



Advances in Electroporation Systems and Applications

Guest Editor:

Prof. Dr. Vitalij Novickij

1. Institute of High Magnetic Fields, Vilnius Gediminas Technical University, LT-10223 Vilnius, Lithuania
2. Department of Immunology, Centre for Innovative Medicine, LT-08406 Vilnius, Lithuania

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Message from the Guest Editor

Dear Colleagues,

Electroporation is a phenomenon of biological cell membrane permeabilization triggered by a pulsed electric field; it 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, which require state-of-the-art technological platforms for pulse generation, metrology, and application. As a result, the development of electroporation systems is ongoing, and the array of applications is systemically expanded. This Special Issue is dedicated to all aspects of applied electroporation research, as well as the development of pulsed power devices.

Prof. Dr. Vitalij Novickij
Guest Editor





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Editor-in-Chief

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

Message from the Editor-in-Chief

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Applied Sciences Editorial Office
MDPI, Grosspeteranlage 5
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