



Student Conference on
Conservation Science
New York
SCCS-NY

November 3-5, 2010

American Museum of Natural History
Center for Biodiversity and Conservation

STUDENT CONFERENCE ON CONSERVATION SCIENCE
NEW YORK (SCCS-NY)
NOVEMBER 3-5, 2010
AMERICAN MUSEUM OF NATURAL HISTORY

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Full abstracts and links are available on the SCCS-NY website:
<http://symposia.cbc.amnh.org/sccsny/>



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The Student Conference on Conservation Science – New York (SCCS-NY) is sponsored by the American Museum of Natural History's Center for Biodiversity and Conservation in collaboration with the University of Cambridge; Yale School of Forestry and Environmental Studies; the Wildlife Conservation Society; Columbia University's Earth Institute; Princeton University; AMNH Richard Gilder Graduate School; Fordham University- Graduate School of Arts and Sciences; National Geographic Society; American Association for the Advancement of Science; The Nature Conservancy; Duke University's Nicholas School of the Environment; EcoHealth Alliance (formerly Wildlife Trust); Bard Center for Environmental Policy; Cornell University's Laboratory of Ornithology; Columbia University's Department of Ecology, Evolution and Environmental Biology; State University of New York College of Environmental Science and Forestry; State University of New York Stony Brook; City University of New York; New York Botanical Garden; Rutgers University; George Mason University; and Applied Biomathematics, Inc.

The Student Conference on Conservation Science (SCCS) is the only international conference designed for graduate students, post-doctoral fellows, and early-career professionals pursuing or considering the field of conservation science. Interactions with established conservationists will encourage collaborations, further research, and launch lasting networks.

SCCS-New York is a sister conference to the highly successful SCCS-Cambridge, which was begun in 2000 by the University of Cambridge in Great Britain. SCCS-Cambridge is currently organizing its twelfth annual meeting, to be held in March 2011. Another SCCS offshoot was hosted earlier this year in Bangalore, India.

In conjunction with SCCS-NY, the American Museum of Natural History is proud to host the Mack Lipkin Man and Nature Lecture Series, which was established in honor of the late physician, Dr. Mack Lipkin, Sr., by his many friends and admirers. Dr. Lipkin was a gentle and powerful force who dedicated his life and career to advancing the most humane and caring practices of medicine.

The Center for Biodiversity and Conservation is grateful to Museum Trustee Vivian Donnelley and her daughters for their generous support of this conference.

For their significant role in shaping the form and content of this conference, we especially wish to acknowledge the SCCS-NY's many reviewers and mentors, who are named in the back of this program. Special thanks to Joanne and Paul Prager.

SCCS-NY Content Coordinators:

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WEDNESDAY, NOVEMBER 3

8:00 am	Breakfast and Registration — Grand Gallery and Northwest Coast Indians Hall	
9:00 am	Welcome and Introduction — Kaufmann & Linder Theaters ELEANOR J. STERLING, PH.D., Director, Center for Biodiversity and Conservation, American Museum of Natural History	
	Plenary: Toward Conservation Solutions: Enhancing Interdisciplinary Partnerships MARTHA GROOM, PH.D., Professor of Ecology and Environmental Studies, University of Washington Bothell and Seattle	
9:50 am	Talks Session: Conservation and Communities (Part 1) Moderator: MIKE RANDS, PH.D., Executive Director, Cambridge Conservation Initiative, University of Cambridge	
	Community-based Research Enhances Management of Poached Bird	Aimee Kessler
	Negotiated Wildlife in Mali, West Africa	Ian Edwards
	Poverty, Social Capital and PES (Payments for Environmental Services) in Mexican Community Forests	Lindsey Roland Nieratka
	Luring in Locals: Fishponds and Conservation in Southern Japan	Annie Claus
11:00 am	Break — Northwest Coast Indians Hall Sponsored by Fordham University-Graduate School of Arts and Sciences	
11:30 am	Talks Session: Conservation and Communities (Part 2) — Kaufmann & Linder Theaters Moderator: JOHN FLYNN, PH.D., Frick Curator, Professor, and Dean, Richard Gilder Graduate School, American Museum of Natural History	
	Biodiversity and Land-Use in Ecuadorian Indigenous Communities	Johan Oldekop
	Conservation and Livelihood Tradeoffs in Community Forests	Meha Jain
	Livestock vs. Wildlife: A Comparison of Grazing Systems	Megan McSherry
	Structure of Community Capacity for Conservation Action	Nikolay Kazakov
12:35 pm	Lunch (with mentor-hosted tables) — Mexico and Central America Hall, 2nd Floor	
2:00 pm	Speed Talks Session: Advancing/Refining Research Models and Tools Kaufmann & Linder Theaters Moderator: DAVID K. SKELLY, PH.D., Professor of Ecology and Associate Dean for Research, School of Forestry and Environmental Studies, and Curator, Peabody Museum of Natural History, Yale University	
	Species Traits and Dung Beetle Response to Transitioning Tropical Forest Degradation	Elizabeth Nichols
	Using Acoustic Sensors to Monitor Colonial Seabirds	Abraham Borker
	Importance of Sperm DNA Integrity Among Endangered Species	Maria Jose Ruiz Lopez
	The Amphibian Chytrid Fungus in New England	Katy Richards-Hrdlicka

S C C S - N Y A G E N D A

Assessing Rarity in Mammals of a Central American Corridor	Michael Cove
Defining Attributes of Large Mammal Corridors in China	Sheng Li
Climate Change, Metabolism, and the Future of Life Histories	Santiago Salinas
What Does the Past Show Us About the Future?	Tim Schikora
Conservation Planning Using Spatially Clustered Data	Tsitsi Y. McPherson
Simple Models to Visualize Ecosystem Service Relationships	Paige Olmsted

3:15 pm **Break** — Northwest Coast Indians Hall

Talks Session: Conservation Approaches and Tools (Part 1)

3:45 pm Kaufmann & Linder Theaters

Moderator: EBAN GOODSTEIN, PH.D., Director, Bard Center for Environmental Policy, Bard College

Flagship Species and the Conservation Value of Their Congeners	Leo Douglas
Designing Resilient MPA Networks in Thailand's Andaman Sea	Petch Manopawittr
Howler Monkey in Forest Fragments in Colombian Coffee Region	Carolina Gomez-Posada
The Utility of Conservation Corridors for Seed Dispersal	Daniel Evans
Fire as a Management Tool: Impacts on Mammalian Herbivores	Stephanie Eby

5:10 pm **Poster Session and Pizza Party** — Northwest Coast Indians Hall
Sponsored by the Wildlife Conservation Society

7:00 -
8:30 pm

THE 2010 MACK LIPKIN MAN AND NATURE SERIES PANEL DISCUSSION
A Life in Conservation: Diverse Perspectives — Kaufmann & Linder Theaters

Introduction: MICHAEL J. NOVACEK, PH.D. - Senior Vice President and Provost of Science, American Museum of Natural History

SIR PETER CRANE, PH.D. - Carl W. Knobloch, Jr. Dean of the School of Forestry & Environmental Studies and Professor of Botany, Yale University, New Haven, Connecticut

JON WATERHOUSE - Executive Director, Yukon River Inter-Tidal Watershed Council, Fairbanks, Alaska

PAIGE WEST, PH.D. - Associate Professor, Anthropology, Barnard College and Columbia University

Moderator: ELEANOR J. STERLING, PH.D. - Director, Center for Biodiversity and Conservation, American Museum of Natural History

The Mack Lipkin Man and Nature Series was established in honor of Dr. Mack Lipkin, Sr., by his many friends and admirers. Dr. Lipkin was a physician who was a gentle and powerful force towards advancing the most humane and caring practices of medicine. The Museum is proud to welcome Peter Crane, Jon Waterhouse, and Paige West as the 2010 Mack Lipkin Man and Nature Series Fellows.

THURSDAY, NOVEMBER 4

8:00 am	Breakfast and Registration — Grand Gallery and Northwest Coast Indians Hall Sponsored by Columbia University's Earth Institute and Department of Ecology, Evolution and Environmental Biology
9:00 am	Session Introduction — Kaufmann & Linder Theaters FELICITY ARENGO, PH.D., Associate Director, Center for Biodiversity and Conservation, American Museum of Natural History
	Plenary: Health, Environment, and Biodiversity: Conservation Implications of a Complex Relationship ANDRÉS GÓMEZ, D.V.M., PH.D., Postdoctoral Fellow, Center for Biodiversity and Conservation, American Museum of Natural History
9:45 am	Talks Session: Ecological Theory, Systematics, and Conservation Moderator: WILL BANHAM, PH.D., Associate Director, Capacity Building, Conservation Support, Global Conservation Program, Wildlife Conservation Society
	Habitat Use of Forest-Falcons in the SE Peruvian Amazon Ursula Valdez
	Mass Extinction, Habitat Loss, and Lemur Persistence Brooke Cowley
	Pollination of the Endangered <i>Kadua coriacea</i> (Rubiaceae) Christian Torres
	Estimating Area of Occupancy Across Spatial Scales Jessica Stanton
	Conservation Status of Cyprinids from Palawan Philippines Joie Dicar Matillano
11:10 am	Break — Northwest Coast Indians Hall Sponsored by Princeton University
11:35 am	Talks Session: Socioeconomic Dimensions of Conservation Kaufmann & Linder Theaters Moderator: NORA BYNUM, PH.D., Director of Global Strategy, Office of International Programs and Strategy, Duke University
	Politics to Parasites: Health in African Park Landscapes Sadie Jane Ryan
	Rural Energy Development as a Tool for Forest Conservation Christine Trac
	Sustaining the Religious Bromeliad Harvest in Central Mexico Ingrid Haeckel
	A Framework for Social Justice and Sustainability Kellen Marshall
12:40 pm	Lunch (with mentor-hosted tables) — AMNH Powerhouse, 2nd Floor
2:00 pm	SCCS-NY Participant Group Photo — 81st Street Terrace, 2nd Floor

2:20 pm	Speed Talks: Biological and Social Sciences — Kaufmann & Linder Theaters	
	Moderator: GEORGE AMATO, PH.D., Director, Sackler Institute for Comparative Genomics, American Museum of Natural History	
	Managing the Social Side of Coupled Human-Ecological Systems	Jennifer S. Arnold
	Butterflies and Conservation in Assam, India	Daniel J. Gurdak
	The Global Potential for Whale Watching	Andres M. Cisneros-Montemayor
	Making Ends Meet: Conservation and Forest Dependency in Peru	Jessica Long
	Village-based REDD+ Projects in Papua New Guinea	Mellie Samson Junior
	Impacts of Artisanal Fisheries on Irrawaddy Dolphins	Tara Whitty
	Syngnathidae Species Trade in U.S. Traditional Medicine	Joel T. Boehm
	Scope and Scale of the Illegal Wildlife Trade	Gail Rosen
	A Study on Chinese Perception of Human-Wildlife Conflict	Gao Yufang
	Participatory Wetland Conservation in YokDon National Park	Phan Thi Bao Chi
3:05 pm	Break — Shell and Burroughs Corridors Sponsored by the National Geographic Society	
3:35 pm	Talks Session: Conservation Approaches and Tools (Part 2) Kaufmann & Linder Theaters	
	Moderator: HENRY HORN, Director of Graduate Students and Professor of Ecology and Evolutionary Biology, Princeton University	
	De Facto Marine Reserves as a Conservation Management Tool	Ishbel Kerkez
	Participatory Biological Study of Seasonal Octopus Reserves	Ratsimbazafy Hajaniaina Andriana Valonarivo
	Coral Reefs Conservation: Where Should Efforts Be Focus?	Adriana Humanes Schumann
	Predicting Where and When Coral Disease Outbreaks Will Occur	Jamie Sziklay
5:20 – 7:30 pm	The Effect of Stress on the Endangered Elkhorn Coral	
	Nicholas Polato	
Poster Session / Reception / Career Fair — AMNH Powerhouse, 2nd Floor Sponsored by Yale University's School of Forestry and Environmental Studies		

FRIDAY, NOVEMBER 5

8:00 am	Breakfast — Grand Gallery and Northwest Coast Indians Hall	
	Session Introduction — Kaufmann & Linder Theater	
9:00 am	ANA LUZ PORZECANSKI, PH.D., Associate Director for Capacity Development & Project Director, Network of Conservation Educators and Practitioners, Center for Biodiversity and Conservation, American Museum of Natural History	
	Plenary: Staying Relevant as a Conservation Biologist	
	JAMES GIBBS, PH.D., Professor and Associate Chair, Department of Environmental and Forest Biology, State University of New York College of Environmental Science and Forestry	
9:45 am	Talks Session: Conservation in Human-dominated Landscapes	
	Moderator: KAREN A. POIANI, PH.D., Chief Conservation Strategy Officer, The Nature Conservancy	
	Consequences of Roads and Runoff on Wetland Amphibians	Steven Brady
	Conservation Value of Constructed Vernal Pool Wetlands	James Arrigoni
	Impacts of Energy Development Noise on Lekking Sage-Grouse	Jessica Blickley
	Ancient-Forest Herbs Are Missing From Secondary Forests	Kristof Kelemen
	Invasive Snails Bring Parasites to the Panama Canal	Victor Manuel Frankel
11:10 am	Break — Northwest Coast Indians Hall	
	Sponsored by the American Association for the Advancement of Science	
	Speed Talks Session: Advancing Habitat and Landscape Management	
11:40 am	Kaufmann & Linder Theaters	
	Moderator: JON WATERHOUSE, Executive Director, Yukon River Inter-Tidal Watershed Council, Fairbanks, Alaska	
	Diversity, Endemism and Conservation of Indian Butterflies	Krushnamegh Kunte
	Remote Sensing of Potential Restoration in a Dry Forest	Kealohanuiopuna Kinney
	Conserving Madagascar's Rainforest Carnivores	Brian Gerber
	Protecting Loggerhead Turtle Habitats: An Inconvenient Truth	Katrina Phillips
	Evaluating Nest Protectors for Turtle Conservation	Shahriar Caesar Rahman
	Investigating the Biodiversity of New York City Green Roofs	Melanie Smith

S C C S - N Y A G E N D A

	Land Use Control on Soil-Carbon Leaching and Bioavailability	Na Xu
	Does Matrix Type Influence Tropical Forest Regeneration?	Robin Martino
	Applied Research for Fluvial Arctic Grayling Conservation	Shane Vatland
	Design Solutions to Coastal Human-Wildlife Conflicts	Meredith Root-Bernstein
1:00 pm	Lunch / Speed Mentoring — Powerhouse, 2nd Floor	
	CONCURRENT SESSIONS: Speed Talks and Workshop Session I	
2:30-3:30 pm	Speed Talks Session: Understanding Changing Habitats and Landscapes Kaufmann Theater	
	Moderator: ALONSO AGUIRRE, PH.D, Senior Vice President, EcoHealth Alliance (formerly Wildlife Trust)	
	Andean Floodplain Rivers: Ecohydrology and Conservation	Jorge E. Celi
		Dalal
	Historical Change in Marine Ecosystems of the Persian Gulf	Al-Abdulrazzak
	Bird Community Reconstruction in Beijing Olympic Forest Park	Xing Shuang
	Analysis of Forest Change in the Last 40 years in Sichuan, China	Liu Xi
	Landscape Genetics, Biological Corridors in <i>Saimiri oerstedii</i>	Mary E. Blair
	Hot, Dry and Hungry: Impact of Drought on Tiger Prey Selection	Jennie Miller
	Importance of Plant Genetic Variation in Marsh Restoration	Ari Novy
2:30-5:30 pm	Workshop Session I (Concurrent 180-minute sessions, with break)	
	Modeling Ecological Niches and Geographic Distributions: What, Why and How? Richard Gilder Lecture Hall, 5th Floor	
	RICHARD PEARSON, American Museum of Natural History	
	ROBERT ANDERSON, City University of New York	
	STEVEN PHILLIPS, AT&T Labs-Research	
	Conservation Action Planning: Developing Conservation Strategies for Applied Conservation Projects Rose Center Classroom, 2nd Floor	
	KAREN POIANI and GEORGE SCHULER, The Nature Conservancy	

	<p>Advances in Monitoring and Quantitative Ecology in Conservation Science Linder Theater BENJAMIN ZUCKERBERG, Cornell Lab of Ornithology JAMES GIBBS, State University of New York, College of Environmental Science and Forestry WESLEY HOCHACHKA, Cornell Lab of Ornithology</p>
	<p>Expanding Your Teaching Toolbox: An Introduction to Active and Scientific Teaching Approaches Sackler Lab, 1st floor ANA LUZ PORZECANSKI, Center for Biodiversity and Conservation, American Museum of Natural History</p>
3:30 pm	Break — Shell and Borroughs Corridor, 1st floor
4:00-5:30 pm	Workshop Session II (Concurrent 90-minute session)
	<p>Ecological Risk Analysis for Conservation Biology Rose Center Conference Room, 4th Floor NICHOLAS FRIEDENBERG, Applied Biomathematics, Inc.</p>
	<p>Economics As a Tool for Conservation? Really? Kaufmann Theater BRENDAN FISHER, Program in Science, Technology and Environmental Policy, Woodrow Wilson School of International and Public Affairs, Princeton University</p>
	<p>Legal and Ethical Issues of International Research and Specimen Collection in a Post-Convention on Biological Diversity World People Center, 2nd Floor JAMES S. MILLER, PH.D., Dean and Vice President for Science and Rupert Barneby Curator for Botanical Science, New York Botanical Garden</p>
5:30 pm	<p>Awards and Closing Remarks — Kaufmann Theater ELEANOR J. STERLING, PH.D., Director, Center for Biodiversity and Conservation, American Museum of Natural History</p>
6:00 pm	Adjourn

Wednesday, November 3
 Kaufmann Theater
 9:00 am

MARTHA GROOM, Ph.D.

Professor of Ecology and Environmental Studies, University of Washington Bothell and Seattle

TOWARD CONSERVATION SOLUTIONS: ENHANCING INTERDISCIPLINARY PARTNERSHIPS

How do we best create solutions to our myriad conservation problems? Increasingly, interdisciplinary partnerships play a central role in creating conservation solutions on the ground, yet the bulk of our training in conservation still focuses on biological issues alone. I feel we need to make conservation far more compelling to a far broader array of people. Our focus on biodiversity crises overwhelms, and we need to shift attention to the opportunities in solution formation. Building productive partnerships comes through exploring the connections and tensions between biodiversity conservation and human welfare, creating a culture of interdependence among approaches to solutions, and demonstrating the potential for strengthening multiple goals through such partnerships. We need to better motivate and retain individuals with a wide diversity of goals and approaches to partner in attaining conservation solutions for our future.

Thursday, November 4
 Kaufmann Theater
 9:00 am

ANDRÉS GÓMEZ, D.V.M., Ph.D.

Postdoctoral Fellow, Center for Biodiversity and Conservation, American Museum of Natural History

HEALTH, ENVIRONMENT, AND BIODIVERSITY: CONSERVATION IMPLICATIONS OF
 A COMPLEX RELATIONSHIP

Although the biomedical sciences have long had a part in conservation practice (e.g., providing medical care to captive populations), for roughly a decade more integrated approaches linking health, disease, and conservation have become increasingly relevant. These approaches are helping us understand the role of wildlife species in the transmission of emerging pathogens, the effects of disease on conservation efforts, and the importance of land use change in an increasingly epidemiologically-homogenized world. But as we gain a more detailed understanding of biodiversity, other connections become apparent. For example, recent research has begun to uncover the numerical and functional importance of parasite biodiversity—which creates the need to develop innovative strategies for its conservation—and parasite species are providing tools to acquire critical information with which to inform conservation strategies for their hosts. This kind of integrative, systemic understanding of biodiversity shows significant promise in the development of new multidisciplinary conservation strategies.

Friday, November 5
Kaufmann Theater
9:00 am

JAMES GIBBS, PH.D.

Professor and Associate Chair, Department of Environmental and Forest Biology, State University of New York College of Environmental Science and Forestry

STAYING RELEVANT AS A CONSERVATION BIOLOGIST

Conservation biology is the applied science of maintaining Earth's biological diversity. Being effective as a conservation biologist thus means not just being good at the science part but also being able to apply that knowledge. It also means having an experiential familiarity with the diverse life forms that we study. The good news is that our science is stellar these days, with ever improving techniques of analysis and vast and growing datasets at our disposal. But here's the rub: virtually no "managers" read science journals anymore and most primary literature is an impenetrable thicket of statistics and bad writing. How do we actually connect our science with that mythical "manager" that we all mention in our published articles and theses, so that we can see our hard-earned knowledge put into practice? One solution is recognizing that our highly competitive, publication-crazy and credit-craven field is a culture at odds with that in which most conservation solutions are achieved: solutions come from basic team-work, coalitions, communication, and the generous sharing of time, resources, and innovative ideas. We also need to recognize that nature deficit disorder doesn't only apply to children but to us as well... busy juggling electronic communications we rarely venture outdoors anymore. Most "managers" put a premium on credibility as emblemized by deep personal knowledge of and attachment to the species and ecosystems of concern, yet many conservation scientists are now so beholden to abstract representations of nature that they do not know basic natural history. Biodiversity is a real phenomenon studded with both warts and gems and elaborated across space and time in complicated ways inconvenient to us. Tremendous synergies arise from working as scientist, mentor, teacher, advisor, and advocate and developing the practical skills and fortitude to go out and meet biodiversity on its own terms. My presentation will focus on sharing a series of case studies from my own work as a conservation scientist struggling to remain relevant.

In alphabetical order by presenter's last name

**Bottom-Up Influences on Vernal Pools and
Anuran Development**
MEREDITH ATWOOD

Industrial Development and Wildlife Conservation
SAMUEL AYEBARE

**Land Use and Lizard Density: Access to
Perches vs. Prey**
ANDREW BATTLES

**The Dynamics of Animal Migrations Captured
by Satellites**
PIETER S.A. BECK

**Stakeholders and Endangered Killer Whales:
A Case Study**
BARBARA BENNETT

**Ecological Niche Modeling of Grey-Shanked
Doucs in Vietnam**
NOLAN BETT

**Carbon-Use Efficiency and the Fate of the
Arctic Tundra**
DANIELLE BITTERMAN

**Red Wolf-Coyote Hybridization in Eastern
North Carolina**
JUSTIN H. BOHLING

**Habitat Use and Ecosystem Services of Bats
in Pecan Orchards**
ELIZABETH BRAUN DE TORREZ

**Habitat Suitability Modeling for the Shorebirds
of New York**
GUY BROOKS

**Effects of Climate Change on American
Redstart Survival**
LEONE M. BROWN

**Abyssal Benthic Diversity Patterns in
the Gulf of Mexico**
RUSSELL CARVALHO

**Birds and Reduced-Impact Logging in Acre,
Brazilian Amazon**
WILLANDIA CHAVES

Climate and Competition Influence Coexistence
AMANDA CHUNCO

**Habitat Selection of the Endangered
Hawaiian Goose**
CHRISTINA CORNETT

**An Orchid Host: Home Is Where the Heart of
the Problem Is**
BENJAMIN J. CRAIN

**Bushmeat Hunting on Bioko Island,
Equatorial Guinea**
DREW T. CRONIN

**Cultural Ecology of Oyster Conservation
and Restoration**
LINDA D'ANNA

**Conservation Status of Rare Primates of the
Peruvian Andes**
ANNEKE DELUYCKER

**Changes in Bird Arrivals and Cohort Sizes
in Massachusetts**
ELIZABETH ELLWOOD

Evaluating Government-Driven Conservation Planning

BJORN ERICKSON

Habitat Fragmentation and Angolan Black and White Colobus

ERIK NDAYISHIMIYE

Landscape Configuration and Tree Plantation Habitat Quality

MATTHEW FAGAN

Effects of Altered Nitrogen Cycles on Temperate Forest Trees

NANCY FALXA-RAYMOND

Methods for Reserve Selection: The Case of Malagasy Lemurs

KATIE FIORELLA

Cytb Sequences Identify Seahorses for Sale in NYC Chinatown

MARCIA FOSTER

Mahogany Population Dynamics-Importance of Spatial Processes

CHRIS FREE

Health Outcomes of Natural Resource Access and Utilization

CHRIS GOLDEN

Food and Feeding Ecology of Rhinoceros Unicornis Linn.

BUDDHIN CH. HAZARIKA

On the Backs of Turtles: Negotiating Policy in Galapagos

ELIZABETH HENNESSY

Assessing Aquatic Insect Diversity in Queensland, Australia

PRISCILLA HERNANDEZ

Lemur Population Size in Forest Edges and Interior

JAMES P. HERRERA

Ecological Impact of Agricultural Abandonment in Mexico

EMILY HITE

Insight from Landscape Ecology Aid Marine Reserve Assessment

BRITTANY HUNTINGTON

Carbon Isotope Evidence of Methane Recycling in a Cool Temperate Bog

PETER ISLES

Great Ape Conservation, War & Environmental Peacemaking

CRISTA E. JOHNSON

Conservation Genetics of *L. polyphemus* in Long Island Sound

JO-MARIE KASINAK

Climate Affects the Demography of a Subalpine Population

EVA KNEIP

Species Interactions Disrupted by Habitat Degradation in the Tumbesian Region, Ecuador

JESSIE L. KNOWLTON and CATHERINE H. GRAHAM

Tribal Rights and Tiger Conservation in South India

ROOPA KRITHIVASAN

Anthropogenic Disturbance Increases the Prevalence of Pathogenic Protozoa in Wild Rodent Reservoirs in Uganda

STEFANIE LANG

Anthropogenic Encroachment of Tropical Reserves

TIEN MING LEE

**Baselines and Tea Landscapes in the
Nilgiris Hills, India**
JARED MARGULIES

**Habitat Choice by Birds in Coffee Agroforestry
Landscapes**
MELISSA MARK

**What Type of Corridor is Suitable for
Ecological Network?**
MISAKO MATSUBA

Sustainability of Wildlife in Logging Concessions
GERMAIN MAVAH

Reconciling Livelihoods and Conservation Strategies
FRANCIS MBUNYA NKEMNYI

**Cultural Seascapes and Marine Protection Planning
in Newfoundland**
JULIE-BETH MCCARTHY

**Prioritizing Islands Globally for Invasive
Mammal Removal**
ERIN MCCRELESS

**Life on the Edge: *Propithecus coquereli* in NW
Madagascar**
KERIANN MCGOOGAN

Discovering New York's Forgotten Apple Pollinators
MIA PARK

**Distribution and Priority Areas for Colombian
Spider Monkeys**
ALBA MORALES

**Analysis of Attitudes Toward Eurasian Lynx in
Slovenia**
JASNA MULEJ TLHAOLANG

**Closing the Gap: Predicting and Preventing
Species Declines**
KRIS MURRAY

**Conservation of a South African Sage Using
Biotechnology**
HANNIBAL TAFADZWA MUSARURWA

**Conservation Land-Use Planning in the Democratic
Republic of Congo (DRC)**
JANET NACKONEY

**Status, Distribution & Conservation of Hispid Hare,
NE-India**
NABA KRISHNA NATH

**Genetic Diversity of Rhizobia Nodulating
*Acacia pycnatha***
JOICE NDLOVU

**Extractivism as a Livelihood Option in
Multiple-Use Reserves**
PETER NEWTON

**Georeferencing Marine Specimens from Natural
History Museums**
MARIANA PADRON

Do Trophy Hunters Value Rarity?
GRAHAM PRESCOTT

**Biomass Certification and Landscape Restoration
in Namibia**
RYAN RICHARDS

**Flow and Macroinvertebrate Communities at
High-Andean Streams**
BLANCA RIOS

**Social Consequences of Habitat Fragmentation in
Blue Monkeys**
SU-JEN ROBERTS

Phylogeography of Brown Spider Monkeys

LINA MARIA VALENCIA RODRIGUEZ

Examining Forest Parcelization Patterns in Eastern New York

ANDREW ROE

Cross-Shelf Connectivity in Belize

ELI S. ROMERO

Habitat Utilization Pattern of Asian Elephant in Manas National Park, India

BHRIGU PRASAD SAIKIA

Metapopulation Capacity with Self-Colonization at Big Scales

JESSICA SCHNELL

Conservation of Autochthonous Noble Crayfish Populations

ANNE SCHRIMPF

Advances in PVA Modeling Using Capture Recapture Data

KEVIN T. SHOEMAKER

Impact of Habitat Fragmentation on Lemurs in NW Madagascar

TRAVIS STEFFENS

Soil & Water Conservation Projects in the Western Sahel

MIMI STITH

A Public Health Approach to Primate Conservation

MELANIE SUBRAMANIAN

A Semiparametric Method for Allee Effect Threshold Detection

MASATOSHI SUGENO

Sperm Metabolism in the Teratospermic Cat and Cheetah

KIMBERLY TERRELL

Foal Survival in Grevy's Zebra (*Equus grevyi*)

ELIZABETH TUPPER

Landscape Scale Patterns of Biodiversity in Bangladesh

MOHAMMAD BELAL UDDIN

Conservation of Some Costa Rican Medicinal Plants

LISA VANTIEGHEM

Future Distribution Models for Andean Species in Colombia

JULIAN VELASCO

Measuring Matrix Conductance for Fruit Feeding Nymphalids

NORAH WARCHOLA

Population Genetics of the Giant Arapaima in Guyana

LINET CYNTHIA WATSON

Altered Gene Flow Following Adaptation to Climate Change

RACHEL WELT

Bulkheading and Terrapin Nesting Ecology in Barnegat Bay

JULIANNE WINTERS

Agricultural Impact on Sex Ratios of Groundnesting Songbirds

DEREK MICHAEL WRIGHT

Pilgrim's Progress: Conservation of Sacred Mountains in Asia

ALLEGRA YELEY

A GIS Based Pest Management in Blueberry Production in USA

FARUQUE UZ ZAMAN

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Resit Akçakaya, Ph.D. - Professor, Department of Ecology and Evolution, Stony Brook University, SUNY

George Amato, Ph.D. - Director, Sackler Institute for Comparative Genomics, American Museum of Natural History

Robert P. Anderson, Ph.D. - Associate Professor, Department of Biology, City College of New York and City University of New York

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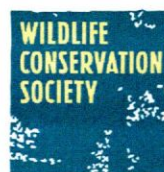
Center for Biodiversity and Conservation

In 1993, the American Museum of Natural History created the Center for Biodiversity and Conservation (CBC) to leverage its expertise to mitigate threats to cultural and biological diversity. The CBC develops strategic partnerships to expand scientific knowledge about diverse species in critical ecosystems, and to apply this knowledge to conservation; builds professional and institutional capacities for biodiversity conservation; and heightens public understanding and stewardship for biodiversity. Working both locally and around the world, the CBC develops model programs and tools that integrate research, education, and outreach so that people—a key factor in the rapid loss of biodiversity—will become participants in its conservation.



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