
Contents

Preface

Chapter 1

Introduction 1
Javier Avalos and Howard I. Maibach

Chapter 2

Botanical Heritage of Dermatology..... 7
Scott A. Norton

SECTION I PHYTODERMATOSES

Chapter 3

Etiology of Adverse Reactions to Plants..... 21
Georges Ducombs

Chapter 4

Diagnosis and Patch Testing of Plant Dermatitis..... 39
John C. Mitchell and Howard I. Maibach

Chapter 5

Prevention of Allergic Contact Dermatitis to Plants..... 45
Hongbo Zhai and Howard I. Maibach

Chapter 6

Phytophotodermatoses 51
Christopher Roland Lovell

SECTION II CLINICAL AND BOTANICAL INVESTIGATIONS

Chapter 7

Phytochemical Procedures 69
Jean-Pierre Lepoittevin

Chapter 8

Botanical Photoallergy 77
Ai-Lean Chew and Howard I. Maibach

**SECTION III PLANT FAMILIES RESPONSIBLE FOR THE MAJORITY
OF DERMATOLOGIC REACTIONS**

Chapter 9

Toxic Anacardiaceae85
Jere D. Guin, John H. Beaman, and Harold Baer

Chapter 10

Araliaceae143
Bjoern M. Hausen

Chapter 11

Asteraceae151
Mario Robles, Jan West, Eloy Rodriguez, and Michael Heinrich

Chapter 12

The Pollen Allergens of the Betulaceae169
Heimo Breiteneder, Jun Wen, and Otto Scheiner

Chapter 13

Hydrophyllaceae187
Manuel Aregullin and Eloy Rodriguez

Chapter 14

Primulaceae201
Lars P. Christensen

Chapter 15

Urticaceae237
Javier Avalos

SECTION IV OTHER PLANT FAMILIES

Chapter 16

Agavaceae253
J. Juan Segura, C. Calzado Flores, and J. Del Valle Cantu

Chapter 17

Algae261
Jose G. Camarasa

Chapter 18

Alstroemeriacae273
Lars P. Christensen, Kell Kristiansen, and Marian Ørgaard

Chapter 19

Aristolochiaceae311
Luisa Pistelli

Chapter 20
Bignoniaceae339
Oluwatoyin A. Binutu and Geoffrey A. Cordell

Chapter 21
Bromeliaceae349
Félix Cordoba Alva, Eduardo Pérez-Campos, and Patricia Magaña

Chapter 22
Lichens365
Marius Rademaker

Chapter 23
Verbenaceae375
Evy Paulsen and Klaus E. Andersen

SECTION V SPECIAL TOPICS

Chapter 24
Allergic Hardwoods389
Bjoern M. Hausen

Chapter 25
Toxicodendron of the Southern Pacific409
Marius Rademaker

Chapter 26
Spices417
Matti Hannuksela and Aila Niinimäki

Index427