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	Nota di contenuto	1. Pollution Issues in Coastal Lagoons in the Gulf of Mexico -- 2. Environmental Monitoring of Water Quality as a Planning and Management Tool: A Case Study of the Rodrigo de Freitas Lagoon, Rio de Janeiro, Brazil -- 2. Environmental Monitoring of Water Quality as a Planning and Management Tool: A Case Study of the Rodrigo de Freitas Lagoon, Rio de Janeiro, Brazil -- 3. Hypersaline Lagoons from Chile, the Southern Edge of the World -- 4. Morphodynamics in a Tropical Shallow Lagoon: Observation and Inferences of Change -- 5. A GIS-Based Approach for Determining Potential Runoff Coefficient and Runoff Depth for the Indian River Lagoon, Florida, USA -- 6. Autonomous Systems for the Environmental Characterization of Lagoons -- 7. Process-Based Statistical Models Predict Dynamic Estuarine Salinity -- 8. Subtropical Coastal Lagoon from Southern Brazil: Environmental Conditions and Phytobenthic Community Structure -- 9. Lagoons Reefs of Alacranes Reef and Chinchorro Bank: Ocean Reef of Mexican Atlantic.
	Sommario/riassunto	Lagoon Environments Around the World - A Scientific Perspective covers a wide range of topics. Typically bordering between land and sea, lagoons are among the most diversely utilized waterways on the planet. Lagoons are extremely important environments socio-economically, and their usage places ever increasing stress on these very sensitive aquatic regions. The effective management of shallow aquatic environments requires a detailed scientific understanding of

the various contributary natural processes. This has both environmental and economic implications, especially where there is any anthropogenic involvement. This book draws on international scientific research to examine the following lagoon related issues: classification, circulation hydrodynamics, ecosystems, sedimentation, anthropogenic stresses, and response to extreme events. The research was carried out by researchers who specialize in shallow water processes and related issues.