

**CONTENTS**

<b>1. INTRODUCTION</b>	<b>1</b>
<b>2. ALKALOIDS – General Considerations</b>	<b>3</b>
2.1 General Characteristics and Properties of Alkaloids	3
2.2 Extraction and Isolation of Alkaloids	13
2.3 Distribution of Alkaloids in Plants	20
2.4 References	23
<b>3. ALKALOIDS OF THE PYRIDINE GROUP</b>	<b>25</b>
3.1 Introduction	25
3.2 Alkaloids of Nicotiana Species	25
3.3 Alkaloids of Areca Nut	33
3.4 References	34
<b>4. ALKALOIDS OF THE TROPANE GROUP</b>	<b>36</b>
4.1 Introduction	36
4.2 The Solanaceous Alkaloids	36
4.3 Alkaloids of <u>Erythroxylon Coca</u>	49
4.4 References	52
<b>5. ALKALOIDS OF THE ISOQUINOLINE GROUP</b>	<b>54</b>
5.1 Introduction	54
5.2 Alkaloids of Opium	54
5.3 Alkaloids of Ipecac	66
5.4 Alkaloids of Curare	68
5.5 References	73
<b>6. ALKALOIDS OF THE QUINOLINE GROUP</b>	<b>75</b>
6.1 Cinchona Alkaloids	75
6.2 References	82
<b>7. ALKALOIDS OF THE QUINOLIZIDINE GROUP</b>	<b>83</b>
7.1 Introduction	83
7.2 Sparteine	83
7.3 References	87

<b>8. ALKALOIDS OF THE INDOLE GROUP</b>	<b>88</b>
8.1 Alkaloids of Ergot	88
8.2 Alkaloids of Rauwolfia	113
8.3 Alkaloids of Nux Vomica	124
8.4 Physostigmine	132
8.5 Vinca Alkaloids	135
8.6 References	143
<b>9. STEROIDAL ALKALOIDS</b>	<b>147</b>
9.1 Introduction	147
9.2 Veratrum Alkaloids	147
9.3 References	157
<b>10. ALKALOIDS OF THE IMIDAZOLE GROUP</b>	<b>159</b>
10.1 Pilocarpus Alkaloids	159
10.2 References	162
<b>11. ALKALOIDS OF THE PHENETHYLAMINE GROUP</b>	<b>163</b>
11.1 Ephedra Alkaloids	163
11.2 Alkaloids of Feyote	167
11.3 References	168
<b>12. ALKALOIDS AMINES OF COLCHICUM</b>	<b>169</b>
12.1 Colchicine	169
12.2 References	176
INDEX	177