

## Read Free Iguanas Biology And Conservation

# Iguanas Biology And Conservation

*Revealing the secrets of reptilian social relationships through original quantitative research, field studies,*

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## Read Free Iguanas Biology And Conservation

*laboratory experiments, and careful analysis of the literature, The Secret Social Lives of Reptiles elevates these fascinating animals to key players in the science of behavioral ecology.*

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*They change color depending on their mood. They possess uniquely adapted hands and feet distinct from other tetrapods. They feature independently movable*

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*eyes. This comprehensive volume delves into these fascinating details and thorough research about one of the most charismatic families of reptiles—Chameleoniae.*

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*Written for professional herpetologists, scholars, researchers, and students, this book takes readers on a voyage across time to discover everything that is known about chameleon*

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*biology: anatomy, physiology, adaptations, ecology, behavior, biogeography, phylogeny, classification, and conservation. A description of the natural history of*

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*chameleons is given, along with the fossil record and typical characteristics of each genus. The state of chameleons in the modern world is also depicted, complete with new*

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*information on the most serious threats to these remarkable reptiles.*

*Outlining more than 1500 statistically significant associations extracted from a data matrix composed of*



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*more than 300 conditions tabulated—to the extent known—for all 6528 species of lizards, Lizards of the World will be the go-to source for the next generation of reptile*

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*ecologists, as well as herpetology students and serious herpetoculturists. Reintroduction of Fish and Wildlife Populations provides a practical step-by-step guide to successfully*

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*planning, implementing, and evaluating the reestablishment of animal populations in former habitats or their introduction in new environments. In each chapter, experts in*

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*reintroduction biology outline a comprehensive synthesis of core concepts, issues, techniques, and perspectives. This manual and reference supports scientists and managers*

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*from fisheries and wildlife professions as they plan reintroductions, initiate releases of individuals, and manage restored populations over time. Covering a broad range of taxonomic groups,*

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*ecosystems, and global regions, this edited volume is an essential guide for academics, students, and professionals in natural resource management.*

*Phylogeny and Conservation*

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*Volume 1: Invertebrates,  
Fishes, Amphibians, Reptiles,  
and Birds*

*Iguanas of the World*

*The Biology and*

*Conservation of the Fijian*

*Crested Iguana Brachylophus*

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*Vitiensis*

*The Conservation Status of  
United States Species  
Implications for Conservation  
Galapagos Giant Tortoises*

Desert lizards have  
gained popularity as



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pets and study animals. Within this book there are specific chapters on simulating desert environments in captivity, feeding, and captive propagation.

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Iguanas are large, primeval-appearing animals that have always attracted considerable attention and scientific study. The 30 species of iguanas are today

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collectively referred to as iguanines, or the subfamily Iguaninae, of the lizard family Iguanidae. This book is the result of a symposium of worldwide

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scientists on the world's iguanas that was held at a joint meeting of the Society of the Study of Amphibians and Reptiles and The Herpetologist's League.

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Over 30 recognized experts submitted their studies of these interesting reptiles, and have published what was once unknown and unpublished information.

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This book was a leader in its time and still serves as a wonderful reference for scientist and student alike.

A richly illustrated nature tour of

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Galápagos—now expanded, thoroughly updated, and with more than 650 color photographs Galápagos is a comprehensive, up-to-date, and profusely illustrated natural

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history of this  
spectacular archipelago.  
Offering much more  
information than  
identification guides,  
the book provides  
detailed accounts and



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more than 650 color photographs of the islands' habitats, marine life, reptiles, birds, mammals, and plants, making the book a virtual nature tour of

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Galápagos. Galápagos experts John Kricher and Kevin Loughlin have thoroughly revised the original text, bringing all the taxonomy up to date and adding a wealth

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of new information.

Individual chapters cover geology, ecology, human history, Darwin's finches and how Darwin came to his theory of natural selection from

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his visit to the islands, Galápagos tortoises, marine and land iguanas, mammals, seabirds, landbirds, marine life, and conservation challenges

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and initiatives. The concluding chapter covers each of the individual islands, including landing sites, unique plant and animal species, and points of

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interest, and serves as a wonderful guide for visitors as they move from island to island or plan a trip to Galápagos. With its combination of rich text

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and splendid photos, Galápagos is essential reading for the ecotraveler and nature enthusiast alike. Now with more than 650 color photographs, showing

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habitats, geology, marine life, and all the commonly encountered reptiles, birds, mammals, and plantsFeatures a detailed island-by-



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island guide, including landing sites and what visitors can expectEssential reading for the ecotraveler and nature enthusiast

This book presents the

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issues surrounding the conservation of wildspecies and ecosystems used by people. It is aimed at final yearundergraduate and master's students

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taking courses in conservation, environmental management, ecological economics and related subjects, as well as conservation professionals,

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including managers, policy-makers and researchers. The structure of the book is ideal for a course in conservation, comprising a theoretical section

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written by the authors,  
and a set of ten  
contributed case studies  
intentionally diverse in  
discipline, geographical  
region and system of  
study. The theoretical

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section provides the knowledgethat is needed to understand the issues, while the case studies canform the basis of seminars. Readers will emerge with

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a clear recognition of the difficulties of limiting the harvesting of biological resources to sustainable levels, and of the boundaries of sustainable use as a

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conservation tool. The authors, an ecologist and an anthropologist, have both worked on the conservation and sustainable use of wildlife for several



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years, including the ivory and rhino horn trades. The first book to examine the issues underlying the sustainable use debate in a fully

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interdisciplinary manner. Both the theoretical section and the case studies approach the issues using methods from economics, ecology, anthropology

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and other fields Designed as a course textbook, combining a theoretical section with invited case studies written by expert practitioners in the field Outlines the

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new direction that conservation biology (and thus conservation biologists) must take if it is to be successful. Natural History, Husbandry, and

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Conservation of West  
Indian Rock Iguanas  
Iguanas

Captive Husbandry and  
Propagation

Spatial and Reproductive  
Biology of the Mona

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Island Iguana

Tigers of the World

The Secret Social Lives  
of Reptiles

Conservation of

Biological Resources

How intelligent are dolphins? Is their

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communication system really as complex as human language? And are they as friendly and peaceful as they are made out to be? The Western world has had an enduring love affair with dolphins since the early 1960s, with fanciful claims of their 'healing powers' and 'super intelligence'. Myths and pseudoscience

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abound on the subject. Justin Gregg weighs up the claims made about dolphin intelligence and separates scientific fact from fiction. He puts our knowledge about dolphin behaviour and intelligence into perspective, with comparisons to scientific studies of other animals, especially the crow family and great apes.



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He gives fascinating accounts of the challenges of testing what an animal with flippers and no facial expressions might be animal behaviour, Gregg challenges many of the widespread beliefs about dolphins, while also inspiring the reader with the remarkable abilities common to many of the less glamorized animals

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around us - such as chickens.

In the modern era, zoos and aquariums fight species extinction, educate communities, and advance learning of animal behaviour. This book features first person stories and scientific reviews to explore ground breaking projects run by these institutions. Large-scale

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conservation initiatives that benefit multiple species are detailed in the first section, including critical habitat protection, evidence-based techniques to grow animal populations and the design of community education projects. The second section documents how zoos use science to improve the health and welfare

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of animals in captivity and make difficult management decisions. The section on saving species includes personal tales of efforts to preserve wild populations through rehabilitation, captive breeding, reintroduction, and public outreach. The concluding section details scientific discoveries about animals that would

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have been impossible without the support of zoos and aquariums. The book is for animal scientists, zoo professionals, educators and researchers worldwide, as well as students of zookeeping and conservation.

Iguanas Biology and Conservation Univ of California Press

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A beautifully illustrated and deeply personal chronicle of De Roy's lifelong connection with these spectacular islands Tui De Roy was a year old in 1955 when her family left Europe, boarding a banana boat bound for the Pacific to lead a different sort of life in Galápagos, one of self-sufficiency and living close to

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nature. She grew up on the islands and returned to them often over the next five decades. Discovering photography at a young age, she has dedicated her life to recording the islands' natural history in infinite detail. *A Lifetime in Galápagos* is De Roy's intimate portrait of one of the most spectacular places on Earth,

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presenting the wildlife and natural wonders of Galápagos as you have never seen them before. Featuring hundreds of breathtaking color photos, this stunning book guides you into labyrinthine mangroves to observe nesting herons, to misty cloud forests to glimpse flycatchers and orchids, high onto erupting



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volcanoes, and into the ocean to swim with hammerhead sharks. De Roy's lens provides up-close encounters with orca and sperm whales, colonies of iguanas, and the giant tortoises of Alcedo Volcano. She paints unforgettable portraits of her childhood in Galápagos—the islands at night under the

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stars of the Milky Way, sea lions at play and on the hunt, the diverse birdlife of Galápagos, and much more. Blending striking images with vivid prose, *A Lifetime in Galápagos* also discusses the threats that global warming and other environmental challenges pose to the archipelago's unique wildlife and fragile

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habitats.

Ecology and Conservation

Biology and Conservation of a Venerable Survivor

Problem-Solving in Conservation Biology and Wildlife Management

Conservation of Caribbean Island

Herpetofaunas Volume 2: Regional

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Accounts of the West Indies

Amphibian Declines

A Collection of Educational Nature  
Bulletins

Are Dolphins Really Smart?

**Conservation Biology for All  
provides cutting-edge but  
basic conservation science**

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to a global readership. A series of authoritative chapters have been written by the top names in conservation biology with the principal aim of disseminating cutting-edge conservation knowledge as

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widely as possible.

Important topics such as balancing conversion and human needs, climate change, conservation planning, designing and analyzing conservation research, ecosystem services,

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endangered species management, extinctions, fire, habitat loss, and invasive species are covered. Numerous textboxes describing additional relevant material or case studies are also included.

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The global biodiversity crisis is now unstoppable; what can be saved in the developing world will require an educated constituency in both the developing and developed world. Habitat loss is



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particularly acute in developing countries, which is of special concern because it tends to be these locations where the greatest species diversity and richest centres of endemism are to be found. Sadly,

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developing world conservation scientists have found it difficult to access an authoritative textbook, which is particularly ironic since it is these countries where the potential benefits of knowledge application are

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greatest. There is now an urgent need to educate the next generation of scientists in developing countries, so that they are in a better position to protect their natural resources.

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The terrestrial organisms of the Galápagos Islands live under conditions unlike those anywhere else. At the edge of a uniquely rich mid-ocean upwelling, their world is also free of mammalian predators and competitors,

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allowing them to live unbothered, exuberant lives. With its giant tortoises, marine iguanas, flightless cormorants, and forests of giant daisies, there's no question that this is a magnificent place. Long

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before people traversed the Earth, evolution endowed native species with adaptations to these special conditions and to perturbations like El Niño events and periodic droughts. As the islands

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have grown ever-more connected with humanity, those same adaptations now make its species vulnerable. Today, the islands are best viewed as one big social-ecological system where the ability of each native

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organism to survive and reproduce is a product of human activity in addition to ecological circumstances. In this book, William H. Durham takes readers on a tour of Galápagos and the organisms that inhabit these



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isolated volcanic islands. Exuberant Life offers a contemporary synthesis of what we know about the evolution of its curiously wonderful organisms, how they are faring in the tumultuous changing world

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around them, and how evolution can guide our efforts today for their conservation. The book highlights the ancestry of a dozen specific organisms in these islands, when and how they made it to the

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Galápagos, as well as how they have changed in the meantime. Durham traces the strengths and weaknesses of each species, arguing that the mismatch between natural challenges of their habitats and the challenges humans

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have recently added is the main task facing conservation efforts today. Such analysis often provides surprises and suggestions not yet considered, like the potential benefits to joint conservation efforts between

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tree finches and tree daisies, or ways in which the peculiar evolved behaviors of Nazca and blue-footed boobies can be used to benefit both species today. In each chapter, a social-ecological systems

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framework is used to highlight links between human impact, including climate change, and species status today, Historically, the Galápagos have played a central role in our understanding of evolution;

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what these islands now offer to teach us about conservation may well prove indispensable for the future of the planet.

A Primer on Reptiles and Amphibians is an innovative educational resource

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designed to forge a connection between the reader and the creeping critters of the world. Turtles, frogs, lizards, salamanders, snakes, and crocodiles; these animals evoke fear and fascination.



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This primer dispels myths and unlocks mysteries surrounding these diverse survivors which have mastered virtually every habitat on Earth.

Tragically, these animals now face pressures of

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unprecedented severity, but there is still time to make a difference if more of us work together. Micha Petty is an international award-winning Master Naturalist and wildlife rehabilitator. This critically-acclaimed

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debut volume is a collection of Micha's interpretive writings, carefully crafted to make learning easy for everyone. These bulletins display his passion for Conservation Through Education while covering

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topics such as living harmoniously with wildlife, physiology, natural history, observation, and conservation. Flip to any page to be instantly introduced to new facets of reptiles, amphibians, the

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perils they face, and how you can join the fight to save them.

Galapagos Giant Tortoises brings together researchers and conservationists to share the most up-to-date knowledge of Galapagos giant

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tortoises. Despite being icons of the world-famous Galapagos Archipelago and the target of more than 50 years of conservation research and management, Galapagos giant tortoise evolution and much of their

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ecology remained unknown until recently. This book documents the history, the pressing conservation issues, and success stories recovering several of the 15 different species of Galapagos tortoises from

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near extinction. The book begins with an overview of the history of the relationship between humans and Galapagos giant tortoises, starting from initial heavy exploitation of tortoises by pirates and



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whalers, and extending to the start of the modern conservation era in the 1960s. The book then shifts to biology, describing Galapagos tortoise evolution, taxonomy, ecology, habitats,

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reproduction, and behavior. Next the decades of conservation efforts and their results are reviewed, including issues of captive breeding, invasive species, introduced diseases, and de-extinction, as well as the

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current status and distribution of every species. The final portion of the book turns to four case studies of restoration, and then looks ahead to the future of all tortoise populations. The latest

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volume in the Biodiversity of the World: Conservation from Genes to Landscape series, Galapagos Giant Tortoises is a valuable resource for researchers and conservationists, as well as students of biology,

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wildlife conservation, and herpetology. Provides a comprehensive overview of the Galapagos giant tortoise species as written and edited by the world's leading experts Presents examples of restoration of

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tortoise populations following the near extinction of many of them Describes conservation strategies to ensure the full recovery of all extant species Explores recent efforts using replacement

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tortoises for extinct  
species to restore island  
ecosystems

A Primer on Reptiles and  
Amphibians

Biology and Conservation

The Conservation Biology of  
Tortoises

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Snakes

Experimental Approaches to  
Conservation Biology

Their Role in Conservation  
and Research

The Biology of Chameleons

***"Much has been discovered  
about iguanas in the last***



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***twenty years. This valuable reference pulls material from scattered sources into one volume. It provides an excellent review of iguana ecology, behavior, evolution, and genetic diversity."—Bill Cooper, Indiana University-***

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***Purdue University "In a most graceful manner, this book combines the most current information on iguanas from several typically disparate fields of study. This volume addresses the need for current information by***

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***conservation biologists and nature enthusiasts with an interest in iguanas."*—Robert Powell, Avila University, Kansas City**

***In the last 50 years the tiger population in Asia has plummeted from 100,000 to***

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***about 5,000. The number of tigers is dangerously low, and the conservation of the world's remaining tigers is of global concern. Now, in this volume, 40 world authorities on tigers from Asia, Europe, and North America have***

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***summarized and identified the management, conservation, and research needs for this endangered species. A new discipline—conservation biology—is emerging and this book is an early contribution. It spans and unites theory,***

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***laboratory, and field studies with management practices of both the wild and captive populations. The book is based on the international symposium held in Minnesota, discusses the tiger's systematics and taxonomy, its***

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***status both in the wild and captivity, reproductive biology, and management and conservation strategies. In addition, an entire section is devoted to a discussion of the white tiger. The tigers of Indonesia, Nepal, Siberia, and***

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***China, as well as captive tigers are discussed. Finally, the information in this book places real numbers on the remaining tiger populations, their habitat that is protected, and probabilities of these populations surviving an***



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***extinction.***

***Rock iguanas of the West Indies are considered to be the most endangered group of lizards in the world. They are a flagship species in the Caribbean and on most islands are the largest native***

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***land animals. Unfortunately, human encroachment and introduced animals have brought this species to the brink of extinction. Cyclura: Natural History, Husbandry, and Conservation of the West Indian Iguanas is the first***

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***book to combine the natural history and captive husbandry of these remarkable reptiles, while at the same time outlining the problems researchers and conservationists are battling to save these beautiful, iconic***

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***animals of the Caribbean islands. Authors Jeffrey Lemm and Allison Alberts have been studying West Indian iguanas for nearly 20 years in the wild and in captivity; their experiences with wild iguanas and their exquisite photos of***

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***these charismatic lizards in the wild make this book a must-have for reptile researchers, academics and enthusiasts, as well as anyone interested in nature and conservation. Includes chapters with contributions by***

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***leading experts on rock iguana taxonomy, nutrition, and diseases Features color photos of all taxa, including habitat and captive shots Provides easily understandable and usable information gleaned from***

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***experience and hands-on  
reptile research***

***Essays discuss commercial  
uses of wildlife, subsistence  
hunting, wildlife farming, and  
the management and  
conservation of neo-tropical  
ecosystems***

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***Invasive Wild Pigs in North America***

***Conservation Biology for All Evolutionary and Mechanistic Perspectives***

***Toxicology of Reptiles***

***The mammal behind the myth Ecology, Impacts, and***



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## ***Management***

### ***Tuatara***

Reflecting what a new generation of conservation biologists is doing and thinking, this vital and far

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ranging second edition explores where conservation biology is heading. It challenges many conventions of conservation biology by exposing certain

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weaknesses of widely accepted principles.

Combining contributions from both the school and the new breed of conservation biologists, this insightful text

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focuses primarily on topics that are integral to the daily activities of conservation biologists. Several chapters address ecosystem restoration

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and biotic invasions as well as the the mechanics of population viability analyses, which are now a routine facet of conservation efforts. A case history

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approach is implemented throughout the book, with the use of practical real-world examples. Furthermore, an in-depth look at quantitative analyses is

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presented, allowing for models and mathematical analyses to pinpoint limitations in existing data and guide research toward those aspects of biology that are most

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likely to be critical to the dynamics of a species or an ecosystem. The basis of evolutionary change, according to Ginenthal, is master genes that



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have been conserved from the time of the Cambrian explosion to the present. By following these master genes and using the fossil record as the true evidence of

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evolution, is it shown why no new phyla have developed since the Cambrian explosion and why the chronology for dating evolution is in serious error. Ginenthal

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then outlines the evolution of the vertebrates from their earliest appearance to the present via saltations that morph and metamorph new

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species at the times of Velikovskian global cataclysms. Throughout the book, Ginenthal elucidates how the master genes operate to do this and also

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presents new evidence connecting this process to physics. Those who read this volume will have an entirely new understanding of evolution and may never

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think about it in the same way.

This set of exercises has been created expressly for students and teachers of conservation biology and

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wildlife management who want to have an impact beyond the classroom.

The book presents a set of 32 exercises that are primarily new and greatly revised versions

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from the book's successful first edition. These exercises span a wide range of conservation issues: genetic analysis, population biology and



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management, taxonomy, ecosystem management, land use planning, the public policy process and more. All exercises discuss how to take what has been learned and

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apply it to practical, real-world issues.

Accompanied by a detailed instructor's manual and a student website with software and support materials,

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the book is ideal for use in the field, lab, or classroom. Also available: Fundamentals of Conservation Biology, 3rd edition (2007) by Malcolm L Hunter Jr and

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James Gibbs, ISBN  
9781405135450 Saving the  
Earth as a Career:  
Advice on Becoming a  
Conservation  
Professional (2007) by  
Malcolm L Hunter Jr,

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David B Lindenmayer and  
Aram JK Calhoun, ISBN  
9781405167611  
Biology, Medicine and  
Surgery of South  
American Wild Animals  
examines the medicine

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and treatment of animals specific to South America. It discusses topics dealing with diseases and biology topics. In addition, the animals studied are

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broken down into family and genus, using both English and Spanish names. The book is liberally illustrated and contains references for further reading as

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well as the contributions of regional experts on the animals covered.

Exuberant Life

Natural History and

Taxon Accounts



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Their Behavior, Ecology,  
and Conservation  
An Evolutionary Approach  
to Conservation in  
Galápagos  
Pacific Conservation  
Biology

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Cyclura

Behavior of Lizards

Toxicology of Reptiles cohesively summarizes much of the cutting-edge research taking place in fields such as reptilian endocrinology, neurophysiology,

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immunology, and ecology. It also addresses conservation needs along with the complications often associated with population studies. The text is easy to synthesize and apply in the evaluation and understanding of

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potential risks to reptiles from environmental contaminants.

This book provides a comprehensive description of the current state of knowledge of reptilian toxicology from the perspective of target organ

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systems. It covers major contaminant classes within each chapter, focusing on those of greatest concern. The authors highlight the most pressing information gaps, and propose priority directions for further

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advancement in the fields of reptilian biology, wildlife and environmental toxicology, conservation, and ecological risk assessment.

Throughout North America, non-native wild pigs have become an

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ecologically and economically destructive invasive species. Though they are regarded as a popular game species by some, provide economic benefits to others, and are even engrained into societal heritage in some

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areas, wild pigs are responsible for an extraordinary amount of damage in both natural and anthropogenic systems throughout North America. As the density and range of wild pig habitat have substantially



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increased over the last several decades, the magnitude and diversity of their negative impacts are not yet fully realized or quantified. With various conflicts continually emerging, wild pig management is difficult

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and expensive to achieve. As a result, wild pigs represent one of the greatest wildlife management challenges North America faces in the 21st century. Invasive Wild Pigs in North America: Ecology, Impacts, and Management

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addresses all aspects of wild pig biology, ecology, damage, and management in a single comprehensive volume. It assimilates and organizes information on the most destructive introduced vertebrate

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species in the United States, establishing a foundation from which managers, researchers, policy makers, and other stakeholders can build upon into the future. The book provides comprehensive coverage of wild

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pig biology and ecology, techniques for management and research, and regional chapters. It is an asset to readers interested in wild pigs, the resources they impact, and how to mitigate those impacts, and

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establishes a vision of the future of wild pigs in North America.

Features: Compiles valuable knowledge for a broad audience including wild pig managers, researchers, adversaries, and enthusiasts from across North

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America Addresses taxonomy, morphology, genetics, physiology, spatial ecology, population dynamics, diseases and parasites, and the naturalized niche of wild pigs  
Includes chapters on damage to

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resources, management, research methods, human dimensions and education, and policy and legislation Contains full color images and case studies of interesting and informative situations being



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created by wild pigs throughout North America Includes a chapter on wild pigs at the wildland–urban interface, a more recent and especially challenging issue

Destruction of habitat due to

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urban sprawl, pollution, and deforestation has caused population declines or even extinction of many of the world's approximately 2,600 snake species. Furthermore, misconceptions about snakes

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have made them among the most persecuted of all animals, despite the fact that less than a quarter of all species are venomous and most species are beneficial because they control rodent pests. It has become

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increasingly urgent, therefore, to develop viable conservation strategies for snakes and to investigate their importance as monitors of ecosystem health and indicators of habitat sustainability. In the first book on

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snakes written with a focus on conservation, editors Stephen J. Mullin and Richard A. Seigel bring together leading herpetologists to review and synthesize the ecology, conservation, and management

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of snakes worldwide. These experts report on advances in current research and summarize the primary literature, presenting the most important concepts and techniques in snake ecology and conservation. The common

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thread of conservation unites the twelve chapters, each of which addresses a major subdiscipline within snake ecology. Applied topics such as methods and modeling and strategies such as captive rearing and translocation

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are also covered. Each chapter provides an essential framework and indicates specific directions for future research, making this a critical reference for anyone interested in vertebrate conservation generally or for



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anyone implementing conservation and management policies concerning snake populations.

By her junior year of high school, Clarice knows that her sensitivity to animals makes her different

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from other kids—and not necessarily in a good way. She hasn't gotten her driver's license because she worries about hitting frogs and turtles in the road. She causes a scene in biology class when the teacher is

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about to cut open a living frog. Even little kids can draw her wrath: she reacts swiftly and angrily when a playmate of her autistic brother, Joe, casually tears Joe's pet millipede in two. Then her school counselor

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suggests that Clarice do volunteer work for wildlife conservation over the summer. Online, she discovers BIRP, the Blue Iguana Recovery Program, and a few weeks later she is on her way to Grand Cayman Island

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to join field biologists and volunteers at an iguana preserve. When catastrophe strikes, Clarice is forced to come to terms with cruelty beyond her worst imaginings—and finds a place for herself in the effort to

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protect an extraordinary, and extraordinarily vulnerable, species.

Desert Lizards

A Lifetime in Galápagos

For the Coming Decade

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Reintroduction of Fish and  
Wildlife Populations

A Journal Devoted to

Conservation and Land

Management in the Pacific

Region

Biology and Conservation of the

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## First Panda

Key features: Presents a contemporary snapshot of the mechanisms underlying the evolution and adaptation of behavior Explores how genetics, epigenetics, development, and



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environment shape behavior  
Discusses a broad range of behavioral repertoires and responses, including those related to thermoregulatory, foraging, predatory, displaying, social and escape strategies.

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Examines physiological and sensory mechanisms Covers the effects of various aspects of global change on behavior, with chapters that focus on the impacts of climate change on hydroregulatory behavior and

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behavioral responses to the effects of habitat alteration resulting from human-mediated change and colonization by invasive species. Lizards serve as focal organisms for many of biological questions related to

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evolution, ecology, physiology, and morphology. They are studied at multiple spatial and temporal scales, from the individual to the community level. This book, authored by expert contributors from around the world, explores

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behaviors underlying the evolution and adaptation of these organisms. It covers conceptual, empirical, and methodological approaches to the understanding of the role that natural and sexual selection play in molding the

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behavioral traits of lizards. This thorough, illustrated reference should stimulate discussion of the conceptual and methodological approaches for studying the behavioral traits of these fascinating and highly diverse

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vertebrates.

A volume of essays describing lab and field experiments that improve our understanding or ability to resolve issues surrounding endangered species and invasive plants and animals.

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Phylogeny is a potentially powerful tool for conserving biodiversity. This book explores how it can be used to tackle questions of great practical importance and urgency for conservation. Using case studies



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from many different taxa and regions of the world, the volume evaluates how useful phylogeny is in understanding the processes that have generated today's diversity and the processes that now threaten it. The urgency with

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which conservation decisions have to be made as well as the need for the best possible decisions make this volume of great value to researchers, practitioners and policy-makers. The Fijian crested iguana,

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Brachylophus vitiensis, is an iconic animal for conservation in the South Pacific. Its striking appearance, Critically Endangered listing and disjunct range compared to other iguanids render it of particular interest to

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both conservation biologists and biogeographers. Yet data on the biology and ecology of crested iguanas in their tropical dry forest habitat remains scant. In Fiji, both tropical dry forests and the endemic crested iguanas are

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threatened on a national level by anthropogenic factors. In this thesis I shed light on reproduction and spatial ecology of the sole sustainable population of Fijian crested iguanas, on the Yadua Taba Island sanctuary with the

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ultimate aim of informing long-term conservation planning for this species.

The Biology, Biopolitics, Management, and Conservation of an Endangered Species  
Blue Iguana

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Age and Sex Differences,  
Reproduction, and Conservation  
of Iguana Iguana  
Conservation Biology  
Galápagos  
A Natural History Second Edition  
Darwin and Velikovsky :

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Cataclysmic Metamorphic  
Evolution a Materialist Theory of  
Evolution Based on New  
Principles and Evidence

***Red Panda: Biology and  
Conservation of the First  
Panda provides a broad-***

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***based overview of the biology of the red panda, Ailurus fulgens. A carnivore that feeds almost entirely on vegetable material and is colored chestnut red, chocolate brown and cream***

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***rather than the expected black and white. This book gathers all the information that is available on the red panda both from the field and captivity as well as from cultural aspects, and***

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***attempts to answer that most fundamental of questions, "What is a red panda?" Scientists have long focused on the red panda's controversial taxonomy. Is it in fact an Old World***

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***procyonid, a very strange bear or simply a panda? All of these hypotheses are addressed in an attempt to classify a unique species and provide an in-depth look at the scientific and***

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***conservation-based issues urgently facing the red panda today. Red Panda not only presents an overview of the current state of our knowledge about this intriguing species but it is***

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***also intended to bring the red panda out of obscurity and into the spotlight of public attention. Wide-ranging account of the red panda (Ailurus fulgens) covers all the information***

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***that is available on this species both in and ex situ Discusses the status of the species in the wild, examines how human activities impact on their habitat, and develops projections to***

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***translate this in terms of overall panda numbers  
Reports on status in the wild, looks at conservation issues and considers the future of this unique species  
Includes contributions from***



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***long-standing red panda experts as well as those specializing in fields involving cutting-edge red panda research.***

***Documents in comprehensive detail a***

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***major environmental crisis: rapidly declining amphibian populations and the disturbing developmental problems that are increasingly prevalent within many amphibian species.***

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***"This is the first detailed monograph for decades about this enigmatic reptile, and the first to be illustrated in colour throughout. The evolution, natural history and conservation of tutara***

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***are covered in comprehensive detail ..."*** --  
***Back cover.***

***Most of the islands of the Caribbean have long histories of herpetological exploration and discovery,***

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***and even longer histories of human-mediated environmental degradation. Collectively, they constitute a major biodiversity hotspot - a region rich in endemic species that are threatened***

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***with extinction. This two-volume series documents the existing status of herpetofaunas (including sea turtles) of the Caribbean, and highlights conservation needs and***

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***efforts. Previous contributions to West Indian herpetology have focused on taxonomy, ecology and evolution, particularly of lizards. This series provides a unique and timely review***

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***of the status and conservation of all groups of amphibians and reptiles in the region. This volume provides regional accounts of the islands of the West Indies biogeographic region.***



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***Neotropical Wildlife Use and Conservation***

***Lizards of the World***

***Wild and Exotic Animal***

***Ophthalmology***

***Red Panda***

***Biology, Medicine, and***

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***Surgery of South American  
Wild Animals  
Scientific Foundations of  
Zoos and Aquariums***