



## Multidisciplinary Investigations of Nanoparticle Synthesis and Analysis for Possible Biomedical and Food Technology Applications

Guest Editor:

### Message from the Guest Editor

**Dr. Maciej Jarzębski**

Department of Physics and  
Biophysics, Poznań University of  
Life Sciences

maciej.jarzelski@o2.pl

Deadline for  
manuscript submissions:

**30 April 2021**

Dear Colleague,

The issue is dedicated to nanoparticles, nanosized and submicron-sized structures that can be applied in a wide range of biomedical and food technologies. We focus on the multidisciplinary investigations of nanosized and submicron-sized structures with wide experimental design and property characterization. The authors can present new nanomaterials and nanostructure synthesis routes. Nano- and submicron-sized structure characterization technique applications are especially welcome. Nanocarriers such as core-shell systems, liposomes, nanoemulsions, as well as natural-based nanoparticle characterization are invited to this issue. Furthermore, biomaterial, nanosensor, liposome, metal oxide, and polymeric nanostructure development description is cordially welcome. Finally, we would like to present a new way for nanostructure investigations where researchers from different specializations, i.e., materials science, medicine, and food technology, chemistry and physics, etc., meet and present their ideas and results in nanoscience. Research articles, review articles and mini-review are also welcome (review since past last 5 years).

Dr. Maciej Jarzębski

*Guest Editor*





an Open Access Journal by MDPI

### Editors-in-Chief

Prof. Dr. Charles Brennan

Prof. Dr. Andreas Taubert

Prof. Dr. Kurt A. Jellinger

Prof. Dr. Ian A. Nicholls

Prof. Dr. Stephen A. Bustin

Prof. Dr. Xiaofeng Jia

Prof. Dr. Maurizio Battino

Prof. Dr. Guido R.M.M. Haenen

Prof. Dr. Setsuko Komatsu

Prof. Dr. Claudiu T. Supuran

Prof. Dr. Irmgard Tegeder

### Message from the Editorial Board

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 by the **Science Citation Index Expanded** (Web of Science), MEDLINE (PubMed), Scopus and other databases.

**Rapid Publication:** manuscripts are peer-reviewed and a first decision provided to authors approximately 13.4 days after submission; acceptance to publication is undertaken in 2.2 days (median values for papers published in this journal in the first half of 2020).

### Contact Us

*International Journal of Molecular  
Sciences*  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
Fax: +41 61 302 89 18  
www.mdpi.com

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