Table of contents

- Preface (p. xxii)
- Acknowledgements (p. xxiv)
- 1 Introduction: the Emergence of Applied Climatology and Climate Impact Assessment (p. 1)
- Part 1 Applied Climatology: the 'tools' of Research (p. 11)
- 2 Ground and Remotely Sensed Measurements (p. 13)
- 3 Statistical Considerations (p. 22)
- References (p. 34)
- 4 Climate Models (p. 36)
- 5 Atmospheric Resource Management (p. 51)
- Part 2 Climate and the Physical/ Biological Environments (p. 63)
- 6 Hydrological Processes and Water Resources (p. 65)
- 7 Glaciers (p. 74)
- References (p. 87)
- 8 Geomorphic Processes and Landforms (p. 89)
- 9 Soils (p. 111)
- **10 Vegetation** (p. 123)
- **References** (p. 139)
- **11 Animal Responses to Climate** (p. 141)
- Part 3 Climate and the Cultural Environments (p. 153)
- 12 Comfort, Clothing and Health (p. 155)
- **References** (p. 171)
- 13 Town Planning, Architecture and Building (p. 175)
- 14 Industry and Commerce (p. 187)
- References (p. 197)
- 15 Transport Systems (p. 198)
- References (p. 214)
- 16 Agriculture and Fisheries (p. 215)
- 17 Forestry (p. 228)
- 18 Recreation and Tourism (p. 240)
- 19 Political, Social and Legal Aspects of Climate (p. 249)
- 20 The Energy Sector (p. 256)
- References (p. 269)
- Part 4 The Changing Climatic Environments (p. 271)
- 21 Urban Climates and Global Environmental Change (p. 273)
- References (p. 286)
- 22 Air Pollution (p. 288)
- 23 Climatic Extremes as a Hazard to Humans (p. 304)
- 24 Climate Change, History and the Future (p. 317)
- References (p. 324)
- **Part 5 Overview** (p. 327)
- 25 Conclusions and Synthesis (p. 329)
- References (p. 340)
- **Index** (p. 341)