

Contents

<i>Foreword</i>	vii
<i>Preface</i>	ix
<i>List of Contributors</i>	xvii
1. Natural Products in Drug Discovery: Impacts and Opportunities — An Assessment	1
Goutam Brahmachari	
2. Vascular Regulation by Small Peptides	201
Toshiro Matsui, Zhengquan Wang and Mitsuru Tanaka	
3. Key Natural Products in Malaria Chemotherapy: From Quinine to Artemisinin and Beyond	223
Jean Fotie	
4. Natural Product Inhibitors and Activators of Histone Deacetylases	273
Michael D. Scott, Manas K. Haldar and Sanku Mallik	
5. Artemisinin: A Promise for the Development of Potent Anticancer Agents	311
Daniel L. da Silva, Luzia V. Modolo, Ilza M. O. Sousa, Rodney A. F. Rodrigues, Mary Ann Foglio and Ângelo de Fátima	
6. Andrographolide: A Plant-Derived Natural Molecule of Pharmaceutical Promise	335
Goutam Brahmachari	

7. Natural Products in Alzheimer's Disease: Impacts and Prospects	369
Shri Kant Mishra, Mark C. Stahl and Parampreet Singh	
8. Use of Multi-nutrient Functional Peptide Complex «GRINIZATION» for Treatment and Prevention of Viral Infections	401
Viktor Lozitsky, Alla Fedchuk, Irina Gomolyako, Ivan Chekman, Anatoliy Bulavka, Galyna Anokhina, Georgiy Donchenko, Sergiy Pozdnyakov, Xeniya Igrunova, Tetyana Grydina, Lidiya Socheslo, Liubov Mudryk, Nataliya Klochkova, Larysa Shytikova, Valentina Pushkina, Olga Golubovska, Vladimir Shestakov and Anatoliy Pechinka	
9. Anti-Infective Flavonoids: An Overview	443
María José Abad, Luis Miguel Bedoya, Luis Apaza and Paulina Bermejo	
10. Anti-<i>Helicobacter Pylori</i> Activities of Compounds of Natural Origin	475
Temitope O. Lawal, Kapil K. Soni, R. C. Saxena, Bolanle A. Adeniyi and Gail B. Mahady	
11. Natural Bioactive Principles in the Treatment of Skin Diseases	499
Emmanuel C. Ibezim	
12. Anti-Diabetic Agents of Natural Origin: A Retrospective Account of Some Promising Chemotypes	519
Goutam Brahmachari	
13. Fermentation Improvement of Processes Yielding Natural Products for Industry	601
Arnold L. Demain and Sergio Sanchez	

14. Plant Cell Culture and Transgenic Plants: The Goldmines for the Production of Compounds of Pharmacological Interest	631
Ana Paula de Faria, Ângelo de Fátima, Vagner A. Benedito and Luzia V. Modolo	
<i>Index</i>	655