
Contents

Preface.....	vii
Contributors.....	ix
1. From Chitin to Chitosan	1
<i>Dayong Teng</i>	
2. Chitosan Derivatives	39
<i>Junjie Li, Liandong Deng, and Fanglian Yao</i>	
3. Bioactivities of Chitosan and Its Derivatives	109
<i>Aiping Zhu and Jian Shen</i>	
4. Formation of Chitosan-Based Hydrogels Network	179
<i>Yuji Yin and Junjie Li</i>	
5. Environment-Stimuli Response of Chitosan-Based Hydrogels	235
<i>Junjie Li and Fanglian Yao</i>	
6. Chitosan-Based Gels for the Drug Delivery System	263
<i>Jin Zhao</i>	
7. Application of Chitosan-Based Gels in Pharmaceuticals	315
<i>Yuliang Xiao, Jiangfeng Zhu, and Lianyin Zheng</i>	
8. Enzyme Immobilization on Chitosan-Based Supports	339
<i>Kang Wang</i>	
9. Application of Chitosan-Based Biomaterials in Tissue Engineering.....	407
<i>Changyong Wang, Junjie Li, and Fanglian Yao</i>	
10. Future	469
<i>Dunwan Zhu, Xigang Leng, and Kangde Yao</i>	
Index	481