

Special Issue

Electroporation Systems and Applications

Message from the Guest Editor

Electroporation is a phenomenon of biological cell membrane permeabilization triggered by a pulsed electric field, and is accompanied by the electro-transfer of target molecules inside or outside the cell. It is widely used in biomedicine, food processing, biotechnology, and other applied sciences. Depending on the electric field parameters, a variety of electroporation-mediated biological effects can be triggered requiring state-of-the-art technological platforms for pulse generation, metrology, and application. As a result, the development of electroporation systems is constantly performed, and the array of applications is systemically expanded. This Special Issue is dedicated to all aspects of applied electroporation research and the development of pulsed power devices.

Guest Editor

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Deadline for manuscript submissions

closed (31 March 2021)



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



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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.

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