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	Autore	Siebel, Erich
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	<p>Part I - Tropical and Subtropical Brazilian Coastal Zone -- 1. Brazilian Coastal Zone: Mangroves and Salt Marshes -- 2. Zonation and succession of mangrove and salt marsh ecosystems: typical and associated vegetation species -- Part II - The Mangrove Ecosystem -- 3. Variability of Mangroves along the Brazilian Coast -- 4. Ecophysiological and phenology aspects of mangrove species on the Brazilian coast -- 5. Genetic and epigenetic diversity of mangrove plants: markers of adaptation in a changing environment -- 6. A Review on litterfall in Brazilian mangroves -- Part III - The Salt Marsh Ecosystem -- 7. Brazilian salt marshes -- Part IV - The Mangroves and Salt Marshes Associates -- 8. Microbial diversity and microbial food chain -- 9. Brazilian mangrove and salt marsh macroalgal communities -- 10. Invertebrates: Ecology macro and meiofauna associated with mangroves and marshes Brazilian -- 11. Biodiversity, ecology and socioeconomic importance of brachyuran crabs from Brazilian mangroves and salt marshes -- 12. Fish composition in mangroves and salt marshes along the Brazilian coast -- 13. Birds associated with mangroves and salt marshes in Brazil -- 14. Marine mammals and mangroves and mangroves and salt marshes in Brazil: past, present and potencial scenarios -- Part V - Conservation Strategies -- 15. Historical ecology of mangroves: investigating the past to conserve the future -- 16. Economic valuation as a tool for conservation of the Brazilian marine biodiversity of mangrove and salt marsh ecosystems -- 17. Mangrove protected areas in Brazil: controversies and perspectives -- 18. Contributions of environmental education to mangrove conservation -- 19. Mangrove and salt marsh ecosystems: what to expect from climate changes -- 20. Coastal zone adaptive management -- Index.</p>
Sommario/riassunto	<p>This book offers a new ecosystemic approach to the understanding of mangrove and salt marsh ecosystems. Brazil has one of the largest areas of mangroves in the world, where salt marshes might or might not be associated. Different landscapes comprise the extensive coastline, where mangrove and salt marsh species' composition is discussed through the analysis of physiography, zonation, and succession processes. Both salt marsh and mangrove plants and the associated macroalgae will be characterized in their ecophysiological and phenological aspects, as well as genetic and epigenetic diversity. The chapters on microbial diversity and litterfall expose the well-known importance of these ecosystems as highly productive carbon sinks and pumps. The associated fauna of invertebrates (benthic meio and macrofaunas, especially brachyuran crabs) and vertebrates (fishes, birds, and mammals) are presented in a special section. The conservational approach encompasses issues, such as historical ecology, economic valuation, protected areas, environmental education, climate changes, and adaptive management.</p>