

Contents

Contributors	xi
Preface	xv
Acknowledgements	xvii
The Chiang Mai Declaration	xix

Introduction

1 Medicinal Plants: Policies and Priorities <i>O. Akerele</i>	3
2 The Joint IUCN-WWF Plants Conservation Programme and its Interest in Medicinal Plants <i>O. Hamann</i>	13

The Issue of Medicinal Plants

3 Global Importance of Medicinal Plants <i>N.R. Farnsworth and D.D. Soejarto</i>	25
4 Traditional Knowledge of Medicinal Plants — the Search for New Jungle Medicines <i>M.J. Plotkin</i>	53
5 The Reason for Ethnobotanical Conservation <i>R.E. Schultes</i>	65

Science, Industry and Medicinal Plants

6 Valuing the Biodiversity of Medicinal Plants <i>P.P. Principe</i>	79
7 Economic Aspects of Exploitation of Medicinal Plants <i>A. Husain</i>	125
8 Industry and the Conservation of Medicinal Plants <i>A. Bonati</i>	141
9 Information Systems and Databases for the Conservation of Medicinal Plants <i>H. Synge and V. Heywood</i>	147

Techniques to Conserve Medicinal Plants

- 10 Agronomy Applied to Medicinal Plant Conservation
D. Palevitch 167
- 11 Biotechnology in the Production and Conservation
of Medicinal Plants
H.M. Schumacher 179
- 12 Enhancing the Role of Protected Areas in
Conserving Medicinal Plants
J.A. McNeely and J.W. Thorsell 199
- 13 Botanic Gardens and the Conservation of Medicinal Plants
V. Heywood 213
- 14 The Role of Chinese Botanical Gardens in
Conservation of Medicinal Plants
He Shan-an and Cheng Zhong-ming 229

Policies to Conserve Medicinal Plants

- 15 Policies and Organisation for Medicinal Plant
Conservation in Sri Lanka
W.J.M. Lokubandara 241
- 16 Experience in the Conservation of Medicinal
Plants in Sri Lanka
L. de Alwis 249
- 17 The Conservation of Medicinal Plants Used in
Primary Health Care in Thailand
Pricha Desawadi 253
- 18 Medicinal Plants and the Law
C. de Klemm 259
- 19 Let's Stop Talking to Ourselves: The Need for
Public Awareness
P.S. Wachtel 273
- 20 Germplasm, Genetic Erosion and the Conservation
of Indonesian Medicinal Plants
M.A. Rifai and K. Kartawinata 281

Experiences from Programmes to Conserve Medicinal Plants

- 21 Medicinal Plants in India: Approaches to
Exploitation and Conservation
S.K. Alok 295
- 22 The Chinese Approach to Medicinal Plants -
Their Utilization and Conservation
Xiao Pei-gen 305
- 23 Conservation of Medicinal Plants in Kenya
J.O. Kokwaro 315
- 24 Complexity and Conservation of Medicinal Plants:
Anthropological Cases from Peru and Indonesia
C. Padoch, T.C. Jessup, H. Soedjito and K. Kartawinata 321
- 25 Utilization of Indigenous Medicinal Plants and their
Conservation in Bangladesh
A.S. Islam 329
- 26 Development of a Conservation Policy on Commercially
Exploited Medicinal Plants: A Case Study from
Southern Africa
A.B. Cunningham 337
- 27 Proposals for International Collaboration
O. Akerele 359