

CONTENTS

Preface		vii
Chapter 1	Potential Use of Human Serum Albumin As a Drug Delivery Systems <i>Yu Ishima, Toru Maruyama and Masaki Otagiri</i>	1
Chapter 2	Human Serum Albumin (HSA) Drug Delivery System <i>Dorota Bartusik, David Aebisher and Boguslaw Tomanek</i>	23
Chapter 3	Recombinant Human Serum Albumin Fusion Proteins: Novel Applications and Challenges <i>Daoyuan Dong, Zhijun Li, Xun Li and Zhiyu Li</i>	47
Chapter 4	Pharmacokinetically Modified Human Serum Albumin Based Therapeutic Design and Development <i>Kazuaki Taguchi, Victor Tuan Giam Chuang, Keishi Yamasaki and Masaki Otagiri</i>	69
Chapter 5	Glycative and Oxidative Modification of Human Serum Albumin: Conformational and Functional Changes <i>Makoto Anraku, Ulrich Kragh-Hansen, Toru Maruyama and Masaki Otagiri</i>	91
Chapter 6	Analysis of the Organic Solvent Effect on the Hydration and Structure of Human Serum Albumin by Infrared Spectroscopy <i>Vladimir A. Sirotkin</i>	113
Chapter 7	CAPIDAN, a Fluorescent Reporter for Detection of Albumin Drug-Binding Site Changes <i>G. E. Dobretsov, T. I. Syrejschikova, N. V. Smolina and M. G. Uzbekov</i>	129
Index		173