

Contents

Acknowledgment	v
Contributing Authors	ix
Preface	xi
1. Genomic Information: Frontiers of Toxicology	1
<i>James R. Beall and Marvin Stodolsky</i>	
2. Antisense Therapeutics	23
<i>Stanley T. Crooke</i>	
3. Safety Evaluation for New Varieties of Food Crops Developed Through Biotechnology	61
<i>Bruce G. Hammond and Roy L. Fuchs</i>	
4. Therapeutic Manipulation of Cytokines	81
<i>Robert V. House</i>	
5. Triplex and Ribozyme Technology in Gene Repression	109
<i>Yan Lavrovsky, Shuo Chen, and Arun K. Roy</i>	
6. Food Allergens: Implications for Biotechnology	127
<i>Samuel B. Lehrer and Gerald Reese</i>	
7. The Pharmacokinetics and Toxicity of Phosphorothioate Oligonucleotides	151
<i>Arthur A. Levin, Richard S. Geary, Janet M. Leeds, David K. Monteith, Rosie Yu, Mike V. Templin, and Scott P. Henry</i>	
8. Biotechnology in Agriculture and the Environment: Benefits and Risks	177
<i>Christine McCullum, David Pimentel, and Maurizio G. Paoletti</i>	
9. Biotechnology and Risk	219
<i>Henry I. Miller</i>	
10. Safety Assessment of Insect-Protected Corn	241
<i>Patricia R. Sanders, Thomas C. Lee, Mark E. Groth, Jim D. Astwood, and Roy L. Fuchs</i>	

11. Pharmacology of Recombinant Proteins	257
<i>James E. Talmadge</i>	
12. Biotechnology: Therapeutic and Nutritional Products	283
<i>John A. Thomas</i>	
13. Clinical Toxicity of Interferons	301
<i>Thierry Vial and Jacques Descotes</i>	
Index	331