

Get Free A Neotropical Companion An Introduction To The Animals Plants And Ecosystems Of The New World Tropics

# **A Neotropical Companion An Introduction To The Animals Plants And Ecosystems Of The New World Tropics**

At once a major resource for historians of science and an excellent introduction to natural history for the general reader, David Allen's *The Naturalist in Britain* established a precedent for investigating natural history as a social phenomenon. Here the author traces the evolution of natural history from the seventeenth to the early twentieth centuries, from the "herbalizings" of apprentice apothecaries to the establishment of national reserves and international societies to the emergence of natural history as an organized discipline. Along the way he describes the role of scientific ideas, popular fashion, religious motivations, literary influences, the increase of leisure time and disposable income, and the tendency of like-minded persons to form clubs. His comprehensive and entertaining discussion creates a vibrant portrait of a scientific movement inextricably woven into a particular culture.

More often than not, when people think of a neotropical forest, what comes to mind is a rain forest, rather than a dry forest. Just as typically, when they imagine a savanna, they visualize the African plains, rather than those dry woodlands and grasslands found in the Neotropics. These same preconceptions can be found among scientists, as these ne

Describing all of Colombia's birds, Steven Hilty and William Brown bring together information on one of the world's largest avifaunas-nearly 1,700 species. Over half of all the species of birds in South America are included, thus making the book useful in regions adjacent to Colombia, as well as in the

# Get Free A Neotropical Companion An Introduction To The Animals Plants And Ecosystems Of The New World Tropics

country itself. The primary purpose of the work is to enable observers to identify the birds of the region, but it also provides detailed species accounts and will serve as an important handbook and reference volume. Fifty-six lavish color plates, thirteen halftone plates, and ninety-nine line drawings in the text illustrate over 85% of the species, including most of the resident birds. Notes on the facing-page of each place, and range maps of 1,475 species, facilitate identification. Written with the field observer in mind, the text gives special attention to comparisons of similar species, transcriptions of voices, and comments on behavior, status, and habitat. It also provides ranges, breeding data, and references. Notes outline taxonomic problems and briefly describe species that eventually may be found in Colombia. Introductory chapters and photographs highlight Colombia's geography, climate, and vegetation, and discuss migration and conservation questions, and the history of Colombian ornithology. Appendices contain a large bibliography, a section on birding locations, and coverage of two of Colombia's far-flung island territories, Isla San Andr s and Providencia. Maps depicting vegetation zones, political boundaries, national parks, and the most text localities are included.

The acclaimed guide to the ecology and natural history of the American tropics—now fully updated and expanded The New Neotropical Companion is the completely revised and expanded edition of a book that has helped thousands of people to understand the complex ecology and natural history of the most species-rich area on Earth, the American tropics. Featuring stunning color photos throughout, it is a sweeping and cutting-edge account of tropical ecology that includes not only tropical rain forests but also other ecosystems such as cloud forests, rivers, savannas, and mountains. This is the only guide to the American tropics that is all-inclusive,

# Get Free A Neotropical Companion An Introduction To The Animals Plants And Ecosystems Of The New World Tropics

encompassing the entire region's ecology and the amazing relationships among species rather than focusing just on species identification. The New Neotropical Companion is a book unlike any other. Here, you will learn how to recognize distinctive ecological patterns of rain forests and other habitats and to interpret how these remarkable ecosystems function—everything is explained in clear and engaging prose free of jargon. You will also be introduced to the region's astonishing plant and animal life. Informative and entertaining, The New Neotropical Companion is a pleasurable escape for armchair naturalists, and visitors to the American tropics will want to refer to this book before, during, and after their trip. Covers all of tropical America Describes the species and habitats most likely to be observed by visitors Includes every major ecosystem, from lowland rain forests to the high Andes Features a wealth of color photos of habitats, plants, and animals

This unparalleled wealth of finely detailed ecological information on Neotropical bird communities will prove invaluable to all Neotropical wildlife managers, conservation biologists, and serious birders.

Winner in the Scholarly Reference section of the 2004 Australian Awards for Excellence in Educational Publishing. Introduced Mammals of the World provides a concise and extensive source of information on the range of introductions of mammals conducted by humans, and an indication as to which have resulted in adverse outcomes. It provides a very valuable tool by which scientists can assess future potential introductions (or re-introductions) to avoid costly mistakes. It also provides tangible proof of the need for political decision makers to consider good advice and make wise and cautious decisions. Introduced Mammals of the World also provides a comprehensive reference to students of ecological systems management and biological conservation. This book is a

## Get Free A Neotropical Companion An Introduction To The Animals Plants And Ecosystems Of The New World Tropics

companion volume to *Introduced Birds of the World*, by the same author, published in 1981, and which remains the premier text of its kind in the world more than twenty years after it was published. *Introduced Mammals of the World* provides the most comprehensive account of the movement of mammals around the world providing details on the date(s) of introduction, the person/agency responsible, the source populations, the location(s) of release, the fate of the introductions, and the impact if known, for over 300 species of mammal.

Natural history narratives for more than 375 species of mammals, birds, reptiles, and amphibians found in Virginia and Maryland.

Sponsored by The National Wildlife Federation and The National Audubon Society, this is the first coloring book designed especially to teach forest ecology. Features all the common species of North America, shown in line drawings and in color for reference purposes, clear descriptions, and realistic scenes of natural habitats.

*Foundations of Tropical Forest Biology* presents a timely collection of pioneering work in the study of these diverse and fascinating ecosystems. Modeled on the highly successful *Foundations of Ecology*, this book consists of facsimiles of papers chosen by world experts in tropical biology as the "classics" in the field. The papers are organized into sections on related topics, each introduced with a discussion of their role in triggering subsequent research. Topics covered include ecological and evolutionary perspectives on the origins of tropical diversity; plant-animal interactions; patterns of species diversity and distribution of arthropods, vertebrates, and plants; forest dynamics and ecosystem

# Get Free A Neotropical Companion An Introduction To The Animals Plants And Ecosystems Of The New World Tropics

ecology; conservation biology; and tropical forest management. *Foundations of Tropical Forest Biology* makes essential works in the development of tropical biology available in a convenient form to both senior scholars interested in the roots of their discipline and to students encountering the field for the first time, as well as to everyone concerned with tropical conservation. This book presents some of the most recent tools, methods and concepts in historical ecology. It introduces students and researchers to state-of-the-art techniques and showcases a wide array of methods dedicated to understanding the history of tropical landscapes. The chapters cover the detection and characterisation of archaeological features, living organisms as witnesses of past human activities, ethnoecological knowledge of ancient anthropogenic landscapes and societal impacts of historical ecology. Whilst mainly based on Amazonian experiences, the contributions aim to strengthen synergies between disciplines and to propose solutions that can be applied elsewhere in the field.

This volume is a synthesis of existing knowledge about the flora and fauna of Costa Rica. The major portion of the book consists of detailed accounts of agricultural species, vegetation, amphibians, reptiles, mammals, birds, and insects. "This is an extraordinary, virtually unique work. . . . The tremendous amount of original, previously unpublished, firsthand information is remarkable."—Peter H. Raven, Director, Missouri Botanical Garden "An essential resource for anyone interested in tropical biology. . . . It can be used both as an encyclopedia—a source of facts on specific

# Get Free A Neotropical Companion An Introduction To The Animals Plants And Ecosystems Of The New World Tropics

organisms—and as a source of ideas and generalizations about tropical ecology."—Alan P. Smith, *Ecology A Neotropical Companion* An Introduction to the Animals, Plants, and Ecosystems of the New World Tropics Princeton University Press

Molt is an important avian life history event in which feathers are shed and replaced. The timing, duration, seasonality, extent and pattern of molt follows certain strategies and this book reviews and describes these strategies for nearly 190 species based on information gathered from a 30-year study of Central Amazonian birds. Most species accounts are illustrated with several color photos focusing on wing and tail feather molt, molt limits, and how to use these patterns to accurately age birds. Published in collaboration with and on behalf of the American Ornithological Society, this volume in the highly-regarded Studies in Avian Biology series is a rich source of life history information for ornithologists working on tropical birds.

From Belize to Brazil, the forests of the American neotropics are home to an astonishing array of birds—over 3,700 different species, or nearly 40 percent of all the birds on earth. Because of this overwhelming abundance, birders come from all over the world to try to catch glimpses of species that can be found nowhere else, such as toucans and antbirds, motmots and manakins, bellbirds and cocks-of-the-rock, and practically all of the planet's hummingbirds. Two such birding enthusiasts are Vera and Bob Thornton, who have spent fifteen years photographing these special and exotic birds in the rainforests of eleven different

## Get Free A Neotropical Companion An Introduction To The Animals Plants And Ecosystems Of The New World Tropics

countries of Central and South America. In this book, you'll find more than a hundred spectacular color photographs they took during their travels, along with a highly entertaining account of their adventures—and misadventures—in chasing these exotic neotropicals. The birds pictured here are among the Thorntons' personal favorites—birds that, in their words, "either dazzled us with their beauty, or charmed us by their behavior, or, in a few cases, simply challenged us by the mystique of their rarity." This latter category includes such elusive and sought-after birds as the Black-crowned Antpitta, the Zigzag Heron, the Rufous-vented Ground-Cuckoo, the Bare-necked Umbrellabird, and the monkey-eating Harpy Eagle. In the accompanying text, Bob Thornton engagingly describes the challenges as well as the magic of negotiating the neotropical rainforests in search of colorful birds to photograph. For those who would like to follow in the Thorntons' footsteps, there are also helpful tips about photographic gear and techniques, preferred places to see the birds, lodging, and guides. For everyone who enjoys excellent nature photography, *Chasing Neotropical Birds* is a must-have volume on the coffee table or in the library.

Seventeen marvelous essays introducing the habitats, ecology, plants, and animals of the Central and South American rainforest. A lively, lucid portrait of the tropics as seen by two uncommonly observant and thoughtful field biologists. Its seventeen marvelous essays introduce the habitats, ecology, plants, and animals of the Central and South American rainforest. Includes a lengthy appendix of practical advice for the tropical

# Get Free A Neotropical Companion An Introduction To The Animals Plants And Ecosystems Of The New World Tropics traveler.

A ground breaking study of primates that live in flooded habitats around the world.

This illustrated introduction to Central American Chironomidae offers extensive photography material, as well as detailed morphological and ecological description of chironomid subfossils found in Central American lake sediments. The book uniquely provides two identification keys: one for living larvae occurring (or potentially being present) in Central America, and one for the recorded subfossil remains using limited morphological characters. Paleolimnological investigations using chironomid remains have undergone a resurgence of interest and this taxonomic guide will aid the thorough analysis of the diversity and distribution of the taxa encountered to date in Central America. Out of the total 64 described genera, the book brings 20 endemic genera and more than half of the presented morphotypes are new, not listed in Brooks et al (2007). Plates are included for each taxon with generic characters, and also provide a key to morphotypes, if present, their specific characters, distribution and ecology. Authored by a (paleo)limnologist and a taxonomist, the guide draws on a thorough taxonomical knowledge of the region's recent chironomid fauna. It uses a paleolimnological approach to transmit this information to morphotypes that can be linked with ecology and used to reconstruct the past development of nature. The book thus helps paleo-workers and taxonomists to learn more about these fascinating tiny insects and, through them, to discover the world around us. Providing a comprehensive reference for aquatic ecologists, palaeolimnologists, students and researchers, the guide will also be of interest to non-academic professionals working on applied research and biomonitoring of lakes. It will be useful

# Get Free A Neotropical Companion An Introduction To The Animals Plants And Ecosystems Of The New World Tropics

for people working with both recent and subfossil material not only in Central America, but in the whole Neotropical region. This full-color illustrated textbook offers the first comprehensive introduction to all major aspects of tropical ecology. It explains why the world's tropical rain forests are so universally rich in species, what factors may contribute to high species richness, how nutrient cycles affect rain forest ecology, and how ecologists investigate the complex interrelationships among flora and fauna. It covers tropical montane ecology, riverine ecosystems, savanna, dry forest--and more. Tropical Ecology begins with a historical overview followed by a sweeping discussion of biogeography and evolution, and then introduces students to the unique and complex structure of tropical rain forests. Other topics include the processes that influence everything from species richness to rates of photosynthesis: how global climate change may affect rain forest characteristics and function; how fragmentation of ecosystems affects species richness and ecological processes; human ecology in the tropics; biodiversity; and conservation of tropical ecosystems and species. Drawing on real-world examples taken from actual research, Tropical Ecology is the best textbook on the subject for advanced undergraduates and graduate students. Offers the first comprehensive introduction to tropical ecology Describes all the major kinds of tropical terrestrial ecosystems Explains species diversity, evolutionary processes, and coevolutionary interactions Features numerous color illustrations and examples from actual research Covers global warming, deforestation, reforestation, fragmentation, and conservation The essential textbook for advanced undergraduates and graduate students Suitable for courses with a field component Leading universities that have adopted this book include: Biola University Bucknell University California State University, Fullerton Colorado State

# Get Free A Neotropical Companion An Introduction To The Animals Plants And Ecosystems Of The New World Tropics

University - Fort Collins Francis Marion University Michigan State University Middlebury College Northern Kentucky University Ohio Wesleyan University St. Mary's College of Maryland Syracuse University Tulane University University of California, Santa Cruz University of Central Florida University of Cincinnati University of Florida University of Missouri University of New Mexico University of North Carolina at Chapel Hill University of the West Indies

Applying Properties of Animals Skins to Inspire Architectural Envelopes Biology influences design projects in many ways; the related discipline is known as biomimetics or biomimicry. Using the animal kingdom as a source of inspiration, Ilaria Mazzoleni seeks to instill a shift in thinking about the application of biological principles to design and architecture. She focuses on the analysis of how organisms have adapted to different environments and translates the learned principles into the built environment. To illustrate the methodology, Mazzoleni draws inspiration from the diversity of animal coverings, referred to broadly as skin, and applies them to the design of building envelopes through a series of twelve case studies. Skin is a complex organ that performs a multitude of functions; namely, it serves as a link between the body and the environment. Similarly, building envelopes act as interfaces between their inhabitants and external elements. The resulting architectural designs illustrate an integrative methodology that allows architecture to follow nature. "Ilaria Mazzoleni, in collaboration with biologist Shauna Price, has developed a profound methodology for architectural and design incentives that anticipates and proposes novel ways to explore undiscovered biological inspirations for various audiences." —Yoseph Bar-Cohen

As the worldwide human population explodes and trade becomes increasingly globalized, the transboundary movement of plant species from their place of origin to foreign

# Get Free A Neotropical Companion An Introduction To The Animals Plants And Ecosystems Of The New World Tropics

regions is escalating and expected to experience continued growth in the coming decades. *Invasive Plants and Forest Ecosystems* takes an informed and integrated approach to the current onslaught of invasive species, spotlighting the tremendous challenges they pose for natural resource managers charged with the maintenance of biological diversity and the sustainable production of forest wealth. It addresses the havoc these alien invaders are wrecking on native forest ecosystems and the staggering \$300 billion annually in damage and control costs they incur. An Up-to-Date Synthesis of Invasive Plants, Their Impact, and Control Strategies Examining invasion ecology through both synthesis and original research chapters, this compilation gives a bird's eye view of the ecological impact alien invaders have both in temperate and tropical climates. With internationally recognized contributors, this text explores the socioeconomic and policy aspects of adaptive collaborative management strategies that are crucial to controlling alien invasive plants. This book successfully captures the current state of knowledge surrounding this fast-growing ecological issue, making it an indispensable resource for those committed to the protection of global forestry and natural resources.

This contemporary introduction to the principles and research base of cultural ecology is the ideal textbook for advanced undergraduate and beginning graduate courses that deal with the intersection of humans and the environment in traditional societies. After introducing the basic principles of cultural anthropology, environmental studies, and human biological adaptations to the environment, the book provides a thorough discussion of the history of, and theoretical basis behind, cultural ecology. The bulk of the book outlines the broad economic strategies used by traditional cultures: hunting/gathering, horticulture, pastoralism, and agriculture.

# Get Free A Neotropical Companion An Introduction To The Animals Plants And Ecosystems Of The New World Tropics

Fully explicated with cases, illustrations, and charts on topics as diverse as salmon ceremonies among Northwest Indians, contemporary Maya agriculture, and the sacred groves in southern China, this book gives a global view of these strategies. An important emphasis in this text is on the nature of contemporary ecological issues, how peoples worldwide adapt to them, and what the Western world can learn from their experiences. A perfect text for courses in anthropology, environmental studies, and sociology.

Preface 1: The Rain Forest Setting Robert B. Waide, Douglas P. Reagan. 2: Plants: The Food Base William T. Lawrence, Jr 3: Microorganisms D. Jean Lodge 4: Termites Elizabeth A. McMahan 5: Litter Invertebrates William J. Pfeiffer 6: Arboreal Invertebrates Rosser W. Garrison, Michael R. Willig. 7: Arboreal Arachnids William J. Pfeiffer 8: Amphibians Margaret M. Stewart, Lawrence L. Woolbright. 9: Anoline Lizards Douglas P. Reagan 10: Nonanoline Reptiles Richard Thomas, Ava Gaa Kessler. 11: Birds Robert B. Waide 12: Mammals Michael R. Willig, Michael R. Gannon. 13: The Stream Community Alan P. Covich, William H. McDowell. 14: The Community Food Web: Major Properties and Patterns of Organization Douglas P. Reagan, Gerardo R. Camilo, Robert B. Waide. Glossary Contributors Bibliography Index Copyright © Libri GmbH. All rights reserved.

This is a book for all readers who want to learn about amphibians, the animal group that includes frogs, toads, salamanders, and caecilians. It draws on many years of classroom teaching, laboratory experience, and field observation by the authors. Robert Stebbins and Nathan Cohen lead readers on a fascinating odyssey as they explore some of nature's most interesting creatures, interspersing their own observations throughout the book. A Natural History of Amphibians can serve as a textbook for students and independent learners, as an overview of the field for

# Get Free A Neotropical Companion An Introduction To The Animals Plants And Ecosystems Of The New World Tropics

professional scientists and land managers, and as an engaging introduction for general readers. The class Amphibia contains more than 4,500 known living species. New species are being discovered so rapidly that the number may grow to more than 5,000 during our lifetimes. However, their numbers are being rapidly decimated around the globe, largely due to the encroachment of humans on amphibian habitats and from growing human-caused environmental pollution, discussed at length in the final chapter. The authors focus our attention on the "natural history" of amphibians worldwide and emphasize their interactions with their environments over time: where they live; how they reproduce; how they have been affected by evolutionary processes; what factors will determine their destinies over time. Through the experienced eyes of the authors, who are skilled observers, we come to see and understand the place of amphibians in the natural world around us.

This is the only comprehensive guide to mammals in Central America and southeast Mexico. Unlike most field guides, it covers smaller mammals in depth and also provides an extensive bibliography. In addition to detailed species accounts and range maps for all species, the book has 52 full-color plates. The 49 animal plates cover almost all the species in the region. 4 color maps are new to the second edition, detailing parks, elevations and biomes in the region. *Neotropical Biogeography: Regionalization and Evolution* presents the most comprehensive single-source treatment of the Neotropical region derived from evolutionary biogeographic studies. The book provides a biogeographic regionalization based on distributional patterns of plant and animal taxa, discusses biotic relationships drawn from track and cladistic biogeographic analyses, and identifies cenocrons

## Get Free A Neotropical Companion An Introduction To The Animals Plants And Ecosystems Of The New World Tropics

(subsets of taxa within biotas identified by their common origin and evolutionary history). It includes maps, area cladograms and vegetation profiles. The aim of this reference is to provide a biogeographic regionalization that can be used by graduate students, researchers and other professionals concerned with understanding and describing distributional patterns of plants and animals in the Neotropical region. It covers the 53 biogeographic provinces of the Neotropical region that are classified into the Antillean, Brazilian and Chacoan subregions, and the Mexican and South American transition zones. One of the greatest unmet challenges in conservation biology is the genetic management of fragmented populations of threatened animal and plant species. More than a million small, isolated, population fragments of threatened species are likely suffering inbreeding depression and loss of evolutionary potential, resulting in elevated extinction risks. Although these effects can often be reversed by re-establishing gene flow between population fragments, managers very rarely do this. On the contrary, genetic methods are used mainly to document genetic differentiation among populations, with most studies concluding that genetically differentiated populations should be managed separately, thereby isolating them yet further and dooming many to eventual extinction! Many small population fragments are going extinct principally for genetic reasons. Although the rapidly advancing field of molecular genetics is continually providing new tools to measure the extent of population fragmentation and its genetic consequences, adequate guidance on how to use these data for

# Get Free A Neotropical Companion An Introduction To The Animals Plants And Ecosystems Of The New World Tropics

effective conservation is still lacking. This accessible, authoritative text is aimed at senior undergraduate and graduate students interested in conservation biology, conservation genetics, and wildlife management. It will also be of particular relevance to conservation practitioners and natural resource managers, as well as a broader academic audience of conservation biologists and evolutionary ecologists.

Fancy seeing a majestic Andean condor gliding on the thermals, finding a timid vischacha scampering among rocks or encountering the elusive puma? This lively guide covers the range of Peruvian Andes habitats - from the humid cloud forests and windblown Puna grasslands to the elevated Polylepis woodlands - and the region's most interesting species of flora and fauna. Written by tour leaders for visitors, trekkers and natural-history enthusiasts alike, this compact and beautifully illustrated guide shows you what to find and where to find it. It makes a fantastic souvenir to boot !

Gall midges (Diptera: Cecidomyiidae), though possibly the largest family of flies, are poorly known. Numerous, ubiquitous, and economically important, they have not, in Raymond Gagne's view, received the attention they deserve. Interest is growing, however, as additional species are found to be pests, pollinators, or biological control agents, and as it becomes obvious how common they are.

Habitats of Australasia (Australia, NZ and New Guinea)  
-- Habitats of the Neotropics (Central and South America)  
-- Habitats of the Afrotropics (SSaharan Africa)  
-- Habitats of the Palearctic (Europe, North Asia and

## Get Free A Neotropical Companion An Introduction To The Animals Plants And Ecosystems Of The New World Tropics

North Africa) -- Habitats of the Nearctic (North America).

The idea of a balance of nature has been a dominant part of Western philosophy since before Aristotle, and it persists in the public imagination and even among some ecologists today. In this lively and thought-provoking book, John Kricher demonstrates that nature in fact is not in balance, nor has it ever been at any stage in Earth's history. He explains how and why this notion of a natural world in balance has endured for so long, and he shows why, in these times of extraordinary human influence on the planet's ecosystems, it is critical that we accept and understand that evolution is a fact of life, and that ecology is far more dynamic than we ever imagined. The Balance of Nature traces the fascinating history of the science of ecology and evolutionary biology, from the discipline's early innovators to the advent of Darwin and evolution, to the brilliant and inquisitive scientific minds of today. Blending insights and entertaining stories from his own remarkable life in science, Kricher reveals how evolution is a powerful engine that drives ecological change, how nature is constantly in flux and, in effect, quite naturally out of balance--and how notions to the contrary are misguided and ultimately hazardous to us all. The Balance of Nature forcefully argues that an understanding of the dynamic nature of ecology and evolution is essential to formulating policies of environmental ethics to guide humanity toward a more responsible stewardship of our planet's ecosystems. Widely praised, "A Neotropical Companion" is an extraordinarily readable introduction to the American tropics, the lands of Central and South America, their

## Get Free A Neotropical Companion An Introduction To The Animals Plants And Ecosystems Of The New World Tropics

rainforests and other ecosystems, and the creatures that live there. 177 color illustrations.

"Featuring a good selection of common and/or interesting species, *The Wildlife of Costa Rica* is the most authoritative and most useful general guide to its subject. It will attract every ecotourist visiting Costa Rica. This dream team knows its stuff. and the illustrations are stunning."---Cagan H. Sekercioglu, Stanford University  
The Monteverde Cloud Forest Reserve has captured the attention of biologists, conservationists and ecologists and has been the setting for extensive investigation over the past 30 years. This provides information on this ecosystem and the biota.

Describes the different kinds of forests found in the southwestern United States and identifies and describes the plants and animals found in each habitat

Introduces the names and characteristics of dinosaurs, along with recent discoveries that shed new light on the way dinosaurs may have lived.

In the past 20 years, fish cytogenetics has become an essential tool in fields as diverse as systematics and evolution, conservation, aquaculture and more recently, genomics. This book is organized in four sections (systematics and evolution; biodiversity conservation; stock assessment and aquaculture; genomics) covering the major fields of present fish cytogenetic research. The eighteen contributions from thirteen countries which make up this book, provide a comprehensive picture of the ongoing research around the world. Due to the diversified arrays of themes approached, including speciation and evolution, biodiversity and conservation

# Get Free A Neotropical Companion An Introduction To The Animals Plants And Ecosystems Of The New World Tropics

and genomics, the book is addressed not only to specialists in cytogenetics but to all scientists interested in fish biology.

Identifies birds, mammals, reptiles, insects, trees, and flowers

Coral reefs are among the most biodiverse of ecosystems. Here, Charles Sheppard tells the fascinating story of how and where coral reefs are formed and the variety of marine life they support. He highlights the severe threats they face due to climate change, pollution, and over-exploitation, and the ongoing conservation efforts to save them.

Profiles specific animals and plants found in rain forests between the Tropics of Cancer and Capricorn and examines the role of people in the health of the tropical forests.

Ectomycorrhizal symbiosis plays a major role in biodiversity and stability of ecosystems in tropical forests. It is a research imperative in tropical and neotropical forest ecosystems because they contain ecologically and economically important tree species. This book provides an overview of the knowledge of ECM symbioses in tropical and neotropical ecosystem forests. The contents address diversity and function of ectomycorrhiza associated with forest plants, impacts of ectomycorrhiza on plant diversity and composition, regeneration and dynamics of ecosystems, biomass production in forestry, and adaptation of ectomycorrhiza.

[Copyright: 060d6dfa72575a8397d634ffc8da241d](https://doi.org/10.600d6dfa72575a8397d634ffc8da241d)