



## Biomedical Applications of Carbon Nanostructures

Guest Editor:

**Prof. Dr. Tomasz Pańczyk**

Institute of Catalysis and Surface  
Chemistry of the Polish Academy  
of Sciences, Krakow, Poland

Deadline for manuscript  
submissions:

**closed (31 July 2022)**

### Message from the Guest Editor

Dear Colleagues,

The term carbon nanostructures covers a fairly wide range of carbon materials. The best-known representatives of carbon nanostructures are: carbon nanotubes, nanodiamonds, etc. Since their discovery or synthesis, much attention has been paid to the use of these materials in medicine. In this context, the use of carbon nanostructures is considered as drug carriers—mainly anti-cancer and anti-inflammatory drugs, biosensors and diagnosis tools, tissue-engineering factors, or as inhibitors of various biological processes, including viral infections. Therefore, the main aim of this Special Issue is to highlight the importance of the diversity of the research techniques used in this field and their complementarity. This is highly important because a full understanding of a given process or phenomenon requires both detailed experimental analysis and understanding its mechanism at the molecular level. So, we are looking for manuscripts that describe new observations related to the biomedical applications of carbon nanostructures or review articles that use theoretical or experimental methods as well as both approaches simultaneously.





an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Maurizio Battino

Department of  
Odontostomatologic and  
Specialized Clinical Sciences,  
Sez-Biochimica, Faculty of  
Medicine, Università Politecnica  
delle Marche, Via Ranieri 65,  
60100 Ancona, Italy

## Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) 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, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *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.

## 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, CAPlus / SciFinder, and other databases.

**Journal Rank:** JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Organic Chemistry)

## Contact Us

*International Journal of Molecular  
Sciences* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

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

mdpi.com/journal/ijms  
ijms@mdpi.com  
X@IJMS\_MDPI