Contents

List of contributors  page [viii]

Foreword  [xi]

BY BEN BRADSHAW, MP, MINISTER FOR NATURE CONSERVATION AND FISHERIES, UK

Preface  [xv]

Part I  Setting the stage

1 Status of coral reefs of the world: summary of threats and remedial action  [3]
   CLIVE WILKINSON

2 Death and resurrection of Caribbean coral reefs: a palaeoecological perspective  [40]
   WILLIAM F. PRECHT AND RICHARD B. ARONSON

3 A seascape-level perspective of coral reef ecosystems  [78]
   PETER J. MUMBY AND ALASTAIR R. HARBORNE

4 Cold-water coral reefs: status and conservation  [115]
   EMILY CORCORAN AND STEFAN HAIN

Part II  Uses and abuses: ecological and socio-economic issues

5 Challenges and accomplishments towards sustainable reef fisheries  [147]
   TIM McCLANAHAN

6 Live food and non-food fisheries on coral reefs, and their potential management  [183]
   AMANDA C. J. VINCENT
7  Tourism and coral-reef-based conservation: can they coexist?  [237]  
   GUY JOBBINS

8  Longer-term impacts of climate change on coral reefs  [264]  
   CHARLES SHEPPARD

Part III  The way forward: tools and approaches

9  New approaches to estimating recent ecological changes on coral reefs  [293]  
   ISABELLE M. CÔTÉ, TOBY A. GARDNER, JENNIFER A. GILL, DAVID J. HUTCHINSON AND ANDREW R. WATKINSON

10 Assessing the effectiveness of marine protected areas as a tool for improving coral reef management  [314]  
   SUE WELLS

11 Environmental impact assessment for coral reefs: advocating direct protective approaches  [332]  
   JOHN R. TURNER, RICHARD BOAK, REBECCA KLAUS, DEOLALL DABY AND EMILY HARDMAN

12 Time for a third-generation economics-based approach to coral management  [362]  
   JAMES SPURGEON

13 Collaborative and community-based conservation of coral reefs, with reference to marine reserves in the Philippines  [392]  
   ANGEL C. ALCALA, GARRY R. RUSS AND PORTIA NILLOS

14 Education as a tool for coral reef conservation: lessons from marine protected areas  [419]  
   LISA J. BROWNING, R. ANDREW O. FINLAY AND LORNA R. E. FOX

15 Adaptive institutions for coral reef conservation  [455]  
   KATRINA BROWN
16 Coral reef restoration with case studies from Florida  [478]
   WALTER C. JAAP, J. HAROLD HUDSON, RICHARD E. DODGE,
   DAVID GILLIAM AND RICHARD SHAUL

17 Redesigning coral reef conservation  [515]
   CALLUM M. ROBERTS, JOHN D. REYNOLDS, ISABELLE M.
   CÔTÉ AND JULIE P. HAWKINS

18 Coral reef coda: what can we hope for?  [538]
   NANCY KNOWLTON

Index  [550]
   The colour plates are situated between pages 290 and 291