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Nota di contenuto	Chapter1 Mangroves: A Review on its Functions, Adaptations, and Resilience -- Chapter2 Mangroves: An Organic Carbon Stabilizer -- Chapter3 Mangroves: A Mitigator of Natural Catastrophes -- Chapter4 Climate Change Impacts on Mangroves: Need for Resilience Mechanisms -- Chapter5 Stand structure and species composition in three mangrove forests of Kerala, India -- Chapter6 Mangrove Microbiome Dynamics: Exploring Diversity and Ecological Interactions -- Chapter7 Kingfisher in mangroves: Unveiling ecological insights, values, and conservation concerns.-Chapter8 Mangrove Ecosystem: Navigating the Crossroads of Traditional Fishing, Misguided Conservation, and Large Wading Birds Decline -- Chapter9 Mangroves of Kadamakudy and Vypeen Islands: Guardians of Soil, Shrimp, Birds, and Livelihoods -- Chapter10 Understanding about Mangrove Forest Management in Vietnam -- Chapter11 Study on Biomass of Melaleuca cajuputi Forest in Tra Su Landscape Protection Area -- Chapter12 Unveiling the Strategies to Restore Mangroves.
Sommario/riassunto	Mangroves are among the most productive and diverse ecosystems on Earth, providing a range of ecosystem services that benefit millions of

people and support global sustainability goals. However, mangroves are also highly vulnerable to climate change impacts, such as sea level rise, storms, salinity changes, and erosion, which threaten their survival and functionality. This book aims to provide researchers with the latest scientific knowledge and practical tools to understand, assess, and enhance the adaptation and resilience of mangroves to climate change. It covers topics such as mangrove ecology and distribution, mangrove ecosystem services and valuation, mangrove adaptation and resilience mechanisms and indicators, mangrove restoration and conservation strategies, mangrove governance and policy frameworks, and mangrove modelling and mapping approaches. The book also showcases case studies from different regions of the world, highlighting the challenges and opportunities of mangrove management in a changing world. The book is intended to serve as a valuable reference and resource for researchers, students, practitioners, policymakers, and anyone interested in mangrove science and management.

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