



CENTER FOR BIODIVERSITY AND CONSERVATION

Student Conference on Conservation Science - New York

October 14-17, 2014



AMERICAN MUSEUM & NATURAL HISTORY

Student Conference On Conservation Science-New York October 14-17, 2014

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Center for Biodiversity and Conservation

Full presentation abstracts are available on the SCCS-NY website: cbc.amnh.org/sccsny

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AMERICAN MUSEUM & NATURAL HISTORY

STUDENT CONFERENCE ON CONSERVATION SCIENCE **NEW YORK (SCCS-NY)** OCTOBER 14-17, 2014

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 encourage collaborations, and advance research.

SCCS-New York is a sister conference to the highly successful SCCS-Cambridge. Begun in 2000, the conference series now includes SCCS-Bangalore, SCCS-Australia, SCCS-Beijing, and SCCS-Hungary.

The Student Conference on Conservation Science-New York 2014 (SCCS-NY) is sponsored by the American Museum of Natural History's Center for Biodiversity and Conservation, in partnership with the Yale University School of Forestry and Environmental Studies and Princeton University. Collaborating institutions that have provided advisors, reviewers, and mentors include Aaron Diamond AIDS Research Center, Bard College, Cedar Crest College, Center for Humans and Nature, City College of New York, College of Staten Island, Columbia University, Conservation Leadership Programme, Earth Institute, Fordham University, Great Basin Bird Observatory, Lincoln Institute of Land Policy, Long Island University, Portland State University, Queens College, Richard Gilder Graduate School, Society for Conservation Biology, State University of New York at Oneonta, State University of New York College of Environmental Science and Forestry, Stony Brook University, The Hastings Center, The Nature Conservancy, The New School, University of Washington Bothell, University of Washington, Waitt Institute, Wildlife Conservation Society, and Yale School of Forestry and Environmental Studies.

In conjunction with SCCS-NY, the American Museum of Natural History is proud to host the Mack Lipkin Man and Nature Series panel discussion, and Questions for a Resilient Future, co-presented by the Center for Humans and Nature.

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

Technology Coordinators:

SCCS-NY Content and Logistics Coordination:

Felicity Arengo Kristin Douglas Margaret Law Ana Luz Porzecanski

Tony Alexander Pete Ersts

Program Design: Eleanor Sterling Nadav Gazit

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PHOTOGRAPHY AND FILM RECORDING POLICIES:

SCCS-NY is designed to foster dialogue and collaboration between the students, postdoctoral fellows, early career professionals and established conservationists in attendance. We care deeply about preserving the integrity of the work, research, and personal interactions of our speakers, mentors, presenters, and attendees.

Only official, AMNH-contracted vendors and working journalists with approved press credentials will be permitted to photograph, film, audio tape, or publish written content about the conference sessions and special events/receptions.

Individuals filming or photographing with personal video/audio equipment or other recording devices (mobile phones, digital or film cameras, tape recorders) without prior permission from the Center for Biodiversity and Conservation or the American Museum of Natural History, or without proper credentials, will be asked to cease recording or using these devices immediately.

If you choose to write about the conference following the scheduled sessions, you must gain approval from speakers/presenters prior to quoting, publishing, or otherwise referencing their research on the Internet or through other forms of media.

If you will be using social media during the conference (Twitter, Tumblr, Facebook, Google+, personal blogs) we ask that you be especially cautious about discussing the work that is being presented. Due to the nature of this conference you may be hearing about new or unpublished work that may not be suitable for sharing.

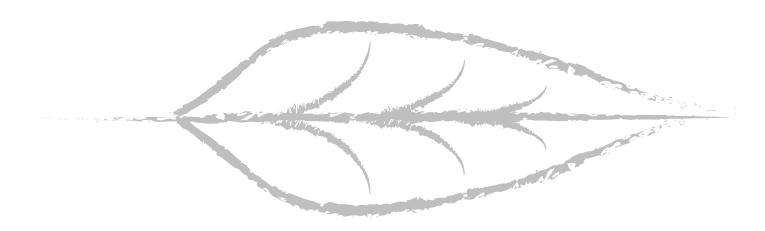
Please keep in mind that our speakers and presenters have invested considerable time and effort in the development of their material and copyright laws apply.

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TUESDAY, OCTOBER 14		
4:00 pm - 8:00 pm	QUESTIONS FOR A RESILIENT FUTURE Hosted by the Center for Humans and Nature and the American Museum of Natural History Kaufmann Theater, 1st Floor	
4:00 pm	Welcome by Ana Luz Porzecanski , Director of the Center for Biodiversity and Conservation, American Museum of Natural History	
	Welcome and introductions by Millie Solomon, President, Hastings Center	
	HOW FAR SHOULD WE GO TO BRING BACK LOST SPECIES? Ben Minteer , Arizona Zoological Society Chair, Arizona State University Harry W. Greene , Professor & Stephen H. Weiss Presidential Fellow, Cornell University	
	ROUNDTABLE DISCUSSION, moderated by: Brooke Hecht, President, Center for Humans and Nature Joined by Eleanor Sterling, Chief Conservation Scientist, Center for Biodiversity and Conservation, American Museum of Natural History	
6:15 pm	Welcome and introductions by Ceara Donnelley , Vice Chair of the board, Center for Humans and Nature	
	MIND AND MORALITY: WHERE DO THEY MEET? Michael McCullough, Professor of Psychology, University of Miami Arthur Zajonc, President, Mind & Life Institute	
	ROUNDTABLE DISCUSSION, moderated by: Krista Tippett, creator & host of radio show/podcast, On Being	



	WEDNESDA	, OCTOBER 15	
8:00 am	Breakfast and Registration (Grand Gallery, 77th Street Lobby)		
	Welcome and Introduction (Kaufmann / Linder Theaters)		
9:00 am	Ana Luz Porzecanski , Director, Center fo Natural History	or Biodiversity and Conservation, American Museum of	
9:15 am	Plenary Address: John Cigliano Professor of Biology and Director of Environmental Conservation, Cedar Crest College	How can you best contribute to conservation? Insights from marine conservation, citizen science, and the liberal arts	
	(Kaufr	Talk Session mann/Linder Theaters)	
10:00 am	Session Chair: Ana Luz Porzecanski Director, Center for Biodiversity and Conservation, American Museum of Natural History		
	Seline Meijer University College Dublin	Farmers and forests in Malawi: The links between attitudes, intentions and behaviour	
	Tenzing Ingty <i>University of Massachusetts, Boston</i>	Response of agro-pastoral communities to climate change in the Eastern Himalayas	
	Demetrio Bocuma Mene Drexel University	Assessing attitudes towards bushmeat on Bioko Island, Equatorial Guinea	
	Fatemeh Bakhtiari Copenhagen University	How should biodiversity be presented in valuation studies?	
11:10 am	Break (Hall of Northwest Coast Indians,	1st Floor)	
	(Kaufr	Talk Session nann/Linder Theaters)	
11:45 am	Session Chair: Mark Weckel Postdoctoral Conservation Research and Teaching Fellow, Center for Biodiversity and Conservation and Department of Education, American Museum of Natural History		
	Yiwei Wang Save the Elephants	Anthropogenic development influences on puma behavior, movement, and energetics	
	Zach Farris Virginia Polytechnic Institute and State University	Carnivores in decline: factors impacting Madagascar's carnivore populations	
	Sarah Weiskopf University of Delaware	What are snow leopards eating? Using genetics to reduce bias in food habit studies	
12:45 pm	Lunch: Mentor-Hosted Tables (School Lunchrooms, Lower Level)		
2:00 pm	Group Photo (Central Park West entrance steps. Rain location: Kaufmann Theater)		

	Speed Talk Session (Kaufmann/Linder Theaters)	
2:20 pm	Session Chair: Eric Sanderson , Senior Conservation Ecologist, Wildlife Conservation Society	
	Benjamin Freeman Cornell University	New Guinean montane avifaunas shift upslope in response to warming temperatures
	Taylor Callicrate <i>University of Maryland</i>	Serial bottlenecks and genetic variation in the Laysan Finch
	Sandra Hoffberg University of Georgia	Within population genetic diversity of kudzu (<i>Pueraria montana</i>) over space and time
	Erin Eastwood Columbia University	Community assembly of coral reef fish along the Melanesian biodiversity gradient
	Eric Ramos City University of New York	Foraging-related calls produced by bottlenose dolphins at Turneffe Atoll, Belize
	Debra Kriensky <i>Columbia University</i>	Shorebirds and horseshoe crabs: five years of citizen science research in Jamaica Bay
	Paulina Stowhas University of Wisconsin	Native, invasive or domestic mammals in Chile: What are protected areas preserving?
	Amanda Sigouin Columbia University	The global impact of the turtle trade in Guangzhou, China
	Andrea Patricia Thomen State University of New York College of Environmental Science and Forestry	Socio-ecological drivers of bird-friendly management in Dominican cacao farms
3:10 pm	Speed-Talk Discussion and Break (Hall of N	Northwest Coast Indians, 1st floor)
	Talk Session (Kaufmann/Linder Theaters)	
4:00 pm	Session Chair: Georgina Cullman Postdoctoral Fellow, Center for Biodiversity an History	d Conservation, American Museum of Natural
	Onja Razafindratsima Rice University	Assessing the value of seed dispersers to plant recruitment
	Wulan Pusparini University of Massachusetts Amherst	Sumatran rhinoceros occurrence and index of abundance in Sumatra, 2007-2010
	Amrita Neelakantan Columbia University	Faunal assemblages in dry deciduous forests of northern Madagascar
5:00 - 7:00 pm	Poster Session and Reception (Astor Turret and Hall of Primitive Mammals, 4 th floor)	

	THURSDAY, OC	CTOBER 16	
8:00 am	Breakfast and Registration (Grand Gallery, 77th Street Lobby)		
	Welcome and Introduction (Kaufmann / Linder Theaters)		
9:00 am	Eleanor Sterling Chief Conservation Scientist, Center for Biodiversity and Conservation, American Museum of Natural History		
9:05 am	Plenary Address: Lekelia (Kiki) Jenkins Assistant Professor, School of Marine and Environmental Affairs, University of Washington	Keys for inventing technologies that protect the environment: lessons from marine conservation	
	Talk Session (Kaufmann/Linder Theaters)		
9:50 am	Session Chair: Eleanor Sterling Chief Conservation Scientist, Center for Biodiversity and Conservation, American Museum of Natural History		
	Gillian Gregory McGill University	Impacts of rural-urban linkages on aquatic resource dependency in the western Amazon	
	Tara Cornelisse Center for Biodiversity and Conservation, American Museum of Natural History	Using habitat quality to manage extirpated sites for metapopulation persistence	
	Jeremy Feinberg Rutgers University	Hiding in Metropolis: A cryptic frog species from New York City and adjacent regions	
	Bianca Lopez University of North Carolina- Chapel Hill	Drivers of plant composition in an urban landscape: which variables matter most?	
11:00 am	Break (Hall ofNorthwest Coast Indians, 1 nd	floor)	
	Talk Session (Kaufmann/Linder Theaters)		
11:35 am	Session Chair: Mark Birchette Visiting Scientist, Center for Biodiversity and Conservation, American Museum of Natural History; Associate Professor of Biology, Long Island University		
	Meghna Agarwala Columbia University	Impact of economic payments on forest governance	
	Rosiana Lagi University of the South Pacific	Vanua Sauvi: conservation, food security & carbon sinking	
	Anne Sofie Nielsen University of Copenhagen	Planning in the dark? Conservation planning at the level of the landowner	
	Shalynn Pack University of Maryland	Impacts of Protected Area Downgrading, Downsizing & Degazettement (PADDD) in Brazil	
12:55 pm	Lunch: Mentor-Hosted Tables (School Lui	nchrooms, Lower Level)	

		Talk Session /Linder Theaters)
2:15 pm	Session Chair: Felicity Arengo Associate Director, Center for Biodiversity and	Conservation, American Museum of Natural History
	Emilia Braga The University of Brasilia	Pinus oocarpa as an invasive species in the Brazilian Savanna: first report
	Liz Schotman University of Maryland	Goats as invasive species management tools: Impacts of grazing on vegetative coverage
	Lindy Charlery University of Copenhagen	Moving forward in Forest and Nature Conservation - Padampur resettlement program
	Samantha Cheng University of California-Los Angeles	Impacts of conservation interventions on human well-being: a coastal perspective
	Rebecca Rutt University of Copenhagen	The scientific framing of forestry decentralization in Nepal
	Pedro Afonso Marquezini Leite <i>Universidade de São Paulo</i>	Does landscape structure influence the control of a coffee pest by social wasps?
	Zanariah Jasmani University of Copenhagen	Assessing the landscape and ecological quality of small urban parks
	Alexa Wilson <i>University of Massachusetts, Boston</i>	Provisioning services, livelihoods, and forests: a case study from Eastern Himalaya
	Aristia Hady Wanjaya <i>Wageningen University</i>	Framing local perspectives towards zonation in Mount Merapi National Park
3:05 pm	Speed-Talk Discussion and Break (Hall of N	Northwest Coast Indians, 1st floor)



4:00 pm -5:00 pm

Mack Lipkin Man and Nature Series THIS YEAR IN CONSERVATION

Hosted by the American Museum of Natural History

Kaufmann Theater, 1st Floor

Welcome and introductions by **Ana Luz Porzecanski**, *Director*, *Center for Biodiversity and Conservation*, *American Museum of Natural History*

Ayana Johnson, Executive Director, Waitt Institute

John Cigliano, Professor of Biology and Director of Environmental Conservation, Cedar Crest College

Lekelia (Kiki) Jenkins, Assistant Professor, School of Marine and Environmental Affairs, University of Washington

PANEL DISCUSSION, Moderated by:

Eleanor Sterling, Chief Conservation Scientist, Center for Biodiversity and Conservation, American Museum of Natural History

5:15 pm

CLOSING RECEPTION & AWARDS CEREMONY

Astor Turret and Hall of Primitive Mammals, 4th floor

Closing remarks and "Best of Conference" award presentations for best talks, speed talks, and posters by **Ana Luz Porzecanski**, Director, Center for Biodiversity and Conservation, American Museum of Natural History and **Felicity Arengo**, Associate Director, Center for Biodiversity and Conservation, American Museum of Natural History

5:30 -7:00 pm

RESOURCE & CAREER FAIR

Network and gather information about future careers and resources in conservation science!

- Audubon Society-New York
- Cambridge University Press
- Columbia University-Earth Institute Center for Environmental Sustainability (EICES)
- Conservation Leadership Programme
- EcoHealth Alliance
- Fordham University
- International Union for Conservation of Nature (IUCN)
- Island Press
- Network of Conservation Educators and Practitioners (NCEP)

- Oryx-Fauna & Flora International
- Princeton University
- Rainforest Alliance
- Richard Gilder Graduate School
- Smithsonian-Mason School of Conservation
- Society for Conservation Biology
- Wildlife Conservation Society-Glover's Reef Research Station
- World Wildlife Fund-Russell E. Train Education for Nature Program
- Yale University Press

The Center for Biodiversity and Conservation is grateful to Cambridge University Press, Fauna & Flora International, Island Press, and Yale University Press for their generous "Best of Conference" award donations.

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		FRIDAY, OCTOBER 17	
	Workshop Session I (for directions to rooms, meet at Kaufmann Theater Desk at 8:45 am)		
9:00 am	Making Decision Makers Do the Right Thing (Calder Lab, 2 nd Floor, 180 min.)	Led by: David Johns , School of Government, Portland State University; co-founder of Wildlands Network and Yellowstone to Yukon Conservation Initiative	
	Discovering Your Leadership Style (Linder Theater, 1st Floor, 180 min.)	Led by: Robyn Dalzen , <i>Director, Conservation Leadership Programme, Conservation International;</i> Christina Imrich , <i>Program Officer, Conservation Leadership Programme, Wildlife Conservation Society;</i> Julie Lewis , <i>Program Manager, Conservation Leadership Programme, Conservation International</i>	
	Present Your WorkVisually! (RGGS Lecture Hall - 5 th Floor, 180 min.)	Led by: Nadav Gazit , Research & Production Assistant, Center for Biodiversity and Conservation, American Museum of Natural History; Hara Woltz , Environmental Artist	
10:30 am	DIY: Crafting Academic Research for Conservation (Kaufmann Theater, 1st Floor, 90 min.)	Led by: Megan Cattau, PhD candidate at Columbia University, student researcher at Orangutan Tropical Peatland Project (OuTrop), intern at Center for International Forestry Research (CIFOR); Francine Kershaw, PhD candidate, Columbia University; Nicole Mihnovets, PhD candidate at Columbia University, graduate affiliate at the American Museum of Natural History; Maressa Takahashi, PhD student, Columbia University	
12:00	Lunch Break and Collections Tours (If you are registered for a Collections Tour, please meet at the registration desk outside the Kaufmann Theater on the 1st Floor at 12:10pm SHARP.)		
	Workshop Session II (for directions to rooms, meet at Kaufmann Theater Desk at 1:45 pm)		
2:00 pm	A Biocultural Approach to Conservation (Calder Lab, 2 nd Floor, 180 min.)	Led by: Georgina Cullman , Postdoctoral Fellow, Center for Biodiversity and Conservation, American Museum of Natural History	
	Making Your Work Matter: Engaging Stakeholders for Conservation Outcomes (Linder Theater, 1st Floor, 180 min.)	Led by: Tara Cornelisse , Science Editorial Postdoctoral Fellow, Network of Conservation Educators and Practitioners, Center for Biodiversity and Conservation, American Museum of Natural History; Yiwei Wang , Postdoctoral Fellow, Save the Elephants	
	Expanding Your Teaching Toolbox: An Introduction to Active and Scientific Teaching Approaches (RGGS Lecture Hall - 5 th Floor, 180 min.)	Led by: Ana Luz Porzecanski , Director, Center for Biodiversity and Conservation, American Museum of Natural History; Martha Groom , Professor of Ecology and Environmental Studies, University of Washington Bothell & Seattle	
	What am I Going to Do with the Rest of my Life?! Exploring Careers in Conservation (Kaufmann Theater, 1st Floor, 180 min.)	Led by: Mary Blair, Assistant Director for Research and Conservation Planning, Center for Biodiversity and Conservation, American Museum of Natural History; Alexandra Sutton, Duke University; Rae Wynn-Grant, Columbia University; Cynthia Malone, Columbia University; Elora Lopez, Columbia University	

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John Cigliano

Professor of Biology and Director of Environmental Conservation, Cedar Crest College

How Can You Best Contribute to Conservation? Insights from Marine Conservation, Citizen Science, and the Liberal Arts

Abstract: Marine biodiversity is in decline because of overfishing, climate change, and ocean acidification. Marine ecosystems are experiencing trophic downgrading, we are eating through the food chain, and the slime is rising. We know this. The question, of course, is what can we do to conserve marine biodiversity? The answer I will explore in this is talk is not about marine protected areas or stronger fishing regulations. Yes, these are perfectly good and effective tools for marine conservation but for graduate students who are looking forward to a life-long career the answer needs to be more personal. How can YOU best contribute to marine conservation, or conservation in general? There are many paths that you can take, some well-travelled, such as research positions at universities, and some less so. The trick is to find the path that suits you best. The purpose of this talk is to present a less-travelled path for consideration: liberal arts colleges and citizen science. I hope to show that these are not only an effective way to contribute to the conservation of biodiversity but also one that can be personally rewarding.

Lekelia (Kiki) Jenkins

Assistant Professor, School of Marine and Environmental Affairs, University of Washington

Keys for Inventing Technologies that Protect the Environment: Lessons from Marine Conservation

Abstract: To solve problems such as bycatch (i.e. the unintended capture of non-target species while fishing), policymakers are increasingly employing marine conservation technology (i.e. a device used to protect organisms and/or habitat). Unfortunately, the invention process is lengthy and often results in commercially impractical technologies. It is also difficult to promote wide-spread, long-term, and proper use of these technologies. To identify features essential for successful invention and adoption, I examined two of the most prominent and controversial case studies in United States maritime history: (1) the use turtle excluder devices in the U.S. shrimp trawl fishery to prevent the death of sea turtles, and (2) the use of dolphin conservation technologies in the U.S. Pacific tuna purse seine fishery to prevent the death of dolphins. The data shows that fishers are highly successful inventors and promoters of conservation technology. The adoptability of a conservation technology is directly linked to how well it meets the needs and desires of the intended users. I present a model of how to integrate the relevant expertise of stakeholders into the research, invention and development processes for conservation technologies. Following this model should help create conservation technologies that are better suited mechanistically and biologically to address the bycatch problem and that will better meet the needs and desires of the users, thus increasing the adoptability of the conservation technology.

Ayana Johnson

Waitt Institute

Dr. Ayana Johnson is the Executive Director of the Waitt Institute, a non-profit endeavoring to ensure ecologically, economically, and culturally sustainable use of ocean resources. As a marine biologist, she travels the world on a mission to collect, create, actualize, and amplify the best ideas in ocean conservation. Dr. Johnson also leads the Waitt Institute's Blue Halo Initiative, a new collaboration with the people of Barbuda to zone the island's waters and overhaul their fisheries management strategy. She is developing a model for this community-driven approach, and will lead the Waitt Institute in replicating similar comprehensive ocean management initiatives around the Caribbean and the world. Ayana holds a Ph.D. in marine biology from Scripps Institution of Oceanography.

(IN ALPHABETICAL ORDER BY PRESENTER'S LAST NAME)

Katrina Alger

State University of New York College of Environmental Science and Forestry Diagnosing lymphoproliferative disease virus in wild

turkeys (Meleagris gallopavo)

Michael Allen

Rutgers University Grassland bird persistence in active hayfields: using refugia to mitigate nest losses

Gregory Barord

City University of New York, Graduate Center and Brooklyn College

Three years of conservation research in a NAUT shell

Mariya Chechina

University of Alberta Social preference versus ecological suitability of native trees used for afforestation

David Chiawo

Rhodes University Avian frugivore and pollinator composition in changing land use systems

Adrienne Chitayat

Antioch University New England Living in a fragment: the behavioral ecology of chimpanzees in Cyamudongo, Rwanda

Radhika Dave

University of Southampton How does forest cover change affect flood risk for farmers in Madagascar?

Monica Davis

University of Massachusetts Amherst The black oak gall wasp (Callirhytis ceropteroides) on Cape Cod and Martha's Vineyard

Caio Cesar De Araujo Barbosa

University of Southampton State and transition in the availability of ecosystem services in the Amazon Delta

Alexandra Decandia

Columbia University

Method for Noninvasive Sex Identification of Carnivores

Caroline Devan

New Jersey Institute of Technology Efficacy of deer exclosures as conservation tool for bee communities

Erin Dimech

Columbia University Segmented filamentous bacteria within the gut microbiota of wild mice

Stephanie Dowell

Fordham University Phylogeography of the widespread Nile Monitor, Varanus niloticus

Maya Drzewicki

Science Research Mentoring Program, American *Museum of Natural History* Population Ecology of Chrysemys picta and Chelydra serpentina at Black Rock Forest in Cornwall, New York

Antonieta Eguren

University of Florida Factors influencing perceptions of parks and wildlife in South African communities

Diana Emang

University of Copenhagen Top SCUBA diving destination, what is the value? The case of Sipadan, Borneo

Arden Feil

Science Research Mentoring Program, American *Museum of Natural History* The secret life of bog turtles: A natural history study of nesting ecology

Olivia Ferrari

University College London **Drivers of Recent Population Trends in UK Bats**

Anna Filyushkina

University of Copenhagen
Multiple ecosystem services in forest management:
How do they fit?

Kathryn Fiorella

University of California, Berkeley
Human Health and the Environment: How does
fisher morbidity affect fishing methods?

Christina Frare

Fordham University

A century of genetic change in chipmunk species in the Lake Tahoe Basin, California

Rebecca Fuda

State University of New York College of Environmental Science and Forestry
Assessing impacts to primary productivity at the

Abigail Golden

Columbia University

human-park interface

Harnessing Fijian fishermen's ecological knowledge for community-based conservation

Dylan Graham

Pleasantville High School
Aquatic macroinvertebrate diversity upstream/
downstream of three road runoff points

Suziana Hassan

University of Copenhagen Conservation of wetland: Value estimation using Choice Experiment

Karla Gabriela Hernandez Aguilar

Colorado State University
Wildlife management strategies and change in traditional ecological knowledge

Jacqueline Kariithi

University of Cape Town

Ecosystem Management approach for responsible nature based tourism: Mt. Elgon region

Alison Klein

Science Research Mentoring Program, American Museum of Natural History Feeding ecology of sympatric jaguars and pumas in Fireburn Nature Reserve, Belize

Meghna Krishnadas

Yale School of Forestry and Environment Studies
Habitat classification and environmental niches of
trees along landscape-scale gradients in the Western
Ghats

Evan Kwityn

Rutgers University

Priority effects in commercial traps for black sea bass (*Centropristis striata*)

Jonathan Lai

Hunter College High School
Millipedes take manhattan: Range expansion of
Boraria stricta into New York

Tami LaPilusa

State University of New York - Oneonta Microsatellite genetic marker development for gecarcinid land crabs in The Bahamas

Jane Li

Skidmore College
Scaling bioeroder body size with coral erosion rates

Suzanne Macey

Fordham University

The nesting ecology of the critically endangered bog turtle (*Glyptemys muhlenbergii*)

Amanda Martin

Carleton University

A positive relationship between mobility and habitat specialization in bird species

Ashley Massey

University of Oxford

Forests and well-being in Japan: The relationship between forest area and overwork

Amy McDermott

Columbia University

Community assembly of coral reef fishes along the Melanesian biodiversity gradient

Tara Meyer

Yale School of Forestry and Environmental Studies Estimating snow leopard (Panthera uncia) density and distribution in Tajikistan

Julia Monk

Virginia Polytechnic Institute and State University
Effects of fire on greater sage-grouse brood rearing
habitat and food resources

Asia Murphy

Virginia Polytechnic Institute and State University Estimating fossa (Cryptoprocta ferox) density in Makira, northeastern Madagascar

Florence Nyiawung Ngueiwoh

Katholieke Universiteit Leuven
Rethinking youth capacity in forest governance: The case of Wabane, Cameroon

Elizabeth Penney

University of Waterloo In the eye of the beholder: Perceptions of ecotourism in Algonquin Provincial Park

Isabel Porto Hannes

University at Buffalo

Blurred lines in conservation: Freshwater mussels gene flow and species boundaries

Esther Quintero

CONABIO

A statistical assessment of risk status for Mexican amphibians

Rebecca Raffo

Mianus River Gorge / Somers High School Effects of invasive earthworms on plant abundance and diversity in a northeast forest

Giuliana Sanchez Samaniego

Universidad Peruana Cayetano Heredia Between "progress" and tradition: Changes in the Awajun traditional food system

Dylan Scott

City University of New York

Quantifying ecological degradation of fragmented forest edges in the Philippines

Lara Seren

High School for Mathematics, Science, and Engineering at the City College of New York
Estimating the population density of white-tailed deer in Pelham Bay Park, Bronx

Sheherazade Sheherazade

University of Indonesia

Flying fox conservation framework in North Sulawesi

Jessica Stitt

Columbia University

Applying adaptive network theory to spatial patterns of biodiversity in the Amazon

Kristofer Taylor

Austin College

Temporal gland streaming patterns in African elephants (*L. africana*) within TME, TZ

Michael Tessler

Richard Gilder Graduate School

The impact of bouldering on boulder-associated vegetation

Kaia Tombak

Wildlife Conservation Society Canada
Brain size and female aggression across primate species

John Vanek

Hoftra University

Ecology of a listed snake species on a popular tourist beach

Peter Wilfahrt

University of North Carolina at Chapel Hill
Disturbances shift functional trait diversity across US temperate forests

Amy Wray

Columbia University
Estimating viral diversity in the common vampire bat (Desmodus rotundus)

Tess Youker

State University of New York College of Environmental Science and Forestry
Environmental factors affecting ranavirus prevalence in aquatic-breeding amphibians

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Mary Blair

Center for Biodiversity and Conservation, American Museum of Natural History

Marci Bortman

The Nature Conservancy

Adriana Bravo

Center for Biodiversity and Conservation, American Museum of Natural History

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Columbia University

Kate Christen

Smithsonian-Mason School of Conservation

John Cigliano

Cedar Crest College

Alan Clark

Fordham University

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Center for Biodiversity and Conservation, American Museum of Natural History

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University of the West Indies

Dawn Fletcher

Great Basin Bird Observatory

John Flynn

Richard Gilder Graduate School

James Gibbs

State University of New York College of Environmental Science and Forestry

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Catherine Graham

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Martha Groom

University of Washington-Bothell

Evon Hekkala

Fordham University

Katherine Holmes

Wildlife Conservation Society

Henry Horn

Princeton University

Lekelia (Kiki) Jenkins

University of Washington

Bruce Jennings

Center for Humans and Nature

David Johns

Portland State University

Ayana Johnson

Waitt Institute

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The Hastings Center

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AMERICAN MUSEUM & NATURAL HISTORY

CENTER FOR BIODIVERSITY AND CONSERVATION

The Center for Biodiversity and Conservation (CBC) at the American Museum of Natural History was established in 1993 in response to concern among its scientists over rapid species loss and increasing ecosystem degradation around the world, and to leverage Museum resources to heighten public understanding and stewardship of biodiversity. Entering its third decade, the CBC transforms knowledge into conservation action through pioneering multidisciplinary collaborative research, capacity development, and by convening and connecting key actors. The CBC has developed a distinctive approach, fostering cocreative processes with strategic partners across all of our programs and projects. CBC staff members, including multiple conservation scientists and outreach specialists, work closely with communities and local partners to establish common goals and research priorities; design, implement, evaluate, and adaptively manage model conservation programs; and share results with people facing similar challenges. Thus our work spans the full cycle of conservation action, connecting diverse perspectives and sources of knowledge to conservation problems and solutions.

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