



Plasma Bioscience and Medicine Molecular Research

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

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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.





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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

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MDPI, Grosspeteranlage 5
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