

1. Record Nr.	UNINA9910458130103321
Titolo	Forest canopies [[electronic resource] ] : edited by Margaret D. Lowman, H. Bruce Rinker
Pubbl/distr/stampa	Burlington, MA, : Elsevier Academic Press, c2004
ISBN	1-281-00546-0 9786611005467 0-08-049134-0
Edizione	[2nd ed.]
Descrizione fisica	1 online resource (542 p.)
Collana	Physiological Ecology
Altri autori (Persone)	LowmanMargaret RinkerH. Bruce
Disciplina	574.5/2642 577.3
Soggetti	Forest canopies Forest canopy ecology Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Cover; Copyright Page; Dedication; Contents; Contributors; Foreword; Preface; Introduction; Part I: Structures of Forest Canopies; Introduction; Chapter 1. The Nature of Forest Canopies; Empty Space: Another View of Forest Canopy Structure; Verticality and Habitat Analysis: Macarthur and Wilson's Biogeography Theory Revisited; Chapter 2. Tropical Microclimate Considerations; Chapter 3. Quantifying and Visualizing Canopy Structure in Tall Forests: Methods and a Case Study; Canopy TrekkingZ: A Ground-Independent, Rope-Based Method for Horizontal Movement through Forest Canopies: Roman Chapter 4. Vertical Organization of Canopy BiotaMacaws: Dispersers in a Tropical Habitat; Vertical Stratification among Neotropical Migrants; Chapter 5. Age-Related Development of Canopy Structure and Its Ecological Functions; Measuring Canopy Structure: The Forest Canopy Database Project; Chapter 6. A History of Tree Canopies; The Evolution of Rainforest Animals; The Botanical Ghosts of Evolution; Part II: Organisms in Forest Canopies; Introduction; Chapter 7. What Is Canopy

Biology? A Microbial Perspective; Arboreal Stromatolites: A 210 Million Year Record

Chapter 14. The Biodiversity Question: How Many Species of Terrestrial Arthropods Are There? Insect Zoos as Windows into Forest Canopies;

Chapter 15. Physical Transport, Heterogeneity, and Interactions Involving Canopy Anoles; The Color of Poison: Flamboyant Frogs in the Rainforest Canopy; Chapter 16. Ecology and Conservation of Canopy

Mammals; Body Mass of Gliding Mammals: An Energetic Approach; Vertical Stratification of Small Mammals in Lowland Rainforest of the

Australian Wet Tropics; Orangutans: The Largest Canopy Dwellers; Part III: Ecological Processes in Forest Canopies; Introduction

Chapter 17. Photosynthesis in Forest Canopies Chapter 18. Insect Herbivory in Tropical Forests; Measuring Forest Herbivory Levels Using

Canopy Cranes; Chapter 19. Nutrient Cycling; Chapter 20. Reproductive Biology and Genetics of Tropical Trees from a Canopy Perspective; DNA

Sequences and Orchid Classification; Chapter 21. Decomposition in Forest Canopies; Chapter 22. Survival Strategies: A Matter of Life and

Death; Part IV: Conservation and Forest Canopies; Introduction; Chapter 23. Tarzan or Jane? A Short History of Canopy Biology; Canopy

Walkways: Highways in the Sky International Canopy Crane Network

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### Sommario/riassunto

The treetops of the world's forests are where discovery and opportunity abound, however they have been relatively inaccessible until recently. This book represents an authoritative synthesis of data, anecdotes, case studies, observations, and recommendations from researchers and educators who have risked life and limb in their advocacy of the High Frontier. With innovative rope techniques, cranes, walkways, dirigibles, and towers, they finally gained access to the rich biodiversity that lives far above the forest floor and the emerging science of canopy ecology. In this new edition of Fo

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