



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

Guest Editor:

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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.





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Message from the Editor-in-Chief

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