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| Soggetti                | Coasts<br>Geobiology<br>Environmental sciences<br>Hydrogeology<br>Conservation biology<br>Ecology<br>Coastal Sciences<br>Biogeosciences<br>Environmental Science and Engineering<br>Conservation Biology/Ecology  |
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| Livello bibliografico   | Monografia  |
| Nota di bibliografia    | Includes bibliographical references at the end of each chapters and index.  |
| Nota di contenuto       | The Everglades: An overview of alteration and restoration -- Environmental impacts on Mekong and Saigon mangrove -- The use of artificial habitat in wetland mitigation and restoration -- Alteration and Remediation of coastal wetland ecosystems in Danube Delta -- Tropical wetland coastal zones: The case of the Whale Coast region - Bahia - Brazil -- Impact of urbanization on the diversity and structure of mangrove ecosystem of the Wouri River Estuary (Douala Cameroon) -- Initiatives of conservation coastal ecosystems in a fast degradation context of natural resources: A case study of mangroves in Cameroon -- Coastal wetland restoration - concept, methodology and application areas with respect to Indian Coast -- Assessment of oil contamination impact on mangroves: A chemical and biological approach -- |

Estimation of mangrove loss in the Sundarban Coast through the preparation of mangrove degradation checklists with field survey records and geo-spatial analysis for conservation and restoration -- Egyptian Nile delta coastal lagoons alteration and subsequent restoration -- Assessment of anthropogenic threats to bio-resources of Kaliveli Lake 'A Coastal Wetland' -- Restoration projects on the Fraser River estuary in British Columbia, Canada -- Long term impacts of jetty construction on estuary hydraulics and ecologies -- Coastal wetland environmental degradation and water resources management in Bangladesh -- Coastal land use changes and threats for mangrove wetlands at Sungai Mangsalut area in Brunei Darussalam -- Ecological aesthetics of coastal wetlands -- Recent agricultural occupation and environmental regeneration of salt marshes in a climate change scenario: sedimentary record from N. Spain (Bay of Biscay) -- Living shorelines: The promise and challenge of protecting marsh habitat along estuarine shores -- Ecological services of coastal biodiversity of Midnapore (East) coast: Threats, conservation, and ecorestoration.

#### Sommario/riassunto

This book delves into human-induced and natural impacts on coastal wetlands, intended or otherwise, through a series of vignettes that elucidate the environmental insults and efforts at amelioration and remediation. The alteration, and subsequent restoration, of wetland habitats remain key issues among coastal scientists. These topics are introduced through case studies and pilot programs that are designed to better understand the best practices of trying to save what is left of these fragile ecosystems. Local approaches, as well as national and international efforts to restore the functionality of marsh systems are summarily approached and evaluated by their efficacy in producing resilient reclamations in terms of climate-smart habitat conservation. The outlook of this work is global in extent and local by intent. Included here in summarized form are professional opinions of experts in the field that investigate the crux of matter, which proves to be human pressure on coastal wetland environments. Even though conservation and preservation of these delicate environmental systems may be coming at a later date, many multi-pronged approaches show promise through advances in education, litigation, and engineering to achieve sustainable coastal systems. The examples in this book are not only of interest to those working exclusively with coastal wetlands, but to those also working to protect the surrounding coastal areas of all types.