

Special Issue

Biomedical Applications of Pulsed Power and Plasmas

Message from the Guest Editors

The biomedical applications of pulsed power and plasmas have matured extensively over the past two decades. While pulsed power has been studied for over fifty years for biomedical applications, the past two decades have witnessed extensive growth in applications including electrochemotherapy, irreversible electroporation, platelet activation, stem cell stimulation, nonlethal defense, and microbial inactivation for medicine and food. While a more recent development, plasma applications have grown rapidly around the world in food, wound care, burn treatments, and cancer therapy. Fundamental studies of electric pulse interactions at the tissue and cell levels and the determination of dominant plasma-induced reactive species continue for system optimization. This Special Issue of the journal *Applied Sciences*, “Biomedical Applications of Pulsed Power and Plasmas”, aims to attract novel contributions covering a wide range of fundamental and applied studies in these areas.

Guest Editors

Dr. Allen L. Garner

Prof. Dr. Raji Sundararajan

Dr. Ravi Joshi

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Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
applsci@mdpi.com

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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

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,
20133 Milano, Italy

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