Foreword, vi

A. Douglas Kinghorn

Foreword, vii
Mark Blumenthal

Preface, x

PART A Fundamentals of Pharmacognosy, 1

SECTION 1 Pharmacognosy and Phytotherapy, 3

- 1 Importance of Plants in Modern Pharmacy and Medicine, 5
- 2 Pharmacognosy and Its History: People, Plants and Natural Products, 7

SECTION 2 Plant Drugs, 17

- 3 General Principles of Botany: Morphology and Systematics, 19
- 4 Plant Families Yielding Important Medicines, 25
- 5 Ethnobotany and Ethnopharmacology, 37

SECTION 3 Natural Products: An Introduction, 45

- 6 Natural Product Chemistry, 47
- 7 Analytical Methods for Natural Products, 75
- 8 Natural Product Isolation and Structure Elucidation, 87
- 9 Natural Products With Anticancer and Chemopreventive Effects, 101
- 10 Antimicrobial Natural Products, 115

SECTION 4 Herbal Medicinal Products, 127

- 11 The Complex Pharmacology of Herbal Medicines, 129
- 12 Production, Quality Control and Standardisation of Herbal Medicines, 133

- 13 Toxicity of Herbal Constituents, 145
- 14 Herbal Medicine Interactions, 149
- 15 Regulation and Pharmacovigilance for Herbal Medicines, 155
- 16 Plants in Traditional Medicine Systems, 159
- 17 Complementary, Alternative and Integrative Plant Therapies, 183

PART B Important Plant Medicines, 189

- 18 The Gastrointestinal and Biliary System, 191
- 19 The Cardiovascular System, 201
- 20 Weight-Loss Supplements, 209
- 21 The Respiratory System, 211
- 22 The Central Nervous System, 219
- 23 The Musculoskeletal System, 227
- 24 Female Hormonal and Reproductive Conditions, 231
- 25 The Male Reproductive System, 237
- 26 Supportive Therapies for Stress, Ageing, Cancer and Debility, 241
- 27 Topical Phytotherapy: Skin, Hair, Eye, Ear, Nose and Throat, 249

ANNEX

Naming Herbal Drugs: Pharmaceutical (Latinised), Common English and Accepted Botanical Names (Binomials) and Synonyms, 255

Index, 261