

Contents

1	How Techniques of Herbal Drug Preparation Affect the Therapeutic Outcome: Reflections on Qinghao 青蒿 (Herba <i>Artemisiae annuae</i>) in the History of the Chinese Materia Medica	1
	Elisabeth Hsu	
2	Ethnopharmacology of <i>Artemisia annua</i> L.: A Review	9
	Alia Sadiq, Muhammad Qasim Hayat and Muhammad Ashraf	
3	<i>Artemisia annua</i>: A Miraculous Herb to Cure Malaria	27
	M. Naeem, Mohd Idrees, Minu Singh, M. Masroor A. Khan and Moinuddin	
4	Whole Plant Approaches to Therapeutic Use of <i>Artemisia annua</i> L. (Asteraceae)	51
	Pamela Weathers, Kirsten Reed, Ahmed Hassanali, Pierre Lutgen and Patrick Ogowang Engeu	
5	Pharmacological Potentials of Artemisinin and Related Sesquiterpene Lactones: Recent Advances and Trends	75
	María José Abad Martínez, Luis Miguel Bedoya del Olmo, Luis Apaza Ticona and Paulina Bermejo Benito	
6	Taxonomic Implications of <i>Artemisia annua</i> L.	95
	Sadia Malik, Muhammad Qasim Hayat and Muhammad Ashraf	
7	Trichomes in <i>Artemisia annua</i>: Initiation, Development, Maturation and the Possibilities to Influence these Factors	113
	Anders Kjaer, Kai Grevsen and Martin Jensen	
8	Potential Methods to Improve the Efficiency of Artemisinin Extraction from <i>Artemisia annua</i>	125
	Rhianna Briars and Larysa Paniwnyk	

9	Extraction, Purification, and Quantification of Artemisinin and its Analogs from <i>Artemisia annua</i> L.	139
	Shuoqian Liu, Na Tian and Zhonghua Liu	
10	Effect of Mineral Nutrition, Growth Regulators and Environmental Stresses on Biomass Production and Artemisinin Concentration of <i>Artemisia annua</i> L.	157
	Tariq Aftab, M. Masroor A. Khan and J. F. S. Ferreira	
11	Recent Advances to Enhance Yield of Artemisinin: A Novel Antimalarial Compound, in <i>Artemisia annua</i> L. Plants	173
	Mauji Ram, D. C. Jain, Himanshu Mishra, Shantanu Mandal and M. Z. Abdin	
12	Artemisinin in Cancer Therapy	205
	Bianca Ivanescu and Andreia Corciova	
13	Recent Developments in Controlling Insect, Acari, Nematode, and Plant Pathogens of Agricultural and Medical Importance by <i>Artemisia annua</i> L. (Asteraceae).	229
	Jalal Jalali Sendi and Roya Khosravi	
14	Reverse Pharmacology and Drug Discovery: <i>Artemisia annua</i> and Its Anti-HIV Activity	249
	Frank van der Kooy	
15	Production of Artemisinin <i>In Planta</i> and in Microbial Systems Need Not Be Mutually Exclusive	269
	Ebiamadon Andi Brisibe and Peter Nkachukwu Chukwurah	