

Contents

Preface ix

- 1 The Scope of This Book 1
- 2 Patterns of Regional and Community Diversity 24
- 3 The Resource Base 63
- 4 Pollen and Seed Dispersal and Their Ecological and Genetic Consequences 107
- 5 Macroevolutionary Consequences of Pollen and Seed Dispersal 170
- 6 Phylogeny and Biogeography of These Mutualisms 209
- 7 The Pollination Mutualism 265
- 8 The Frugivory Mutualism 335
- 9 Synthesis and Conclusions about the Ecology and Evolution of Vertebrate-Angiosperm Mutualisms 393
- 10 The Future of Vertebrate-Angiosperm Mutualisms 441

Appendix 1: *Overview of the Major Families of Bird and Mammal Pollinators and Seed Dispersers* 485

Appendix 2: *Overview of the Major Families of Plants containing Species That Are Pollinated or Dispersed by Birds or Mammals* 495

References 507 Species Index 581 Subject Index 585
Plates follow page 169

