## **Contents**

Foreword
Note from the Editors
Phytonutrients - The Natural Drugs of the Future  Tracy Gibbs
Research on the Supercritical CO <sub>2</sub> Extraction of Xinyang  MaoJian Tea
Applications of RNAi Technology
Enhancing Bioactive Molecules in Medicinal Plants 43  M Z Abdin
Biotransformation of Taxanes from Cell Cultures of <i>Taxus</i> sp 58  Jungui Dai, Dean Guo, Masayoshi Ando and Lin Yang
Biotransformation of Terpenes and Steroids by Fungi
Paul B Reese
Rapid Analysis of Triterpenoid Saponins in Plant Extract Using ESI-MS <sup>n</sup> and LC-MS <sup>n</sup>
HPLC-MS Analysis of Phenolic Constituents of <i>Phyllanthus</i> Amarus
Structure Elucidation of Norditerpene Alkaloids from Ranunculaceae Species
Quantitative Detection of Isoflavones in the Extract of Red Clover by HPLC/ESI-MS

viii Contents

Measurement of Bioactive Constituents in Traditional Chinese  Medicines by CE with Electrochemical Detection  Gang Chen and Xiaohong Chen	109
Chemical Constituents of Aegiceras corniculatum  Zhang Daojing, Zhang Si, Wu Jun and Yang Jin	127
Norditerpenoids from the Soft Coral Nephthea chabroli	134
The Metabolites of the Mangrove Fungus Xylaria sp (2508)  Zhi-gang She, Yong-cheng Lin, Zhi-yong Guo, Xiong-yu Wu and Yan Huang	142
Phytochemical Evaluation of Polyherbal Formulations Using HPTLC	149
Application of Chromatographic Fingerprint to Quality Control for Clematis chinensis	177
The Bioactive Pigments from Marine Bacteria <i>Pseudomonas</i> sp  Hou-Jin Li, Wen-Jian Lan, Chuang-Hua Cai, Yi-Pin Zhou and Yong-Cheng Lin	188
Bioactive Natural Products from Marine Sponges	195
Anti-Inflammatory and Neurotrophic Alkaloids from Higher Plants and Fungi	206
Effects of Bovine Kidney Heparan Sulphate and Shark Cartilage Chondroitin-6-Sulphate on Palatal Fibroblast Activities	223
Inhibition of Aflatoxin Biosynthesis in Aspergillus Flavus by Phenolic Natural Products	231

Effects of the Cultured Cordyceps Exopolysaccharide Fraction (Epsf) on Some Parameters of Mouse Immune Function In Vivo and In Vitro	252
Lactobacillus rhamnosus Induces Differential Anti-proliferative Responses and Interleukin-6 Expression Levels in SV-40 and Malignant Uroepithelial Cells  Ying-Jing Yong, Ratha Mahendran, Yuan-Kun Lee and Boon-Huat Bay	259
Cruciferous Vegetables and Chemoprotection – A Role of ITC-Mediated Apoptosis	267
Tanshinone I and Tanshinone IIA from Salvia Miltiorrhiza Inhibit Growth of K1735M2 Murine Melanoma Cells via Different Pathways  Zhenlong Wu, Ying Yang, Ruolin Yang, Guoliang Xia, Liping Xie and Rongqing Zhang	285
New Pesticidal Compounds from Limonoids	296
Insecticidal Properties of Anacardium Occidentale L	312
Antibacterial Effect of Extracts from Persimmon Leaves	324
Protective Effect of Crocin on Rat Heart Ischemia-Reperfusion Injury: Possible Mechanisms	335
Protective Effects of Herba Leonuri in Ischemic Models	347

x Contents

The Prophylactic Effects of Chinese Herbal Extract,  'Braintone®', on Stroked Wistar Rats	365
Lishan Low, Wanhui Wong, Wei Duan, Shufeng Zhou, Vincent Chou and Yi Zhun Zhu	
Therapeutic Applications of Ceylon Tea: Potential and Trends	377
Effects of Green and Black Tea on Glucose Tolerance, Serum Insulin and Antioxidant Enzyme Levels in Streptozotocin-Induced Diabetes Rats	418
Chua Yong Ruan Ray, Hsu A and Tan K H Benny St John's Wort: A Precious Gift from the Saints?  Ying-Hui Li, Hongyan Du, Boon-Huat Bay and Malini Olivo	428
From Medicine Man to Market: A Look at Natural Products and the Pharmaceutical Industries	439
Index of Contributors	452