

Special Issue

Carbon Nanotube-Based Materials: Experiments and Modelling

Message from the Guest Editor

With their vastly superior mechanical, electrical, and thermal properties, carbon nanotubes (CNTs) can be expected to seed significant developments leading to a new generation of future advanced materials. High-performance CNTs have increasingly been used in numerous applications, such as in the manufacture of multifunctional composites, engineering fibers, and electronic and electrochemical devices. Over the last decade, efforts have been carried out to improve the mechanical, electrical, and thermal performances of CNT products by controlling the length, wall number, diameter, alignment, inter-tube load transfer, and entanglement of the constituent CNTs. This Special Issue focuses on current innovative research of carbon nanotube-based materials through experiments and computational modeling.

Guest Editor

Dr. Hai Minh Duong

Department of Mechanical Engineering, National University of Singapore, Singapore

Deadline for manuscript submissions

closed (30 June 2019)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/21158

*International Journal of
Molecular Sciences*
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
ijms@mdpi.com

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





International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



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



About the Journal

Message from the Editor-in-Chief

The *International Journal of Molecular Sciences (IJMS)* is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, and molecular biophysics. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

Editor-in-Chief

Prof. Dr. José L. Quiles
Department of Physiology, Institute of Nutrition and Food Technology
"Jose Mataix", Biomedical Research Center, University of Granada,
Avda. Conocimiento s/n, 18100 Armilla, Granada, Spain

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, MEDLINE, Embase, CAPus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Organic Chemistry)