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Soggetti	Biomedical engineering Electroporation Pharmaceutical technology Cell physiology Biophysics Microbiology Biomedical Engineering and Bioengineering Pharmaceutical Sciences/Technology Cell Physiology Biological and Medical Physics, Biophysics Food Microbiology
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Sommario/riassunto	This major reference work is a one-shot knowledge base on electroporation and the use of pulsed electric fields of high intensity and their use in biology, medicine, biotechnology, and food and environmental technologies. The Handbook offers a widespread and well-structured compilation of chapters ranging from the foundations to applications in industry and hospital. It is edited and written by most prominent researchers in the field. With regular updates and growing in its volume it is suitable for academic readers and researchers regardless of their disciplinary expertise, and will also be accessible to students and serious general readers. The authors of chapters have established scholarly credentials and come from a wide range of

disciplines. This is crucially important in a highly interdisciplinary field of electroporation and the use of pulsed electric fields of high intensity and its applications in different fields from medicine, biology, food processing, agriculture, process engineering, energy and environment. An Editorial Board of distinguished scholars from across the world has selected and reviewed the various chapters to ensure the highest quality of this Handbook. The book was edited by an international team of Section Editors: P. Thomas Vernier, Old Dominion University, Norfolk, USA Boris Rubinsky, University of California, Berkeley, USA Juergen F. Kolb Leibniz Institute for Plasma Science and Technology, Greifswald, Germany Damijan Miklavcic, University of Ljubljana, Slovenia Marie-Pierre Rols, IPBS CNRS, Toulouse, France Javier Raso, University of Zaragoza, Spain Richard Heller, Old Dominion University, Norfolk, USA Gregor Serša, Institute of Oncology Ljubljana, Slovenia Dietrich Knorr, Technische Universität Berlin, Germany Eugene Vorobiev Université de Technologie de Compiègne, France.
