

Special Issue

Non-Thermal Plasma Interactions with Different Living Systems 2.0

Message from the Guest Editor

Non-thermal plasma (NTP) and its impacts on different biological systems have begun to be more extensively studied in the past few decades. Its decontamination effects are the most significant and most studied. Plasma can effectively inactivate a broad range of microorganisms, which predetermines it for many practical applications in the agriculture and food industry. The positive impact of NTP has been confirmed in medicine, especially, in dermatology and oncology. Besides this, NTP can also degrade various pharmaceuticals from wastewater or the environment. This Special Issue will bring together original research and review articles on non-thermal plasma interactions with various living systems. It highlights discoveries, comprehensive approaches, and developments in molecular research on the utilization of this physical factor in different fields of human life. The main feature of this Special Issue is to provide open-source sharing of significant works in the field of molecular research that can advance our understanding of plasma action, which may lead to the genotoxicological safety in all mentioned applications.

Guest Editor

Dr. Eva Horvathova

Cancer Research Institute, Biomedical Research Centre of the Slovak Academy of Sciences, Dúbravská Cesta 9, 845 05 Bratislava, Slovakia

Deadline for manuscript submissions

closed (31 May 2022)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/103706

*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*, 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.

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

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)