

Special Issue

Plasma Technology for Biomedical Applications

Message from the Guest Editor

Sepecial Issue “Plasma Technology for Biomedical Applications”, aims to present recent developments in the field of the use of ionized gases in biology and medicine.

The use of plasmas for biomedical applications in encountering a growing interest, especially in the framework of so-called “plasma medicine”, which aims at exploiting the action of low-power, atmospheric pressure plasmas for therapeutic purposes. From the scientific viewpoint, action mechanisms for the interaction of plasmas with cells, tissues and pathogens are being elucidated. The use of plasmas for proper functionalization of materials to be used in medical practice is also a field where constant advances are being made. Finally, one should mention the possibility of plasma-cell interactions not directly related to a therapeutic action of the plasma, but of great importance for facilitating other therapeutic approaches, such as plasma-mediated gene transfection and drug penetration.

I thus invite you to submit your research on these topics, in the form of original research papers, mini-reviews and perspective articles.

Guest Editor

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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