

Contents

Preface.....	vii
Editor	xiii
Contributors	xv
1 Coupling of Electromagnetic Fields into Biological Systems.....	1
<i>James C. Lin</i>	
2 Pulsed Electric Fields in Biological Cells and Membranes.....	71
<i>R. P. Joshi and K. H. Schoenbach</i>	
3 Static, Low-Frequency, and Pulsed Magnetic Fields in Biological Systems.....	115
<i>Shoogo Ueno and Hideyuki Okano</i>	
4 Interaction of Extremely Low-Frequency Electromagnetic Fields with Biological Systems.....	197
<i>Tsukasa Shigemitsu and Kenichi Yamazaki</i>	
5 Mobile Communication Fields in Biological Systems.....	261
<i>Konstantina S. Nikita and Asimina Kiourti</i>	
6 Medical Devices and Systems Exposure and Dosimetry.....	331
<i>N. Leitgeb</i>	
7 Terahertz Radiation: Sources, Applications, and Biological Effects.....	369
<i>Gerald J. Wilmink and Jessica E. Grundt</i>	
Index	421