

Special Issue

Plasma Bioscience and Medicine Molecular Research

Message from the Guest Editors

The objective of this Special Issue is to present research underlying nonthermal gas plasma therapeutic methods useful in medicine, skin, aesthetics, food processing, decontamination, sterilization, and, in the current scenario, challenges and perspectives in biomedical sciences. Plasma medicine researchers are focused on basic studies on the characterization of the bioplasma sources applicable to living cells, especially to the human body, and fundamental research on mutual interactions between bioplasma and organic-inorganic, liquid, and bio- or nanomaterials. Although the processes that accompany the development of plasma-based applications are known, the underlying molecular basis is less understood. For that, knowing new mechanisms and molecular events that participate in this plasma-induced biological process is fundamental to understand its development and would allow having new targets for biological applications or new treatment strategies. With this Special Issue of IJMS, we aim to offer a platform for high-quality publications on nonthermal plasma-based new mechanisms and molecular responses.

Guest Editors

Prof. Dr. Nagendra Kumar Kaushik

Plasma Bioscience Research Center, Department of Electrical and Biological Physics, Kwangwoon University, Seoul 01897, Republic of Korea

Prof. Dr. Eun Ha Choi

Department of Electrical and Biological Physics, Plasma Bioscience Research Center, Kwangwoon University, Seoul 01897, Republic of Korea

Deadline for manuscript submissions

closed (15 November 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/96003

*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)