

# Contents

<b>1</b>	<b>The Pursuit of Potent Anti-influenza Activity from the Antarctic Red Marine Alga <i>Gigartina skottsbergii</i></b>	<b>1</b>
	J. Alan Maschek, Cynthia J. Bucher, Alberto van Olphen, Charles D. Amsler, James B. McClintock, and Bill J. Baker	
<b>2</b>	<b>Ginsenosides: Phytoanticipins or Host Recognition Factors?</b>	<b>13</b>
	Mark A. Bernards, Dimitre A. Ivanov, M. Andreea Neculai, and Robert W. Nicol	
<b>3</b>	<b>Fractionation of Grape Seed Proanthocyanidins for Bioactivity Assessment</b>	<b>33</b>
	Vaishali Sharma, Chungfen Zhang, Giulio M. Pasinetti, and Richard A. Dixon	
<b>4</b>	<b>Coloring Soybeans with Anthocyanins?</b>	<b>47</b>
	Nikola Kovicich, John T. Arnason, Vincenzo De Luca, and Brian Miki	
<b>5</b>	<b>Pharmacogenetics in Potential Herb–Drug Interactions: Effects of Ginseng on CYP3A4 and CYP2C9 Allelic Variants</b>	<b>59</b>
	Alice Luu, Brian C. Foster, Kristina L. McIntyre, Teresa W. Tam, and John T. Arnason	
<b>6</b>	<b>Biosynthesis and Function of Citrus Glycosylated Flavonoids</b>	<b>67</b>
	Daniel K. Owens and Cecilia A. McIntosh	
<b>7</b>	<b>Ginsenoside Variation Within and Between Ontario Ginseng Landraces: Relating Phytochemistry to Biological Activity</b>	<b>97</b>
	Kristina L. McIntyre, Alice Luu, Cathy Sun, Dan Brown, E.M.K. Lui, and John T. Arnason	
<b>8</b>	<b>Heat, Color, and Flavor Compounds in <i>Capsicum</i> Fruit</b>	<b>109</b>
	Ivette Guzman, Paul W. Bosland, and Mary A. O’Connell	

<b>9</b>	<b>Fungal Attack and Cruciferous Defenses: Tricking Plant Pathogens . . . . .</b>	<b>127</b>
	M. Soledade C. Pedras	
<b>10</b>	<b>Glucosinolate Degradation Products in Fermented Meadowfoam Seed Meal and Their Herbicidal Activities . . . . .</b>	<b>141</b>
	Jan F. Stevens and Ralph L. Reed	
<b>11</b>	<b>Elucidating the Metabolism of Plant Terpene Volatiles: Alternative Tools for Engineering Plant Defenses? . . . . .</b>	<b>159</b>
	Dorothea Tholl and Sungbeom Lee	
<b>12</b>	<b>Stereoselectivity of the Biosynthesis of Norlignans and Related Compounds . . . . .</b>	<b>179</b>
	Toshiaki Umezawa, Masaomi Yamamura, Tomoyuki Nakatsubo, Shiro Suzuki, and Takefumi Hattori	
	<b>Index . . . . .</b>	<b>199</b>

The Biological Activity of Phytochemicals

Gang, D. (Ed.)

2011, XIV, 214 p., Hardcover

ISBN: 978-1-4419-6961-3