



Biomedical Applications of Pulsed Power and Plasmas

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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.





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Message from the Editor-in-Chief

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