

# Contents

Foreword by Atta-ur-Rahman .....	ix
Foreword by Derek J. McPhee.....	xi
Foreword by Cornelis J. Van der Schyf.....	xiii
Preface.....	xv
About the Author.....	xvii

<b>CHAPTER 1 Alkaloids .....</b>	<b>1</b>
Introduction .....	1
<b>Topic 1.1 Amide, Piperine, and Pyridine Alkaloids .....</b>	<b>3</b>
1.1.1 <i>Polyalthia suberosa</i> (Roxb.) Thwaites.....	3
1.1.2 <i>Piper kadsura</i> (Choisy) Ohwi .....	7
1.1.3 <i>Sophora flavescens</i> Aiton .....	12
References .....	24
<b>Topic 1.2 Indole Alkaloids .....</b>	<b>32</b>
1.2.1 <i>Scorodocarpus borneensis</i> (Baill.) Becc. ....	32
1.2.2 <i>Peganum nigellastrum</i> Bunge.....	38
1.2.3 <i>Tetradium daniellii</i> (Benn.) T.G. Hartley .....	41
1.2.4 <i>Cryptolepis sinensis</i> (Lour.) Merr. ....	44
1.2.5 <i>Clausena lansium</i> (Lour.) Skeels.....	46
1.2.6 <i>Melodinus fusiformis</i> Champ. ex Benth. ....	55
References .....	81
<b>Topic 1.3 Isoquinoline Alkaloids .....</b>	<b>93</b>
1.3.1 <i>Phellodendron amurense</i> Rupr. ....	93
1.3.2 <i>Macleaya cordata</i> (Willd.) R. Br.....	103
1.3.3 <i>Nandina domestica</i> Thunb.....	106
1.3.4 <i>Stephania tetrandra</i> S. Moore .....	110
1.3.5 <i>Corydalis stricta</i> Stephan ex Fisch. ....	112
1.3.6 <i>Sinomenium acutum</i> (Thunb.) Rehder & E.H. Wilson .....	116
1.3.7 <i>Crinum latifolium</i> L. .....	119
1.3.8 <i>Saururus chinensis</i> (Lour.) Baill. ....	123
1.3.9 <i>Dictamnus dasycarpus</i> Turcz. ....	127
References .....	138

<b>Topic 1.4</b>	<b>Terpene Alkaloids .....</b>	<b>152</b>
1.4.1	<i>Dendrobium catenatum</i> Lindl. ....	152
1.4.2	<i>Aconitum kongboense</i> Lauener.....	159
1.4.3	<i>Cynanchum wilfordii</i> (Maxim.) Maxim. ex Hook. f. ....	164
	References .....	184
<b>CHAPTER 2 Terpenes.....</b>		<b>189</b>
	Introduction .....	189
<b>Topic 2.1</b>	<b>MonoterpeneS.....</b>	<b>190</b>
2.1.1	<i>Monarda didyma</i> L. ....	190
	References .....	200
<b>Topic 2.2</b>	<b>Sesquiterpenes.....</b>	<b>205</b>
2.2.1	<i>Illicium jiadifengpi</i> B.N. Chang .....	205
	References .....	221
<b>Topic 2.3</b>	<b>Diterpenes .....</b>	<b>226</b>
2.3.1	<i>Ajuga ciliata</i> Bunge.....	226
	References .....	252
<b>Topic 2.4</b>	<b>Triterpenes.....</b>	<b>258</b>
2.4.1	<i>Boswellia serrata</i> Roxb. ex Colebr. ....	258
	References .....	280
<b>CHAPTER 3 Phenolics.....</b>		<b>285</b>
	Introduction .....	285
<b>Topic 3.1</b>	<b>Benzopyrones.....</b>	<b>287</b>
3.1.1	<i>Astragalus mongolicus</i> Bunge.....	287
3.1.2	<i>Citrus trifoliata</i> L. ....	302
3.1.3	<i>Polygala caudata</i> Rehder & E.H. Wilson.....	313
	References .....	322
<b>Topic 3.2</b>	<b>Quinones .....</b>	<b>331</b>
3.2.1	<i>Petroselinum crispum</i> (Mill.) Nyman ex A.W. Hill.....	331
3.2.2	<i>Cassia javanica</i> L. ....	339
	References .....	350
<b>Topic 3.3</b>	<b>Lignans.....</b>	<b>354</b>
3.3.1	<i>Machilus thunbergii</i> Sieb. et Zucc.....	354
	References .....	371

Index of Natural Products .....	375
Index of Pharmacological Terms .....	381
Index of Plants .....	387
Subject Index .....	391