

Contents

List of contributors [xi]

List of abbreviations [xv]

1. The conservation of coastal biodiversity [1]

Julie L. Lockwood and Brooke Maslo

Part I. Biodiversity Status of Coastal Habitats [13]

2. Global patterns of mangrove extinction risk: implications for ecosystem services and biodiversity loss [15]

Beth A. Polidoro, Kent E. Carpenter, Farid Dahdouh-Guebas, Joanna C. Ellison, Nico E. Koedam, and Jean W.H. Yong

3. Open-coast sandy beaches and coastal dunes [37]

Thomas A. Schlacher, Alan R. Jones, Jenifer E. Dugan, Michael A. Weston, Linda Harris, David S. Schoeman, David M. Hubbard, Felicita Scapini, Ronel Nel, Mariano Lastra, Anton McLachlan, and Charles H. Peterson

4. Biodiversity, ecosystem services, and the conservation of seagrass meadows [95]

Richard K.F. Unsworth and Leanne C. Cullen-Unsworth

5. Cascading effects of global oyster reef loss on the health of estuaries [131]

Brooke Maslo

6. Biodiversity status of coastal dune forests in South Africa [161]

Rudi J. van Aarde, Robert A.R. Guldemond, and Pieter I. Olivier

Contents

7. The distribution and conservation of birds of coastal salt marshes [180]
Russell Greenberg, Augusto Cardoni, Bruno J. Ens, Xiaojing Gan, Juan Pablo Isacch, Kees Koffijberg, and Richard Loyn

Part II. Emerging Threats [243]

8. The impacts of invasive species on coastal marine ecosystems [245]
Julie L. Lockwood and Orin J. Robinson
9. Climate change and conservation of waders [265]
Ilya M. D. Maclean
10. The impacts of climate change on marine turtle reproductive success [287]
Lucy A. Hawkes, Annette C. Broderick, Matthew H. Godfrey, Brendan J. Godley, and Matthew J. Witt
11. The effects of spilled oil on coastal ecosystems: lessons from the Exxon Valdez spill [311]
James L. Bodkin, Dan Esler, Stanley D. Rice, Craig O. Matkin, and Brenda E. Ballachey
12. Overexploitation of marine species and its consequences for terrestrial biodiversity along coasts [347]
Lawrence J. Niles, Amanda D. Dey, and Brooke Maslo
- Part III. Synthesis** [369]
13. A research agenda for coastal biodiversity conservation [371]
Julie L. Lockwood and Brooke Maslo

Index [380]

The color plates are to be found between pages 176 and 177.