Principles Of Conservation Biology Third Edition

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Wild Forests
Biological Systematics
An Introduction to Methods and Models in Ecology, Evolution, and Conservation Biology
Landscape-scale Conservation Planning
A Primer of Conservation Biology
Quantitative Conservation Biology
Applying Landscape Ecology in Biological Conservation
Conservation Biology in Sub-Saharan Africa
Handbook of Bird Biology
Introduction to Conservation Genetics
Wildlife Management and Conservation
Ecosystem Management
Conservation Biology with RAMAS Ecolab
Ex Situ Plant Conservation
Conservation Biology
Drafting a Conservation Blueprint
An Introduction to Conservation Biology
Tropical Conservation Biology
Conservation
Ecology and Evolution of Livebearing Fishes (Poeciliidae)
Stitching the West Back Together
Zoo Conservation Biology
Wetland Ecology
Conservation Biology
Fisheries and Aquaculture
Principles of Ecosystem Stewardship
Conservation Biology
Essentials of Conservation Biology
Evolutionary Conservation Biology
Conservation and the Genomics of Populations
Marine Conservation Biology
Animal Behavior
Concepts of Biology
Conservation Education and Outreach Techniques
Beyond Naturalness
Conservation Biology for All
The Conservation of Plant Biodiversity

Fundamentals of Conservation Biology
Practical Conservation Biology

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TRINITY JORDAN

Principles of Conservation Biology John Wiley & Sons
Selected by Forbes.com as one of the 12 best books about birds and birding in 2016 This much-anticipated third edition of the Handbook of Bird Biology is an essential and comprehensive resource for everyone interested in learning more about birds, from casual bird watchers to formal students of ornithology. Wherever you study birds your enjoyment will be enhanced by a better understanding of the incredible diversity of avian lifestyles. Arising from the renowned Cornell Lab of Ornithology and authored by a team of experts from around the world, the Handbook covers all aspects of avian diversity, behaviour, ecology, evolution, physiology, and conservation. Using examples drawn from birds found in every corner of the globe, it explores and distills the many scientific discoveries that have made birds one of our best known - and best loved - parts of the natural world. This edition has been completely revised and is presented with more than 800 full color images. It provides readers with a tool for life-long learning about birds and is suitable for bird watchers and ornithology students, as well as for ecologists, conservationists, and resource managers who work with birds. The Handbook of Bird Biology is the companion volume to the Cornell Lab's renowned distance learning course, www.birds.cornell.edu/courses/home/homestudy/.
Wild Forests Cambridge University Press
This impressive author team brings the wealth of advances in conservation genetics into the new edition of this introductory text, including new chapters on population genomics and genetic issues in introduced and invasive species. They continue the strong learning features for students - main points in the margin, chapter summaries, vital support with the mathematics, and further reading - and now guide the reader to software and databases. Many new references reflect the expansion of this field. With examples from mammals, birds ...
Biological Systematics Oxford University Press, USA
As anthropogenic environmental changes spread and intensify across the planet, conservation biologists have to analyze dynamics at large spatial and temporal scales. Ecological and evolutionary processes are then closely intertwined. In particular, evolutionary responses to anthropogenic environmental change can be so fast and pronounced that conservation biology can no longer afford to ignore them. To tackle this challenge, areas of conservation biology that are disparate ought to be integrated into a unified framework. Bringing together conservation genetics, demography, and ecology, this book introduces evolutionary conservation biology as an integrative approach to managing species in conjunction with ecological interactions and evolutionary processes. Which characteristics of species and which features of environmental change foster or hinder evolutionary responses in ecological systems? How do such responses affect population viability, community dynamics, and ecosystem functioning? Under which conditions will evolutionary responses ameliorate, rather than worsen, the impact of environmental change?
An Introduction to Methods and Models in Ecology, Evolution, and Conservation Biology Bloomsbury Publishing USA
In the new edition of this highly successful book, Malcolm Hunter and new co-author James Gibbs offer a thorough introduction to the fascinating and important field of conservation biology, focusing on what can be done to maintain biodiversity through management of ecosystems and populations. Starting with a succinct look at conservation and biodiversity, this book progresses to contend with some of the subject's most complex topics, such as mass extinctions, ecosystem degradation, and over exploitation. Discusses social, political, and economic aspects of conservation biology. Thoroughly revised with over six hundred new references and web links to many of the organizations involved in conservation biology, striking photographs and maps. Artwork from the book is available to instructors online at www.blackwellpublishing.com/hunter and by request on CD-ROM.
Landscape-scale Conservation Planning Island Press
Essentials of Conservation Biology has established itself as an engrossing book from which to learn or teach. Combining theory and research and with examples from current literature, the book explain the links between conservation biology and other fields such as ecology, climate change, environmental economics, sustainable development and more.
A Primer of Conservation Biology Cambridge University Press
This text provides a synthesis of the existing field of wetland ecology using a few central themes, including key environmental factors that produce wetland community types and some unifying problems such as assembly rules, restoration and conservation.
Quantitative Conservation Biology Sinauer Associates Incorporated
Provides up-to-date coverage of Conservation Biology, including sustainable development, global warming, and strategies to save species on the verge of extinction.
Applying Landscape Ecology in Biological Conservation Cambridge University Press
This new text combines theory and applied and basic research to explain the connections between conservation biology and ecology, climate change biology, the protection of endangered species, protected area management, environmental economics, and sustainable development. A major themethroughout the book is the active role that scientists, local people, the general public, conservation organizations, and governments can play in protecting biodiversity, even while providing for human needs.
Conservation Biology in Sub-Saharan Africa CSIRO PUBLISHING
The late Navjot Sodhi conceived this book as a way of bringing to the forefront of our conservation planning for the tropics the views of people who were actually working and living there. In its 31 chapters, 55 authors present their views on the conservation problems they face and how they deal with them. Effective long term conservation in the tropics requires the full participation of local people, organizations and governments. The human population of tropical countries is expected to grow by more than 2.5 billion people over the next several decades, with expectations of increased consumption levels growing even more rapidly than population levels; clearly there will be a need for

more trained conservationists and biologists. Significant levels of local involvement are essential to conservation success, with the rights of local people fully recognized, protected and fostered by governmental and international assistance. Overarching conservation plans are necessary, but cannot in themselves lead to success. The individual experiences presented in the pages of this book will provide useful models that may serve to build better and more sustainable lives for the people who live in the tropics and lead to the continued survival of as many species and functioning ecosystems as possible.

Handbook of Bird Biology John Wiley & Sons

This book provides a current synthesis of principles and applications in landscape ecology and conservation biology. Bringing together insights from leaders in landscape ecology and conservation biology, it explains how principles of landscape ecology can help us understand, manage and maintain biodiversity. Gutzwiller also identifies gaps in current knowledge and provides research approaches to fill those voids.

Introduction to Conservation Genetics Oxford University Press

Biological Systematics: Principles and Applications draws equally from examples in botany and zoology to provide a modern account of cladistic principles and techniques. It is a core systematics textbook with a focus on parsimony-based approaches for students and biologists interested in systematics and comparative biology. Randall T. Schuh and Andrew V. Z. Brower cover: -the history and philosophy of systematics and nomenclature; -the mechanics and methods of analysis and evaluation of results; -the practical applications of results and wider relevance within biological classification, biogeography, adaptation and coevolution, biodiversity, and conservation; and -software applications. This new and thoroughly revised edition reflects the exponential growth in the use of DNA sequence data in systematics. New data techniques and a notable increase in the number of examples from molecular systematics will be of interest to students increasingly involved in molecular and genetic work.

Wildlife Management and Conservation JHU Press

Discusses the various options for conserving plants at the level of the gene, species and community.

Ecosystem Management Springer Science & Business Media

This is the ninth volume of ten in the The Natural History of the Crustacea Series. The chapters in this volume synthesize the diverse topics in fisheries and aquaculture. In the first part of the book, chapters explore worldwide crustacean fisheries. This section comes to a conclusion with two chapters on harvested crustaceans that are usually not within the focus of the mainstream fisheries research, possibly because they are caught by local fishing communities in small-scale operations and sold locally as subsistence activity. In the second part of the book, the authors explore the variety of cultured crustacean species, like shrimps, prawns, lobsters, and crabs. Chapters in the third part of the volume focus on important challenges and opportunities, including diseases and parasitism, the use of crustacean as bioindicators, and their role in biotechnology.

Conservation Biology with RAMAS Ecolab

Drafting a Conservation Blueprint lays out for the first time in book form a step-by-step planning process for conserving the biological diversity of entire regions. In an engaging and accessible style, the author explains how to develop a regional conservation plan and offers experience-based guidance that brings together relevant information from the fields of ecology, conservation biology, planning, and policy. Individual chapters outline and discuss the main steps of the planning process, including: • an overview of the planning framework • selecting conservation targets and setting goals • assessing existing conservation areas and filling information gaps • assessing population viability and ecological integrity • selecting and designing a portfolio of conservation areas • assessing threats and setting priorities A concluding section offers advice on turning conservation plans into action, along with specific examples from around the world. The book brings together a wide range of information about conservation planning that is grounded in both a strong scientific foundation and in the realities of implementation.

Ex Situ Plant Conservation Sinauer Associates, Incorporated

Provides the essential framework for under-graduate and post-graduate courses in conservation biology and natural resource management by covering the complete array of topics central to these fields. Lindenmayer from ANU, ACT and Burgman from University of Melbourne, Vic.

Conservation Biology Princeton University Press

A new updated edition of this popular guide to conservation education, concentrating largely on techniques and discussing why, when, and how to develop education materials and implement effective programs.

Drafting a Conservation Blueprint Springer Science & Business Media

This introductory textbook examines diminishing terrestrial and aquatic habitats in the tropics, covering a broad range of topics including the fate of the coral reefs; the impact of agriculture, urbanization, and logging on habitat depletion; and the effects of fire on plants and animal survival. Includes case studies and interviews with prominent conservation scientists to help situate key concepts in a real world context Covers a broad range of topics including: the fate of the coral reefs; the impact of agriculture, urbanization, and logging on habitat depletion; and the effects of fire on plants and animal survival Highlights conservation successes in the region, and emphasizes the need to integrate social issues, such as human hunger, into a tangible conservation plan Documents the current state of the field as it looks for ways to predict future outcomes and lessen human impact “Sodhi et al. have done a masterful job of compiling a great deal of literature from around the tropical realm, and they have laid out the book in a fruitful and straightforward manner...I plan to use it as a reference and as supplemental reading for several courses and I would encourage others to do the same.” Ecology, 90(4), 2009, pp. 1144–1145

An Introduction to Conservation Biology Oxford University Press

An innovative introduction to ecology and evolution This unique textbook introduces undergraduate students to quantitative models and methods in ecology, behavioral ecology, evolutionary biology, and conservation. It explores the core concepts shared by these related fields using tools and practical skills such as experimental design, generating phylogenies, basic statistical inference, and persuasive grant writing. And contributors use examples from their own cutting-edge research, providing diverse views to engage students and broaden their understanding. This is the only textbook on the subject featuring a collaborative "active learning" approach that emphasizes hands-on learning. Every chapter has exercises that enable students to work directly with the material at their own pace and in small groups. Each problem includes data presented in a rich array of formats, which

students use to answer questions that illustrate patterns, principles, and methods. Topics range from Hardy-Weinberg equilibrium and population effective size to optimal foraging and indices of biodiversity. The book also includes a comprehensive glossary. In addition to the editors, the contributors are James Beck, Cawas Behram Engineer, John Gaskin, Luke Harmon, Jon Hess, Jason Kolbe, Kenneth H. Kozak, Robert J. Robertson, Emily Silverman, Beth Sparks-Jackson, and Anton Weisstein. Provides experience with hypothesis testing, experimental design, and scientific reasoning Covers core quantitative models and methods in ecology, behavioral ecology, evolutionary biology, and conservation Turns "discussion sections" into "thinking labs" Professors: A supplementary Instructor's Manual is available for this book. It is restricted to teachers using the text in courses. For information on how to obtain a copy, refer to:

http://press.princeton.edu/class_use/solutions.html

Tropical Conservation Biology Island Press

In the face of ever-declining biodiversity, zoos have a major role to play in species conservation. Written by professionals involved in in situ conservation and restoration projects internationally, this is a critical assessment of the contribution of zoos to species conservation through evidence amassed from a wide range of sources. The first part outlines the biodiversity context within which zoos should operate, introducing the origins and global spread of zoos and exploring animal collection composition. The second part focuses on the basic elements of keeping viable captive animal populations. It considers the consequences of captivity on animals, the genetics of captive populations and the performance of zoos in captive breeding. The final part examines ways in which zoos can make a significant difference to conservation now and in the future. Bridging the gap between pure science and applied conservation, this is an ideal resource for both conservation biologists and zoo professionals.

Conservation Island Press

The goal of this book is to provide practical, intelligible, and intuitive explanations of population modelling to empirical ecologists and conservation biologists. Modelling methods that do not require large amounts of data (typically unavailable for endangered species) are emphasised. As such, the book is appropriate for undergraduate and graduate students interested in quantitative conservation biology, managers charged with preserving endangered species, and, in short, for any conservation biologist or ecologist seeking to better understand the analysis and modelling of population data.

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