

Contents

Preface.....	ix
--------------	----

PERSPECTIVE

1. Importance of European Phytomedicinals in the American Market: An Overview.....	2
Varro E. Tyler	
2. Status of Phytopharmaceuticals Within the European Market.....	13
R. Anton and B. Kuballa	
3. The German Commission E Monograph System for Phytomedicines: A Model for Regulatory Reform in the United States.....	30
Mark Blumenthal	
4. Botanicals: A Current Regulatory Perspective for the United States.....	37
Loren D. Israelsen	

SPECIFIC EFFECTS

5. Search for New Plant Constituents with Antiasthmatic and Antihypertonic Activity.....	46
H. Wagner	
6. Herbal Drugs in the Treatment of Benign Prostatic Hyperplasia.....	62
H. Schilcher	
7. Plant Polysaccharides and Cancer.....	74
G. Franz	
8. Secondary Metabolites from Plants as Antiretroviral Agents: Promising Lead Structures for Anti-HIV Drugs of the Future	83
Eckart Eich	
9. Herbal Laxatives: Influence of Anthrones-Anthraquinones on Energy Metabolism and Ion Transport in a Model System.....	97
H. W. Rauwald	

SPECIFIC PLANTS

10. Arnica Flowers: Pharmacology, Toxicology, and Analysis of the Sesquiterpene Lactones—Their Main Active Substances.....	118
G. Willuhn	

11.	<i>Curcuma</i> (Tumeric): Biological Activity and Active Compounds.....	133
	M. Wichtl	
12.	<i>Echinacea</i> : Biological Effects and Active Principles.....	140
	R. Bauer	
13.	Feverfew: A Review of Its History, Its Biological and Medicinal Properties, and the Status of Commercial Preparations of the Herb.....	158
	S. Heptinstall and D. V. C. Awang	
14.	Garlic: A Review of Its Medicinal Effects and Indicated Active Compounds.....	176
	Larry D. Lawson	
15.	Neuroprotective Effects of <i>Ginkgo biloba</i> Extract.....	210
	Barbara Ahlemeyer and Josef Kriegstein	
16.	Biochemical, Pharmaceutical, and Medical Perspectives of Ginseng.....	221
	O. Sticher	
17.	Hawthorn (<i>Crataegus</i>): Biological Activity and New Strategies for Quality Control.....	241
	O. Sticher and B. Meier	
18.	Influence of the Flavonolignan Silibinin of Milk Thistle on Hepatocytes and Kidney Cells.....	263
	J. Sonnenbichler, I. Sonnenbichler, and F. Scalera	
19.	Phytotherapeutic Immunomodulation as a Treatment Modality in Oncology: Lessons from Research with Mistletoe.....	278
	H.-J. Gabius and S. Gabius	
20.	Chemistry and Biology of <i>Hypericum perforatum</i> (St. John's Wort).....	287
	Hans D. Reuter	
21.	<i>Vitex agnus-castus</i> (Chaste Tree): Pharmacological and Clinical Data.....	299
	H. Winterhoff	

INDEXES

Author Index.....	310
Subject Index.....	311