

Special Issue

Applications and Perspectives of Cold Electric Discharge Plasmas in Biomedicine and Bioengineering

Message from the Guest Editor

Cold electric discharge plasmas have been of great interest for society since their discovery almost a century ago. The involvement of electric discharges in the bio-medicine path (e.g., plasma medicine, plasma pharmacology, plasma oncology, plasma bioengineering, plasma agronomy) is a broad new field that needs specific regulations in order to fulfill the needs/demands of the beneficiaries of these plasma technologies. This Special Issue is intended to present results concerning new and innovative applications, as well as perspectives, of cold electric discharge plasma for the bio-medicine field. Here, we welcome the submission of results on plasma discharge diagnostics using electric to optic/spectroscopic methods, monitoring techniques, as well as new devices specially made for plasma diagnostics, plasma-surface interactions or even for surface investigation after plasma exposure.

Potential topics include, but are not limited to, the following:

1. Plasma technology; 2. Atmospheric-pressure plasmas; 3. Plasma medicine; 4. Plasma oncology; 5. Biological effects of plasmas; 6. Future perspectives for electrical discharges; 7. Role of cold plasmas in medicine.

Guest Editor

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Message from the Editor-in-Chief

Biomedicines (ISSN 2227-9059) is an open access journal devoted to all aspects of research on human health and disease, the discovery and characterization of new therapeutic targets, therapeutic strategies, and research of naturally driven biomedicines, pharmaceuticals, and biopharmaceutical products. Topics include pathogenesis mechanisms of diseases, translational medical research, biomaterial in biomedical research, natural bioactive molecules, biologics, vaccines, gene therapies, cell-based therapies, targeted specific antibodies, recombinant therapeutic proteins, nanobiotechnology driven products, targeted therapy, bioimaging, biosensors, biomarkers, and biosimilars. The journal is open for publication of studies conducted at the basic science and preclinical research levels. We invite you to consider submitting your work to *Biomedicines*, be it original research, review articles, or developing Special Issues of current key topics.

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