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Nota di contenuto	Chapter1: Ecosystem services of mangroves: An overview -- Chapter2: Mangroves: A shield against storms and wave actions -- Chapter3: Mangroves: A barrier against erosion -- Chapter4: Mangroves: A nutrient retention box -- Chapter5: Mangroves: A sink of heavy metals -- Chapter6: Mangroves: A potential vegetation against sea level rise -- Chapter7: Mangroves: Unique sinks of carbon and nitrogen -- Chapter8: Mangroves: A reservoir of biodiversity -- Chapter9: Mangroves: A source of existing and alternative livelihood -- Chapter10: Mangroves: A natural ecosystem of cultural and religious convergence.

Sommario/riassunto

This is the first comprehensive science-based introductory primer to highlight the unique ecosystem services provided by mangrove forests, and discuss how these services preserve the livelihoods of coastal populations. The book presents three decades of real-time data on Sundarbans and Bhitarkanika mangroves in India measuring carbon and nitrogen sequestration, as well as case studies that demonstrate the utility provided by mangroves for reducing the impact of storms and erosion, providing nutrient retention for complex habitats, and housing a vast reservoir of plant, animal and microbial biodiversity. Also addressed is the function of mangroves as natural ecosystems of cultural convergence, offering the resources and products necessary for thriving coastal communities. The book will be of interest to students, academics and researchers in the fields of oceanography, marine biology, botany, climate science, ecology and environmental geography, as well as consultants and policy makers working in coastal zone management and coastal biodiversity conservation. .
