

# Contents

---

PREFACE	v
ACKNOWLEDGMENTS	vii
SECTION I – EVOLUTIONARY HISTORY	
1 Podocarp Evolution: A Molecular Phylogenetic Perspective <i>Edward Biffin, John G. Conran, and Andrew J. Lowe</i>	1
2 Dispersal and Paleoecology of Tropical Podocarps <i>Robert J. Morley</i>	21
SECTION II – DISTRIBUTION AND ECOLOGY OF TROPICAL PODOCARPS	
3 Ecology and Distribution of Neotropical Podocarpaceae <i>James W. Dalling, Phoebe Barkan, Peter J. Bellingham, John R. Healey, and Edmund V. J. Tanner</i>	43
4 Ecology and Distribution of the Malesian Podocarps <i>Neal J. Enright and Tanguy Jaffré</i>	57
5 Podocarps in Africa: Temperate Zone Relicts or Rainforest Survivors? <i>Hylton Adie and Michael J. Lawes</i>	79
6 The Ecology of Podocarps in Tropical Montane Forests of Borneo: Distribution, Population Dynamics, and Soil Nutrient Acquisition <i>Kanehiro Kitayama, Shin-ichiro Aiba, Masayuki Ushio, Tatsuyuki Seino, and Yasuto Fujiki</i>	101

### SECTION III – A TEMPERATE PERSPECTIVE

- |   |  |     |
|---|--|-----|
| 7 | Temperate and Tropical Podocarps: How Ecologically Alike Are They?<br><i>David A. Coomes and Peter J. Bellingham</i> | 119 |
| 8 | Ecology of Fire-Tolerant Podocarps in Temperate Australian Forests<br><i>Philip G. Ladd and Neal J. Enright</i>      | 141 |

### SECTION IV – ECOPHYSIOLOGY AND ENVIRONMENT

- |    |   |     |
|----|---|-----|
| 9  | Conifer–Angiosperm Interactions: Physiological Ecology and Life History<br><i>Christopher H. Lusk</i> | 157 |
| 10 | A Functional Analysis of Podocarp Ecology<br><i>Timothy J. Brodribb</i>                               | 165 |
| 11 | Podocarp Roots, Mycorrhizas, and Nodules<br><i>Ian A. Dickie and Robert J. Holdaway</i>               | 175 |

### SECTION V – SYNTHESIS

- |    |   |     |
|----|---|-----|
| 12 | Podocarpaceae in Tropical Forests: A Synthesis<br><i>Lucas A. Cernusak, Hylton Adie, Peter J. Bellingham, Edward Biffin, Timothy J. Brodribb, David A. Coomes, James W. Dalling, Ian A. Dickie, Neal J. Enright, Kanehiro Kitayama, Philip G. Ladd, Hans Lambers, Michael J. Lawes, Christopher H. Lusk, Robert J. Morley, and Benjamin L. Turner</i> | 189 |
|----|---|-----|

SUBJECT INDEX	197
---------------	-----

INDEX OF SCIENTIFIC NAMES	203
---------------------------	-----