submissions:

closed (31 July 2020)

Message from the Guest Editors

Nanoplatforms originating from the synergistic combination of carbon based nanomaterials with various functional molecules, such as drugs, natural compounds, biomolecules, polymers, metal nanoparticles, and macrocycles, and with a relevant perspective on drug delivery, multitargeted therapy, theranostics, as well as scaffolds in tissue engineering and biosensing, will be highly considered for publication. In particular, this issue seeks works that offer novel insight into the following subjects: i) Synthetic approaches to improve therapeutic performances of carbon nanomaterials as drug carriers, including stimuli-responsive properties and as gene vectors; ii) design of carbon nanomaterials for diagnosis and theranostics, highlighting the physicochemical characterization and their correlation with the biological properties; iii) scaffolds based on carbon nanomaterials for regenerative medicine and tissue engineering; iv) novel carbon nanomaterial platforms as biosensors or “old” carbon nanomaterials with novel biosensing properties.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Shirley Chiang

Department of Physics, University
of California Davis, One Shields
Avenue, Davis, CA 95616-5270,
USA

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.

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 (*Chemistry, Multidisciplinary*) / CiteScore - Q1 (General Chemical Engineering)

Contact Us

Nanomaterials Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/nanomaterials
nanomaterials@mdpi.com
[X@nano_mdpi](https://twitter.com/nano_mdpi)