

PROFESSIONAL AFFILIATIONS OF PROGRAM ALUMNI: 1978-PRESENT

If anyone knows the whereabouts of any alumni whose address is listed as unknown or if any information is not current, or if anyone was inadvertently left off this list, please contact Marsha Morin to update the data.

2019 Ph.D.

Molly Bindell

Dissertation title: "Diversity of arbuscular mycorrhizal fungi associated with switchgrass in the New Jersey Pine Barrens ecosystem"
Advisor: Dr. Ning Zhang

Oliver Stringham

Postdoctoral Fellow
University of Adelaide, Australia
Dissertation title: "Preventing biological invasions by understanding the processes leading to establishment "
Advisor: Dr. Julie Lockwood

2018 Ph.D.

Jennifer Blake

Post-Doctoral Fellow
Princeton University
Dissertation title: "Time for a change: causes and consequences of sex change in a native maple tree"
Advisor: Dr. Lena Struwe

Daniel Clark

Dissertation title: "Landscape's relation to park use and sets of environmentally responsible behavior among suburban residents"
Advisor: Dr. Rebecca Jordan

Nicholas Lorusso

Lecturer
Rider University and Rutgers University
Dissertation title: "Consequences of an inducible defense in *Chlamydomonas reinhardtii*"
Advisor: Dr. Peter Morin

Jason Morson

Laboratory Researcher
Haskin Shellfish Research Lab
Rutgers University
Dissertation title: "Understanding the ecological processes that drive patterns in fishery selectivity and survey catchability"
Advisor: Dr. Daphne Munroe

Rachel Paseka

Post-Doctoral Associate

University of Minnesota – Minneapolis

Dissertation title: Linking host-parasite interactions and ecosystem processes with energy and elements

Advisor: Dr. Peter Morin

Julia Perzley

Environmental Specialist

NJ Department of Transportation

Dissertation title: "A comparison of post-industrial brownfield and old-field plant communities: How site history shapes current patterns of diversity"

Advisor: Dr. Claus Holzapel

Lauren Poster

Lecturer

College of New Jersey

Dissertation title: "Niche release through polyploid formation in highbush blueberries (*Vaccinium corymbosum* L.)"

Advisor: Dr. Steven Handel

Samantha Schwab

Science Teacher

Rutgers Preparatory School

Dissertation title: The role of (meta)population dynamics in the control of invasive mosquitoes and the pathogens they transmit

Advisor: Drs. Nina Fefferman and Peter Morin

Elizabeth (Bethanne) Socolar

Post-Doctoral Associate

University of Minnesota – Minneapolis

Dissertation title: "Bee foraging choice and implications for plant coexistence".

Advisor: Dr. Rachael Winfree

Rafael Valentin

Presidential Postdoctoral Research Fellow

Princeton University

Dissertation title: "The effects of invasion dynamics on post-establishment evolution, global spread, and population detectability".

Advisor: Dr. Julie Lockwood

Amanda Wenczel

Aquaculture Development Specialist

N.J. Department of Agriculture

Dissertation title:

"Bivalve shellfish filtration and aquaculture policy: Towards a greater understanding of multispecies ecosystem services and a blueprint for improving domestic estuarine production"

Advisor: Dr. David Bushek

2018 MS

Stephanie Kealy

Adjunct Instructor
Brookdale Community College
Advisor: Dr. Rebecca Jordan

Joseph Rua

Institutional Research Analyst
Ocean County College
Thesis Title: "Exploration of Faro Freestyle 3D Laser Scanners as a Method for Estimating Surface Fuel Loading for Wildland Fire Management"
Advisor: Dr. JeanMarie Hartman

2017 Ph.D.

Margaret Conroy

Actuarial Consultant
Dissertation title: A landscape integrity method for determining tradeable credits as the basis for conservation banking
Advisor: Dr. Richard Lathrop

Cara Faillace

Post-Doctoral Fellow in Experimental Aquatic Ecology
CNRS Experimental and Theoretical Ecology Station at Moulis
Moulis, France
Dissertation Title: Invasions and Diversity: Mechanisms, Microbes, and Multiple Scales
Advisor: Dr. Peter Morin

Michael Gallagher

Research Technician and Site Supervisor
U.S. Forest Service
Dissertation title: "Monitoring Wildland Fire Effects with Burn Severity Indices in the New Jersey Pinelands"
Advisor: Dr. Jason Grabosky

Nicholas Henshue

Clinical Assistant Professor
University of Buffalo
Dissertation title: "Effects of Earthworms on Post-Industrial Polluted Soil Remediation"
Advisor: Dr. Claus Holzapfel

Natalie Lemanski

Postdoctoral Researcher
University of California. Los Angeles
Dissertation title: "A Quantitative Framework for Investigating Life History Trade-offs in Social Insects."
Advisor: Dr. Nina Fefferman

Amanda Sorensen

Post-doctoral Associate
School of Natural Resources
University of Nebraska, Lincoln

Dissertation title: Framing in Science Communication: Influencing the Publics' Behavior Towards the Environment

Advisor: Dr. Rebecca Jordan

2017 M.S.

Allison Anholt

Program Manager
University of Utah

Thesis title: Using evidence to explore broad trends in nest fate assessments of threatened Piping Plovers

Advisor: Dr. Richard Lathrop

Matthew Strom

Advisor: Dr. Cesar Rodriguez-Saona

2016 Ph.D.

Ashley DeNegre

Medical Communications
Ogilvy Commonwealth

Dissertation title: Antibiotic Resistance Among the Aids-Immunocompromised: A model of its Influence on Microbial Evolution

Advisor: Dr. Nina Fefferman

Tina Harrison

Post-Doctoral Associate
University of California, Davis

Dissertation Title: "Biotic homogenization in bee communities across spatial scales"

Advisor: Dr. Rachael Winfree

Natalie Howe

Weed Ecologist
USDA

Animal and Plant Health Inspection Service
Biotechnology Regulatory Services
Riverdale, MD

Dissertation title: Soil Lichen Communities of the New Jersey Pinelands and their Effects on Belowground Patterns and Processes.

Advisor: Dr. John Dighton

Katalin Malcolm

Assistant Research Professor
Manager, Pinelands Field Station
New Lisbon, NJ

Dissertation title: Effects of Mercury on Phylloplane Fungi

Advisor: Dr. John Dighton

Molly MacLeod

Senior Manager, Science Content
Pfizer

New York, NY

Dissertation title: How do species abundance distributions influence plant – pollinator networks?

Advisor: Dr. Rachael Winfree

Nicholas Pollock

Lecturer

Department of Biology

University of Texas, Arlington

Dissertation title:

Advisor: Dr. Henry John-Alder

James Vasslides

Program Scientist

Barneгат Bay Partnership

Toms River NJ 08754

Dissertation title: Using Ecosystem Models to Understand the Faunal Response to Non-Trophic Impacts in an Estuarine Ecosystem.

Advisor: Dr. Olaf Jensen

Talia Young

David H. Smith Conservation Research Fellowship

Princeton University

Princeton NJ

Dissertation title: You are More Than What You Eat: Using Biomarkers to Investigate Aquatic Trophic Dynamics at Multiple Scales.

Advisor: Dr. Olaf Jensen

2016 M.S.**Eden Buenaventura**

Geographical Information System Specialist

New Jersey Department of Environmental Protection

Advisor: Dr. Richard Lathrop

Joshua Echols

Advisor: Steven Handel

Alexis Kleinbeck

Noxious Weed Specialist, Region 8

Noxious Weed Control Program

King County Washington

Seattle, Washington

Advisor: Dr. Steven Handel

Karen Leu

Geographical Information System Specialist

The Nature Conservancy, New York

Thesis Title: Composite Datasets Facilitate Large Scale Conservation Planning: Application of a Regional Distribution Model to Protect an Imperiled Turtle

Advisor: Dr. Brooke Maslo

Taryn Pittfield

Thesis title: Habitat Use and Response of Freshwater Turtles to Human Presence in an Urban Canal of Central New Jersey

Advisor: Dr. Joanna Burger

2015 Ph.D.**Faye Benjamin**

Dissertation title: Wild bees for agriculture and agriculture for wild bees a view from New Jersey

Advisor: Dr. Rachael Winfree

Curtis (John Curtis) Burkhalter

Data Scientist

Mercedes-Benz USA

Dissertation title: Decision making in ecology and its applications to animal conservation

Advisor: Dr. Julie Lockwood

Jeremy Feinberg

Conservation and Restoration Specialist

NYC Department of Parks and Recreation

and

Smithsonian Institution Senator Daniel Patrick Moynihan Fellow

National Museum of Natural History and the National Zoological Park

Dissertation title: An Unexpected Journey: Anuran Decline Research and the Incidental Elucidation of a New Cryptic Species Endemic to the Urban Northeast and Mid-Atlantic US.

Advisor: Dr. Joanna Burger

Brian Johnson

Queensland Institute of Medical Research

Mosquito Control Lab

Brisbane, Australia

Dissertation title: Proximal factors driving the local dynamics of West Nile virus transmission

Advisor: Dr. Dina Fonseca

Paul Reiss

Acute Angling

Hillsborough, NJ

Dissertation title: Aspects of the Life History of *Cichla temensis* (Perciformes: Cichlidae) and It's Relationship to the Amazon Basin's Flood Pulse

Advisor: Dr. Ken Able

John Ruppert

Academic EHS Officer

Lab Coordinator and Instructor

Saint Peter's College

Jersey City NJ

Dissertation title: Ecosystem Services in Scientific Literacy: What One Needs to Know in Order to Be Scientifically Literate about Ecosystem Services

Advisor: Dr. Ravit Golan-Duncan

Laura Shappell

Wetland Ecologist
New York Natural Heritage Program
Department of Environmental Conservation
Albany NY

Dissertation title: Urban wetland structure and its relationship to exotic plants, biodiversity, and West Nile virus risk

Advisor: Dr. Lena Struwe

Christopher Zambell

Consultant
National Technical Systems (NTS)
Tinton Falls, NJ

Dissertation title: Common Greenbrier (*Smilax Rotundifolia* L.) as a Model for Understanding Fungal Community Organization in the Phyllosphere

Advisor: Dr. James White.

2015 M.S.**Daniel Betz**

Forestry Research Technologist
University of Nebraska, Lincoln
Advisor: Dr. Rebecca Jordan

Melissa Czinn

Environmental Educator
Cora Hartshorn Arboretum and Bird Sanctuary
Short Hills, NJ
Advisor: Dr. David Ehrenfeld

Sean Griffin

Continued to PhD program at North Carolina State University
Thesis title: Wild bee community change over a 26 year chronosequence of restored tallgrass prairie
Advisor: Dr. Rachael Winfree

Christina Haskins

Senior Engineering Assistant II
Physical Oceanography
Woods Hole Oceanographic Institute
Woods Hole, MA
Advisor: Dr. Oscar Schofield

Jenny Paterno

Program Coordinator II
Haskin Shellfish Research Lab
Port Norris, NJ
Thesis title: Faunal community use of enhanced and natural oyster reefs in Delaware Bay a field study and classroom inquiry
Advisor: Dr. David Bushek

Cameron Pineiro

Technical Problem Solver
Epic Computer Software
Verona, WI
Advisor: Dr. Michael Sukhdeo

Sarah Stewart

Environmental Educator
New Jersey Sea Grant Consortium
Advisor: Dr. Rebecca Jordan

2014 Ph.D.**Kevin Aagaard**

Spatial Ecologist
Colorado Division of Parks and Wildlife
Fort Collins, CO
Dissertation title: The population dynamics of lag phases and collapses
Advisor: Dr. Julie Lockwood

Brian Clough

Biometrician
SilviaTerra
Dissertation title: Bayesian approaches for mapping forest soil carbon: addressing spatial uncertainty
Advisor: Dr. Edwin Green

Jean Deo

Senior Advisor – Pre-Health Advising
Brandeis University
Dissertation title: Mixed species nesting associations in a northeastern deciduous forest
Co-Advisors: Dr. Peter Morin and Dr. Rick Ostfeld

Andrea Egizi

Research Scientist
Monmouth County Tick-Borne Disease Laboratory
Monmouth County Division of Mosquito Control
Center for Vector Biology
Rutgers University
Dissertation title: Ecological and evolutionary determinants of invasion success in mosquitoes
Advisor: Dr. Dina Fonseca

Bradford Greening

Health Scientist
Center for Disease Control
Division of Preparedness and Emerging Infections, Health Economics and Modeling Unit
Atlanta, GA
Dissertation title: Higher-order analysis of knowledge capacity and learning potential in social animal groups
Advisor: Dr. Nina Fefferman

Orin (Robbie) Robinson

Post Doctoral Fellow
Cornell Lab of Ornithology
Cornell University

Dissertation title: Simple modeling solutions for complex conservation problems
Advisor: Dr. Julie Lockwood

Alicia Shenko

Assistant Professor
Animal Biotechnology and Conservation
Policy Studies
Delaware Valley College
Doylestown PA

Dissertation title: The influence of small mammals on succession and restoration of post-agricultural wetlands: species assembly and diet composition
Advisor: Dr. Rebecca Jordan

2014 M.S.

Joanna Jorge

Adjunct Professor
Department of Biology
Kean University
Advisor: Dr. Rebecca Jordan

Kathleen Kerwin

Research Technician
Rutgers University
Advisor: Dr. John Dighton

Dean Lyon

Instructor
United States Army
Thesis title: The effects of coccoliths on photosynthesis in *Emiliana Huxleyi*
Advisor: Dr. Paul Falkowski

2013 Ph.D.

Julian Avery

Assistant Research Professor
Curator; ESM Natural History Collection
Department of Ecosystem Science and Management
Pennsylvania State University
State College, PA
Dissertation title: Cryptic introductions and geographical patterns in bird color [electronic resource]: implications for the study of evolutionary divergence
Advisor: Dr. Julie Lockwood

Wesley Brooks

Legislative Assistant
Office of Senator Marco Rubio
Washington, D.C.

Dissertation title: Factors affecting the community invasibility of tropical dry forests and the implications for ecological restoration

Advisor: Dr. Rebecca Jordan

Lea Johnson

Assistant Professor
Department of Plant Science and Landscape Architecture
College of Agriculture and Natural Resources
University of Maryland
College Park, Maryland

Dissertation title: Long-term outcomes of ecological restoration and management in urban forest patches

Advisor: Dr. Steven Handel

Linda Rohleder

Director of Land Stewardship
NY-NJ Trail Conference

Dissertation Title: The vertical dimension of deer browse effects on forest understories

Advisor: Dr. Claus Holzzapfel

Elena Tartaglia

Assistant Professor
Bergen County Community College
Paramus, NJ

Dissertation title: Hawkmoth-flower interactions in the urban landscape: Sphingidae ecology, with a focus on the genus *Hemaris*

Advisor: Steven Handel

2013 M.S.**Michael Garzio**

Middle School Science Teacher
Crockett Middle School
Hamilton, NJ

Advisor: Dr. Oscar Schofield

Suzanne Rose

Visiting Professor
University of Nebraska
PhD University of Nebraska 2015

Thesis title: Isolation and characterization of lipid rafts in *Emiliana huxley* [electronic resource] : key players in host-virus interactions

Advisor: Dr. Kaye Bidle

Lauren Spitz (Poster)

Continued on to Ph.D. in E&E

Thesis title:

Advisor: Dr. Lena Struwe

Michele Talmadge (Gandy)

GIS Specialist
Brandywine Conservancy and Museum of Art
Chadds Ford, PA,
Advisor: JeanMarie Hartman

2012 Ph.D.

Aspassia (Aspa) Chatziefthimiou

Visiting Research Scientist
Department of Microbiology and Immunology
Weill Cornell Medicine - Qatar
Education City, Doha, Qatar
Dissertation title: The Effect of Long-Term Mercury Contamination on the Composition and Diversity of Soil Bacterial Communities in Riverine Ecosystems
Advisor: Dr. Tamar Barkay

Zachary Freedman

Associate Professor of Environmental Microbiology
Division of Plant and Soil Sciences
West Virginia University
Morgantown, WV
Dissertation title: Microbially Mediated Mercury Detoxification in Geothermal Environments: Interactions of Aquificae with Mercury, and Evidence for Phylogenetic Niche Conservatism in Yellowstone National Park Hot Springs.
Advisor: Dr. Tamar Barkay

Inga La Puma

Science Communication Director
North Atlantic Fire Science Exchange, Northeast Forest Fire Protection Compact
West Cape May, NJ
Dissertation title: Fire in the Pines: A Landscape Perspective Of Human-Induced Ecological Change in the Pinelands of New Jersey
Advisor: Dr. Richard Lathrop

Carolyn (Carrie) Norin

High School Biology Teacher
Princeton Country Day School
Dissertation title: Appropriate Plant Genotypes for Urban Ecological Restoration: An Investigation Into Urban Stress Response
Advisor: Dr. Steven Handel

Monica Palta

Assistant Professor
Department of Environmental Studies and Science
Pace University
Dissertation title: The Little Wetlands That Could: Nitrogen Removal Function (and Dysfunction) in Urban Brownfield Ecosystems
Co-Advisors: Drs. Joan Ehrenfeld and Peter Groffman

Ileana Perez- Rodriguez

Assistant Professor and Elliman Faculty Fellow
Department of Earth and Environmental Sciences
University of Pennsylvania

Dissertation title: Microbial ecology of deep-sea hydrothermal vents: physiology and cell-to-cell communication in anaerobic chemosynthetic bacteria.

Advisor: Costantino Vetriani

Wayne Rossiter

Assistant Professor of Biology
Waynesburg University
Waynesburg PA.

Dissertation title: Impacts of space, abundance and food web structure on parasite life cycles.

Advisor: Dr. Michael Sukhdeo

Jessica Sanders

Director of Technical Services and Research
Casey Trees
Washington, DC

Dissertation title: Defining and measuring success in the urban forest

Advisor: Dr. Jason Grabosky

Holly Vuong

Programs Officer
National Youth Science Forum
Canberra, Australia

Dissertation title: Ecological correlates of genetic diversity in *Borrelia burgdorferi*, the Lyme disease bacterium

Co-advisors: Dr. Peter Morin and Dr. Richard Ostfeld

2012 M.S.

Denise Hewitt

Thesis Title:

Advisor: Dr. Gareth Russell

Joshua Moody

Senior Restoration Coordinator
Partnership for the Delaware Estuary
PhD; Drexel University 2017

Thesis title: The relationship between the ribbed mussel *Geukensia demissa* and salt marsh shoreline erosion

Advisor: Dr. David Bushek

David Smith

Teaching Instructor
Department of Landscape Architecture
Rutgers University

Thesis title: Succession dynamics of Pine Barrens riverside savannas: a landscape-survey approach

Advisor: Dr. Richard Lathrop

2011 Ph.D.

Aabir Banerji

Ecologist

Ecosystem Integrity Branch

US Environmental Protection Agency

Cincinnati, OH

Dissertation title: Ecology of the Inducible Trophic Polymorphism of *Tetrahymena vorax*

Advisor: Dr. Peter Morin

Sharron Crane

Teaching Instructor

Department of Biochemistry and Microbiology

Rutgers University

Dissertation title: Mercury effects on axenically grown fungal isolates, and on *Pinus rigida* seedlings and their rhizosphere fungal communities

Advisor: Dr. Tamar Barkay

Joanne Harvey

Statistical Consultant

Janssen Pharmaceuticals

Raritan, NJ

Dissertation title: Using Bayesian Regression Tree Models and Remotely Sensed Data to Characterize Recent Environmental Change in Alaska, USA

Advisor: Dr. Edwin Green

David Mellor

Project Manager/Community

Center for Open Science

Charlottesville, Virginia

Dissertation title: Sexual selection among the Mbuna cichlids and the effect of a small class intervention on at-risk undergraduate students

Advisor: Dr. Rebecca Jordan

Nicholas Skowronski

Research Forester

USDA Forest Service

Climate, Fire and Carbon Cycle Sciences

Morganville, WV

Dissertation title: Quantifying Three-Dimensional Vegetation Structure and its Responses to Disturbances using Laser Altimetry in the New Jersey Pinelands

Advisor: Dr. Ming Xu

Maria Stanko

Lecturer

New Jersey Institute of Technology

Dissertation title: Structure and dynamics of a highly-invaded plant-pollinator network

Advisor: Dr. Peter Morin

2011 M.S.

Colleen Conover

Environmental Scientist

Langan Engineering

Advisor: Dr. Joanna Burger

Emma Green-Beach

Assistant Biologist and Special Projects Manager
Martha's Vineyard Shellfish Group, Inc..
Vineyard Haven, MA

Thesis title: Dermo disease on Martha's Vineyard: Infections of *Perkinsus marinus* and its influence on population structure, assessed by microsatellite markers
Advisor: Dr. David Bushek

Brian Johnson

Continued to Ph.D. program in Ecology and Evolution

Thesis title: The impacts of urban wetlands on mosquito population dynamics and disease risk at the local scale

Advisor: Dr. Michael Sukhdeo

Sarah Pena

Middle School Science Teacher
Willow School
Gladstone, NJ

Advisor: Dr. Joan Ehrenfeld

2010 Ph.D.**Allison Candelmo**

Researcher
Central Caribbean Marine Institute
Cayman Islands

Dissertation title: Responses of young of the year bluefish, *Pomatomus saltatrix*, exposed to contaminants from an urban estuary

Advisor: Dr. Joanna Burger

Kenneth Elgersma

Assistant Professor
Department of Biology
University of Northern Iowa
Cedar Falls IA

Dissertation title: Community-level and ecosystem-level consequences of plant-soil feedbacks during forest understory plant invasion

Advisor: Dr. Joan Ehrenfeld

Alexander Felson

Associate Professor
School of Forestry and Landscape Architecture
Yale University

Dissertation title: Suburbanization and amphibians: designed ecological solutions

Advisor: Dr. Steward T.A. Pickett

Steven Gray

Assistant Professor
Department of Community Sustainability
Michigan State University
East Lansing, MI

Dissertation title: [Integrating stakeholder knowledge into the management of a social-ecological system: Mental models, risk, and trust in Atlantic coast fisheries](#)

Advisor: Dr. Rebecca Jordan

Amy Karpati

Director of Science and Programs
Teatown Lake Reservation in Ossining, NY
Dissertation title: Ectomycorrhizal communities and ecological restoration:
status and performance in urban conditions
Advisor: Dr. Steven Handel

David La Puma

Director
Cape May Bird Observatory
Cape May NJ
Dissertation title: Come hell or high water: conservation of the federally endangered Cape Sable
seaside sparrow (*Ammodramus maritimus mirabilis*) in the dynamic Florida Everglades
Advisor: Dr. Julie Lockwood

Brooke Maslo

Assistant Professor
Department of Ecology, Evolution, and Natural Resources
Rutgers University
Dissertation title: Evidence-based recommendations for Atlantic Coast piping plover (*Charadrius
melodus*) conservation and habitat restoration
Advisor: Dr. Steven Handel

Blake Mathys

Associate Professor of Environmental Science and
Department Head
Ohio Dominican University
Columbus OH
Dissertation title: Morphological evolution of birds recently introduced to islands: patterns of
diversification
Advisor: Dr. Julie Lockwood
<http://blakemathys.com>

Kirsten Schwarz

Associate Professor
Director, Ecological Stewardship Institute
Department of Biological Sciences
Northern Kentucky University
Highland Heights, KY
Dissertation title: The spatial distribution of lead in urban residential soil and correlations with
urban land cover of Baltimore, Maryland
Advisor: Dr. Steward T.A. Pickett

Yufei Wang

Research Associate
People's Republic of China
Dissertation title: Climate change and its ecological and social-economic impact-evidences from
China's historical documents
Advisor: Dr. Ming Xu

Ai Wen

Adjunct Professor
University of Northern Iowa
Cedar Falls IA
Dissertation title:
Co-advisors: David and Joan Ehrenfeld

2010 M.S.

Jessica Cummings

Environmental Specialist for the Greenman-Pedersen
Annapolis MD
Advisor: Steven Handel

Karena DiLeo

US Fish and Wildlife Service
Thesis title: An assessment of the correlation between amphibian populations, chytridiomycete communities, and the ecological integrity of the habitat
Advisor: Dr. Joanna Burger

Christen McCoy Drescher

Biology Teacher
East Brunswick High School
East Brunswick NJ
Advisor: Michael Sukhdeo

Cara Faillace

Continued in E&E Ph.D. program
Thesis title: Snowy Plovers (*Charadrius alexandrinus*) exhibit variable response to human disturbance on two islands in Southwest Florida
Advisor David Ehrenfeld

Scott Haag

GIS/Database Manager
The Reinvestment Fund
Thesis title: Distributional change in seagrass as an ecological indicator of estuarine health for Barnegat Bay, Little Egg Harbor, New Jersey
Advisor Rick Lathrop

William Lynch

Events & Outreach Coordinator
New Jersey Conservation Foundation
Advisor: Dr. Julie Lockwood

Craig Ruzicki

Ecologist
U.S. Army, WestPoint
Advisor: Joan Ehrenfeld

Jay Turnure

Horizon Residential Energy Services
Portland, ME
Thesis title: Estuarine habitat ecology of adult weakfish (*Cynoscion regalis*):
A multi-scale approach using acoustic telemetry
Advisor: Kenneth Able

2009 Ph.D.

Patricia Alvarez

Project Manager – Peru

TEAM Network, CI

Manu National Park

Cocha Cashu, Peru

Post-doctoral Associate

Duke University

Dissertation title: The role of pathogens in determining plant recruitment and distribution patterns in a western Amazonian floodplain.

Advisor: Dr. James White

Tavis Anderson

ORISE Research Scientist

Virus and Prion Research Unit

National Animal Disease Center

USDA

Ames, Iowa

Dissertation title: Food web networks and parasite diversity.

Advisor: Michael Sukhdeo

Benjamin Baiser

Assistant Professor

Department of Wildlife Ecology and Conservation

University of Florida

Gainesville, FL

Dissertation title: Biodiversity in a rapidly changing world: from local interactions to large scale patterns.

Advisor: Julie Lockwood

Kyle Bennett

Associate Professor

Elmhurst College,

Elmhurst IL.

Dissertation title: Genetic and morphological discrimination of species within the nominal *Brachidontes exustus* (*Mollusca: Bivalvia*) cryptic species complex from the Florida Keys

Advisor: Richard Lutz

Gregory Dahle

Associate Professor of Arboriculture

Division of Forest & Natural Resources

West Virginia University

Dissertation title: How the hydraulic and mechanical properties of wood influence branch form in Norway Maple (*Acer platanoides* L.)

Advisor: Dr. Jason Grabosky

Domenic D'Amore

Associate Professor

Department of Biology

Daemen College, Amherst NY

Dissertation title: A functional, behavioral, and taphonomic analysis of ziphodont dentition: novel methodology for the evaluation of carnivorous dinosaur feeding paleoecology.

Advisors: Drs. Kathleen Scott and George McGhee

William Landesman

Associate Professor
Green Mountain College
Poultney, VT

Dissertation title: The effects of changing precipitation patterns on soil microbial communities and nitrogen cycling in the New Jersey Pinelands.

Advisor: Dr. John Dighton

Stacey Lettini

Associate Professor
Gwynedd-Mercy University
Gwynedd Valley, PA.

Dissertation title: Parasites and ecosystem energy flow.

Advisor: Dr. Michael Sukhdeo

Jeanmaire Molina

Assistant Professor of Biology
Long Island University
Brooklyn campus

Dissertation title: Evolution, pollination biology, and biogeography of *Leea* (Leeaceae, Vitales.)

Advisor: Dr. Lena Struwe

Alison Seigel (Nurok)

Associate in Science in Biology and Instructor
Middlebury College, Middlebury VT

Dissertation title: Maximizing the effectiveness of grassland management for a grasshopper sparrow metapopulations.

Advisor: Dr. Julie Lockwood

Lauren Spearman

Peter Buck and Virginia Purdy Bacon Fellowships
National Museum of Natural History
Smithsonian Institution
Washington DC

Dissertation title: Studies in the taxonomy and biodiversity of South African orthopteroids

Advisor: Dr. Michael May

Joseph Stout

Lecturer
Department of Natural Sciences
Fairleigh Dickinson University. Metro campus

Dissertation title: [Compensatory partitioning of physiological resource budgets by the grass shrimp \(*Palaemonetes pugio*\) in association with contaminants encountered in a marsh creek system.](#)

Advisor: Dr. Gary Taghon

2009 M.S.**Suzanne DeCoursey**

Advisor: Dr. Rebecca Jordan

Christina Kisiel (Davis)

Senior Environmental Specialist
Endangered and Non-Game Species Program
NJ Department of Environmental Protection
Trenton, NJ

Thesis title: The spatial and temporal distribution of piping plovers in New Jersey: 1987-2007.
Advisor: Dr. Joanna Burger

Kathleen McCarthy

NYC Parks Department

Thesis title: Source-sink dynamics of anurans in stormwater basins of New Jersey's coastal plain.
Advisor: Dr. Rick Lathrop

Kris Schantz

Senior Biologist
Endangered and Non-Game Species Program
NJ Department of Environmental Protection
Trenton, NJ

Thesis title: Characterization of landscape-scale habitat use by timber rattlesnakes (*Crotalus horridus*) within the ridge and valley and highlands regions of New Jersey.

2008 Ph.D.

Shannon Galbraith-Kent

Full Professor and Chair
Department of Biology
Thomas More College
Crestview Hills, Kentucky

Dissertation title: Effects of experimental invasive communities on forest dynamics.
Advisor: Dr. Steven Handel

Frank Gallagher

Assistant Professor
Department of Landscape Architecture
Rutgers University

Dissertation title: The role of soil metal contamination in the vegetative assemblage development of an urban brownfield.
Advisor: Dr. Jason Grabosky

Dale Haroski

Science Advisor to the Office of Public Affairs
U.S. Environmental Protection Agency
Washington DC

Dissertation title: The ecology of contaminant exposure in *Uca pugnax* (Smith): Physiological, reproductive, and behavioral sublethal effects.
Advisor: Dr. Gary Taghon

Matthew Kimball

Assistant Director
Marine Field Laboratory
Assistant Research Professor
Belle W. Baruch Institute for Marine and Coastal Sciences
University of South Carolina
Dissertation title: Does invasive *Phragmites* affect nekton utilization of internal creeks?
Implications for salt marsh ecology and marsh restoration.
Advisor: Dr. Ken Able

James MacDonald

Fisheries Specialist
New York Seagrant
c/o NYS DEC
47-40 21st St.
Long Island City, NY
Dissertation title: Epibionts, edge effects, and variation in neotropical mangroves as fish habitat.
Advisor: Dr. Judith Weis

Kristi MacDonald

Director of Science
Raritan Headwaters
Bedminster, NJ
Dissertation title: Habitat interactions structuring songbird communities across forest-urban gradients.
Advisor Dr. David Ehrenfeld

Patricia Ramey (-Balci)

Senior Research Scientist
TUBITAK
The Scientific and Technological Research Council of Turkey
Dissertation title: Ecological heterogeneity: explaining the patchy distributions of macrofauna in an ecological contest.
Advisors: Drs Fred and Judith Grassle

Andrew Reed

Dissertation title: Molecular analysis of microbial 16S rRNA, *mcrA*, *dsrAB* and *pmoA* genes From deep-sea hydrothermal vent and cold seep sites.
Advisor: Dr. Richard Lutz
(Deceased)

Kristen Ross

Adjunct Instructor and Research Associate
Biology Program
Environmental Studies Master's Program
Green Mountain College
Poultney, VT 05764
Dissertation title: The effects of soil manipulations on invasion success of two exotic species, Japanese barberry (*Berberis thunbergii*) and Japanese stiltgrass (*Microstegium vimineum*.)
Advisor: Dr. Joan Ehrenfeld

Jonathon Schramm

Associate Professor
Sustainability and Environmental Education Department
Merry Lea Environmental Learning Center
Goshen College
Wolf Lake, Indiana

Dissertation title: Historical legacies, competition and dispersal control patterns of invasion by a non-native grass, *Microstegium vimineum*.
Advisor: Dr. Joan Ehrenfeld

Qaisir Tarique

Dissertation Title: An evaluation of Clam *Amiantis umbonella* (Bivalve) as bio-indicator of heavy metals pollution in Kuwait marine coastal waters.
Advisor: Dr. Joanna Burger

Thomas Virzi

Research Ecologist
Ecostudies Institute

Dissertation title: Effects of urbanization on the distribution and reproductive performance of the American Oystercatcher (*Haematopus palliatus palliatus*) in coastal New Jersey.
Advisor: Dr. Julie Lockwood

2008 M.S.**Thomas Almendinger**

Senior Ecologist
Duke Farms Foundation
Hillsborough NJ
Advisor: Dr. Julie Lockwood

Sean Boyd

Thesis title: An ecological assessment of the non-indigenous isopod, *Synidotea laticadua*, in Delaware Bay.
Advisor: Dr. David Bushek

Jennifer Dore-Terhaar

Advisor: Dr. David Ehrenfeld

Niall Dunne

Communications Manager
Washington Park Arboretum, Seattle
Advisor: Dr. Steven Handel

Erin Esteves

Environmental Scientist
Hatch Mott MacDonald
27 Bleeker Street
Millburn, NJ 07016
Advisor: Karl Kjer

Andrea Kornbluh

Research Associate
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Reno, NV
Advisor: Dr. John Dighton

Ishaani Sen

Senior Program Manager
Global Program Development
Wildlife Conservation Society
Advisor: Dr. David Ehrenfeld

Jaclyn Taylor

Fishery Biologist
National Marine Fisheries Service
Office of Protected Resources
1315 East-West Highway
Silver Springs MD 20910
Thesis title: Evaluation of the ecological value of constructed intertidal oyster reefs and aquaculture structures in Delaware bay: habitat utilization by motile macrofauna
Advisor: Dr. David Bushek

2007 Ph.D.**Myla Aronson**

Assistant Teaching Professor
Rutgers University
Dissertation title: Ecological Change by Alien Plants in an Urban Landscape.
Advisor: Dr. Steven Handel

Celine Santiago Bass

Academic Chair
Science at Purdue University Global
Dissertation Title: Parasite communities and effects on mummichog (*Fundulus heteroclitus*) physiology, anatomy and behavior.
Advisor: Dr. Judith Weis

Teresa Johnson

Associate Professor of Marine Policy
School of Marine Sciences
University of Maine
Orono, ME
Dissertation title: Integrating fisherman and their knowledge in the science policy process: Case studies of cooperative research in the northeastern U.S.
Advisor: Dr. Bonnie McCay

Jennifer Adams Krumins

Associate Professor
Department of Biology and Molecular Biology
Montclair State University
Montclair, NJ
Dissertation Title: The causes and consequences of biodiversity in multitrophic communities.
Advisors: Dr. John Dighton and Dr. Peter Morin

Jennifer Momsen

Associate Professor
Department of Biology
North Dakota State University
Fargo, ND

Dissertation title: A multi-scale approach to reconstructing landscape history in the Great Swamp Wildlife Refuge, Morris County, New Jersey.

Advisor: Dr. JeanMarie Hartman

Dana Price

Associate Professor
Department of Biological Sciences
Salisbury University
Salisbury, MD

Dissertation title: Phylogeny, biogeography and behavior of the dung beetle genus *phanaeus macleay* (coleoptera:scarabaeidae: scarabaeinae.)

Advisor: Dr. Michael May

Emilie Stander

Assistant Professor
Raritan Valley Community College

Dissertation Title: The effects of urban hydrology and elevated atmospheric deposition on nitrate retention and loss in urban wetlands.

Advisor: Dr. Joan Ehrenfeld

2007 M.S.**Jacalyn Toth**

Research Assistant
Tuckerton Marine Lab
Tuckerton NJ

Thesis title: Aspects of the ecology of bottlenose dolphins, *Tursiops truncatus*, in New Jersey.

Advisor: Dr. Kenneth Able

Cristina Frank

Important Bird and Birding Area Coordinator
New Jersey Audubon
Bernardsville, New Jersey 07924

Thesis Title: A comparison of migratory raptor distribution and habitat use at the Cape May Peninsula stopover.

Advisor: Dr. Joanna Burger

Eric Simms

Education/Outreach Specialist
Scripps Institution of Oceanography
UCSD/IGPP - 0225
La Jolla, CA

Advisor: Dr. John Quinlan

James Vasslides

Program Scientist
Barnegat Bay Partnership
Ocean County College
Toms River, NJ

Thesis title: Patterns in fish abundance and assemblages across sand ridges on the New Jersey inner continental shelf.

Advisor: Ken Able

Juan Wang

Business Analyst
Group RCI, a subsidiary of Wyndham Worldwide Corporation
Advisor: Dr. Ming Xu

Rachel Ward

Advisor John Dighton.

2006 Ph.D.

Kevin Flesher

Consultant
Bahia, Brazil

Dissertation title: Explaining the biogeography of the medium and large mammals in a human-dominated landscape in the atlantic forest of Bahia, Brazil: Evidence for the role of agroforestry systems as wildlife habitat.

Advisor: Dr. Andrew Vayda

Dennis Gray

Station Manager
Pinelands Field Station
New Lisbon, NJ

Dissertation title: Low intensity prescribed fire and the fate of fire mobilized nutrients.

Advisor: Dr. John Dighton

Robert Hamilton

Assistant Professor
Department of Biological Sciences
Kent State University, Stark Campus
Canton, Ohio

Dissertation title: Assessing ecological integrity of streams in forested wetlands in urbanized sites of northeastern New Jersey.

Advisor: Dr. Joan Ehrenfeld

Alexander Hernandez

Assistant Professor
Kutztown University
Kutztown PA

Dissertation title: Parasitism, food webs and biomass patterns in stream ecosystems.

Advisor: Dr. Michael Sukhdeo

Jay Kelly

Associate Professor, Environmental Science and Biology

Department of Science & Engineering

Raritan Valley Community College

Dissertation title: Explanations in the biology and restoration of the endangered plant species, *Schwalbea americana* (American Chaffseed), in New Jersey.

Advisor: Dr. Andrew (Pete) Vayda

Nan Shao

Executive Director and Global Head

Biostatistics and Statistical Programming

Covance, Inc

Princeton NJ

Dissertation title: Invasibility and vulnerability of plant communities to biological invasions: A spatially explicit stochastic modeling approach.

Advisor: Dr. Colleen Hatfield

2006 M.S.**Eric Andersen**

Advisor: Jean Marie Hartman

Clare Ng

Marine Science/Technology Instructor

Marine Academy of Science and Technology

Sandy Hook, NJ.

Thesis Title: Habitat utilization and movement patterns of adult striped bass, *Morone saxatilis*, in a southern New Jersey estuary using acoustic telemetry.

Advisor: Kenneth Able

Michael Sakatos

Thesis title: The small mammal community in a restored area of the Fresh Kills landfill.

Advisor: Dr. Kathleen Scott

Alison Seigel

Continued in PhD program in E&E (PhD 2009)

Thesis title: Avian response to urban marsh restoration.

Advisor: Dr. Colleen Hatfield

Robert Somes

Senior Zoologist

NJ Division of Fish and Wildlife

Endangered and Nongame Species Program

Clinton, NJ

Thesis title: " The Future of Fire Management in the New Jersey Pinelands"

Advisor: Dr. Julie Lockwood

2005 Ph.D.

Johanna Choo

Lecturer

University of Massachusetts Lowell

1 University Ave,

Lowell, MA 01854

Dissertation Title: The avifauna and wild fruits of two equatorial rainforests sites:

An inter-tropical comparison.

Advisor: Dr. Edmund Stiles

Robert Cox

Associate Professor

Department of Biology

University of Virginia, Charlottesville

Dissertation title: Integrating proximate and ultimate causes of sexual size dimorphism in lizards.

Advisor: Dr. Henry John-Alder

Amanda Dey

NJ Div of Fish and Wildlife

Trenton, NJ 08625-0400

Dissertation Title: The importance of spatial scale and non-forest habitats in predicting occurrence of area-sensitive forest birds.

Advisor: Dr. Joanna Burger

Daniel Hernandez

Associate Professor of Biology

Natural Sciences and Mathematics

The Richard Stockton State College of New Jersey

Pomona, NJ 08240

Dissertation title: Conservation and foraging dynamics of migratory shorebirds.

Advisor: Dr. David Drake

Matthew Palmer

Senior Lecturer and Director of Undergraduate Studies

Department of Ecology, Evolution and Environmental Biology

Columbia University

New York NY 10027

Dissertation title: Plant community structure in fens of the New Jersey pinelands.

Advisor: Dr. Joan Ehrenfeld

Arjun Sivasundar

Group leader of the research group in molecular ecology

Swiss Federal Institute of Aquatic Science and Technology

Dissertation Title: Genetic variation, population structure and outcrossing in *Caenorhabditis elegans*.

Advisor: Dr. Jody Hey

Shannon Nix

Associate Director of Institutional Assessment
Office of the Provost
George Mason University
Fairfax, VA.

Dissertation Title: Patterns and dynamics of phylloplane fungal communities of *Vaccinium* sp. in response to anthropogenic disturbance.

Advisor: Dr. John Dighton

2005 M.S.**Michael Celestino**

Research Scientist
NJDEP, NJ Division of Fish and Wildlife
Port Republic, NJ

Thesis Title: Analysis of the abundances of *Mercenaria mercenaria* and other molluscs on prospective aquaculture leased grounds in New Jersey.

Advisor: Dr. John Quinlan

Joseph Dunsay

Writer at Environmental Graffiti.com
Advisor: Dr. Edwin Green

Amy Long

Lecturer
Department of Environmental Studies
University of North Carolina Wilmington
Advisor: Dr. Steven Handel

Laura Robinson

Advisor: Dr. John Quinlan

Leigh Ann Wilson

Thesis title: Community Effects of Bacteria and Ectomycorrhizae Associated with *Pinus rigida*

Advisor: Dr. John Dighton

2004 Ph.D.**Heather Bowman Cutway**

Associate Professor and Department Chair
Mercer University
Dept of Biology
1501 Mercer University Drive.
Macon, GA 31207

Dissertation Title: The effects of urban land use and human disturbance on forested wetland invasibility.

Advisor: Dr. Joan Ehrenfeld

Susan Elbin

Director of Conservation and Science
New York City Audubon
71 West 23rd Street
New York, NY

Dissertation Title: Mating strategies in two species of monogamously breeding colonial birds (Scarlet Ibis, *Eudocimus ruber* and Waldrapp Ibis, *Geronticus eremita*) in captivity.

Advisor: Dr. Joanna Burger

Zachary Long

Associate Professor
Department of Biology and Marine Biology
University of North Carolina – Wilmington
Wilmington, NC

Dissertation Title: Mechanistic approaches to understanding complex ecological systems.

Advisor: Dr. Peter J. Morin

P. Timon McPhearson

Associate Professor
Urban Ecology Lab, Environmental Studies Program
The New School
New York, NY

Dissertation Title: The complexity of cooperation in ecological communities.

Advisor: Dr. Peter J. Morin

Kristin Mylecraine (Munafò)

Senior Research Scientist
New Jersey Audubon
11 Hardscrabble Road
Bernardsville, NJ 07924

Dissertation Title: Geographic variation in Atlantic white-cedar (*Chamaecyparis thyoides*): Implications for management, restoration, and biogeography.

Advisor: Dr. Peter Smouse

Jennifer Price

Post-doctoral Research
University of Virginia

Dissertation Title: Intraguild predation and the formation of alternate community states.

Advisor: Dr. Peter Morin

2004 M.S.**Polly Hicks**

NOAA Restoration Center
7600 Sand Point Way NE
Seattle, WA 98115

Thesis title: Seed dispersal dynamics and vegetation community development in a restored brackish marsh: Implications for restoration and management.

Advisor: Dr. Jean Marie Hartman

Kelsey Sullivan

Wildlife Biologist
Maine Department of Inland Fisheries and Wildlife
Bangor, Maine

Thesis title: What factors influence nest site selection of black-legged kittiwakes in Alaska: using historical data to investigate scientific questions.

Advisor: Dr. Joanna Burger

2003 Ph.D.**David Bart**

Associate Professor
Department of Landscape Architecture
University of Wisconsin
Madison, Wisconsin

Dissertation Title: Environmental determinants of *Phragmites australis* invasion in a New Jersey salt marsh: interactions among human activities, disturbance, and edaphic conditions.

Advisor: Dr. JeanMarie Hartman

Stacy Zimmerman Brosnan

Dissertation Title: Phylogeny of the photosynthetic euglenoids with special reference to the loricate genera *Trachelomonas* and *Strombomonas*.

Advisor: Dr. Richard Triemer

Louis Cantafio

Facilities and Equipment Manager

Dissertation title: Human olfactory communication of alarm and safety.

Advisor: Dr. Terry McGuire

Lin Jiang

Associate Professor
Department of Biology
Georgia Tech
Atlanta GA

Dissertation Title: Studies of the extrinsic and intrinsic regulation of population dynamics and community structure using modeling and experimental approaches.

Advisor: Dr. Peter Morin

Yong-Jin Won

Full time Lecturer
Dept. of Life Sciences
Ewha Womans University
11-1 Daehyon-Dong, Sodaemun-KU
Seoul, 120-750, Korea

Dissertation title: Molecular systematics, population structure, and gene flow of deep-sea hydrothermal vent mussels (Mytilidae: *Bathymodiolus*) and associated sulfur-oxidizing endosymbionts.

Advisor: Dr. Robert Vrijenhoek

2003 M.S.

Michele Bakacs

County Environmental and Resource Management Agent for Middlesex and Union Counties
Rutgers Cooperative Extension and
Rutgers' Department of Agricultural and Resource Management Agents
Thesis Title: A multi-scale study of current and historic land cover effects on riparian plant communities of headwater streams.
Advisor: Dr. Colleen Hatfield

Juanita Choo

Lecturer
University of Michigan, Ann Arbor
Advisor: Dr. Edmund Stiles

Deborah Gries

Thesis title: Exploring the use of handheld computer technology in promoting student enthusiasm about botany.
Advisor: Dr. Steven Handel

Gregg Sakowicz

Field Researcher IV
Jacques Cousteau National Estuarine Research Reserve
N.J. Agricultural Experiment Station
Rutgers University
130 Great Bay Blvd.
Tuckerton, NJ 08087
Thesis Title: Comparative morphology and behavior of larval salt marsh fishes:
Fundulus heteroclitus and *Cyprinodon variegates*.
Advisor: Dr. Kenneth Able

2002 Ph.D.

Marlene Cole

Climate Change Specialist
USDA-APHIS
Washington D.C.
Dissertation title: Effects of the spatial configuration of habitats on species distributions and population dynamics in unaltered and ditched salt marshes.
Advisor: Dr. Richard Lathrop

Luis Hurtado

Assistant Professor
Wildlife and Fisheries Sciences
Department of Wildlife and Fisheries Sciences
Texas A&M University
TAMU 2258
College Station, TX 77843-2258
Dissertation title: Evolution and biogeography of hydrothermal vent organisms in the eastern Pacific Ocean.
Advisor: Dr. Robert Vrijenhoek

Mariana Mateos

Associate Professor
Wildlife and Fisheries Sciences
Department of Wildlife and Fisheries Sciences
Texas A&M University
TAMU 2258
College Station, TX 77843-2258
Dissertation title: Molecular systematics and biogeography of sexual and asexual forms of *Poeciliopsis* (Cyprinodontiformes; Poeciliidae.)
Advisor: Dr. Robert Vrijenhoek

Denise Royle

Research Scientist at US Naval Research Lab
Washington D.C.
Dissertation title: A landscape analysis of hemlock decline in New Jersey.
Advisor: Dr. Richard Lathrop

Helen Thompson

National Finance Office
Australian Greens
Sydney, Australia
Dissertation title: Exotic and native vine effects on sampling regeneration in urban and rural forests.
Advisor: Dr. Steward T. A. Pickett

2002 M.S.**Christopher Boring**

Kleinschmidt Associates
South Carolina
Thesis Title: Home range, habitat use, and radiocesium burdens in raccoons (*Procyon lotor*) inhabiting the U.S. Department of Energy's Savannah River Site.
Advisor: Dr. Joanna Burger

Margaret Fritze

Working with various avian research groups
Thesis Title: Age-specific survivorship and return rates of the Gray Catbird (*Dumetella carolinensis*): A fourteen year mark-recapture study with a discriminant function analysis.
Advisor: Dr. John Kuser

Michael Haberland

New Jersey Dept. of Environmental Protection
Watershed Management Division

Thesis Title: Ontogenetic changes in the diet of young-of-year Windowpane, *Scophthalmus aquosus*.

Advisor: Dr. Kenneth Able

John Henrikson

Advisor:

Myla Johnson (Aronson)

PhD Candidate (Completed Ph.D. 2007)

Ecology and Evolution Graduate Program

Rutgers University New Brunswick, NJ

Thesis Title: Floodplain vegetation, soils, and land use of the upper Passaic River basin, New Jersey.

Advisor: Dr. JeanMarie Hartman

Jason Tesauro

Owner, Jason Tesauro Consulting, LLC

53 North Union Street

Lambertville, NJ 08530

Thesis Title: The effects of livestock grazing on the Bog Turtle (*Clemmys muhlenbergi*.)

Advisor: Dr. David Ehrenfeld

2001 Ph.D.

Anne (Bansemir) Keating

Lecturer

Division of Life Sciences

Nelson Hall, Room A-124

Busch Campus

Rutgers University

Piscataway, NJ 08855

Dissertation Title: Resource use and aggregation behavior in gastrointestinal nematode parasites.

Advisor: Dr. Michael Sukhdeo

Jennifer Johns

Visiting Assistant Professor of Biology

Department of Biology

Willamette University

Salem, Oregon 97301

Dissertation title: The reproductive fate of the tropical tree, *Tabebuia rosea*, in a fragmented landscape.

Advisor: Dr. Steven Handel

Peter Kourtev

Associate Professor

Central Michigan University

Department of Biology

Brooks Hall, Rm. 228

Mt. Pleasant, MI 48859

Dissertation Title: Effects of exotic plant species on soil and litter microbial communities.

Advisor: Dr. Joan Ehrenfeld

David MacFarlane

Associate Professor
Department of Forestry
215 Natural Resources Building
Michigan State University
East Lansing, Michigan 48824

Dissertation title: Ptaeda-light: a mechanistic light-competition model for predicting the growth and survival of loblolly pine trees.

Advisor: Dr Edwin Green

David Nemerson

Conservation Biologist
Conservation Department
National Aquarium in Baltimore

Dissertation title: Trophic dynamics and habitat ecology of the dominant fish of Delaware Bay (USA) marsh creeks.

Advisor: Dr. Kenneth Able

Beth Phelan

NMFS Sandy Hook Field Station
74 McGruder Rd.
Highlands, NJ 07732

Dissertation title: Habitat associations in shallow water fish and crustaceans in estuaries of the Northeastern U.S.

Advisor: Dr. Ken Able

Ekaterina G. Sedia

Associate Professor
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Pomona, NJ 08240

Dissertation title: The effects of lichens and mosses on vascular plants, soil microbial activity and nutrient cycling of the New Jersey Pinelands.

Advisor: Dr. Joan Ehrenfeld

Amy Tuininga

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Montclair State University
1 Normal Avenue
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Montclair, NJ 07043

Dissertation title: Fire effects of ectomycorrhizal diversity, community structure, and function in the New Jersey Pine Barrens.

Advisor: Dr. John Dighton

Michael VanClef

Ecological Solutions, LLC
9 Warren Lane
Great Meadows, NJ 07838

Dissertation title: Early life stage performance of native and non-native congeners of *Polygonum*, *Celastrus* and *Parthenocissus*: assessing methods of screening new plant introductions for invasive potential.

Advisor: Dr. Edmund Stiles

www.njecologicalsolutions.com

2001 M.S.

Laura Branagan

Thesis Title: Behavioral and endocrine responses to "persistent" communicative signals in the eastern fence lizard, *Sceloporus undulatus hyacinthinus*.

Advisor: Dr. Henry John-Alder

Melinda Challis

Hong Kong

Advisor: Dr. Steven Handel

Niki Learn

Research Assistant

Princeton University

Advisor: Dr. Jean Marie Hartman

Robert Marsh

Advisor: Dr. Rick Lathrop

Christopher Martine

(PhD University of Connecticut)

Full Professor of Biology

David Burpee Chair in Plant Genetics and Research

Director of the Wayne E. Manning Herbarium

Bucknell University

Lewisburg VA

Thesis Title: Shrubs and vines: A field identification and natural history guide for New Jersey and the northeast.

Advisor: Dr. John Kuser

James McHugh

Advisor: Dr. John Dighton

Thesis Title: Effects of Mycorrhizal Inoculation, Phosphorus Availability, Salinity, and Period-of-Inundation on Seedling Growth, in the Nursery, of Two Saltmarsh Grasses, *Spartina Alterniflora* and *Spartina Cynosuroides*.

Kristen Mylecraine (Ph.D E&E 2004)

Thesis Title: Restoring Atlantic white-cedar, *Chamaecyparis thyoides*, on two disturbed sites in the New Jersey Pinelands.

Advisor: Dr. John Kuser

Marian Norris

Advisor: Dr. Jean Maire Hartman

Diana Raichel

Thesis title: The influence of Phragmites dominance on marsh resident fish in the Hackensack Meadowlands, New Jersey.

Advisor: Dr. Jean Marie Hartman

Jeanine Bayus

Advisor: Dr. Robert Trivers

Kristi Silber

Advisor: Dr. Steven Handel

Eric Stiles

President and CEO

New Jersey Audubon Society

Thesis title: A landscape analysis of migrant landbird stopover habitat on Cape May Peninsula, New Jersey from 1972 through 1995 using remote sensing data.

Advisor: Dr. Joanna Burger

Randi Winter

Advisor: Dr. Charles Leck

Mark Wong

Advisor: Dr. Jean Marie Hartman

2000 Ph.D.**Jeremy Fox**

Full Professor

Dept of Biological Sciences

University of Calgary

Calgary, AB

<http://homepages.ucalgary.ca/~jefox/Home.htm>

Dissertation title: Causes and consequences of community structure in experimental aquatic microcosms.

Advisor: Dr. Peter Morin

Joanna Heberger

Scientist

Dept. of Plant Biology

University of Minnesota

Biological Science Center

1445 Gortner Ave.

St. Paul, MN 55108

Dissertation title:

The effects of soil amendments on mycorrhizae and growth of *Quercus rubra* [L.] (northern red oak) seedlings.

Advisor: Jean Marie Hartman

Christina Kaunzinger

Senior ecologist

Office of Agriculture and Urban Programs

Rutgers University

New Brunswick, NJ 08901

Dissertation title: Population responses to productivity, food chain length, and complexity in aquatic microcosms.

Advisor: Dr. Peter Morin

Kathleen LoGiudice

Professor

Biology Department

Union College

Schenectady, NY 12308-3107

Dissertation title: *Baylisascaris procyonis* and the decline of the Allegheny woodrat (*Neotoma magister*.)

Advisors: Drs. Richard Ostfeld and Kathleen Scott

Brian Palestis

Professor

Department of Biological Sciences

Wagner College

Staten Island, NY 10301

Dissertation title: Common tern (*Sterna hirundo*) recognition systems: recognition of siblings, nest sites and nest predators.

Advisor: Dr. Joanna Burger

Bradley Walters

Professor

Geography Department

Mount Allison University

65 York St.

Sackville NB EAL 1E4

Canada

Dissertation title: Event ecology in the Philippines : explaining mangrove tree cutting and planting and their environmental effects.

Advisor: A. Vayda

http://www.mta.ca/Community/Bios/Brad_Walters/Brad_Walters/

2000 M.S.**Marielle Anzelone**

Drosera (landscape design, education)

NYC Wildflower Week – Executive Director & Founder

Brooklyn, NY

Thesis title: “Endangered Plant Species Populations in New Jersey; Health and Threats”

Advisor: Dr. JeanMarie Hartman

Stephanie Barbeau

Advisor: Dr. Kenneth Able

James Chitty

Thesis title: The response of a resident marsh killifish, *Cyprinodon variegatus*, to marsh restoration in southern New Jersey.

Advisor: Dr. Kenneth Able

James McNelly

Advisor: Dr. Michael May

Anthony Petrongolo

Advisor: Dr. James Applegate

Justine Trinidad

Director, Ipsos-Vantis

Greater New York City Area

Advisor: Dr. James Quinn

Sabine Zenzola

Advisor: Dr. David Ehrenfeld

1999 Ph.D.

Sylvan Kaufman

Ecologist

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156 Valley Drive

Santa Fe, NM 87501

Dissertation title: The effect of habitat and species characteristics on invasiveness of *Melaleuca quinquenervia* cav. (Blake.)

Co-advisors: Dr. Peter Smouse and Dr. JeanMarie Hartman

Debra Linton

Dissertation Title: Feeding rate, growth, and reproduction responses of the polychaetes *Abarenicola pacifica* and *Capitella* sp.1 to variations in food concentration.

Advisor: Dr. Gary Taghon

Robert Manson

Investigador Titular B

Red de Ecología Funcional

Instituto de Ecología, A.C.

Carretera Antigua a Coatepec No. 351

Xalapa, Veracruz 91070, México

Dissertation title: Plant-herbivore interactions along forest edges: clarifying the role of herbivory by small mammals in tree invasion dynamics in old-fields.

Advisors: Drs. Richard Ostfeld and Steward T.A. Pickett

Scott Meiners

Professor

Department of Biological Sciences

Eastern Illinois University

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Dissertation title: Multiple effects of the forest edge on the structure of an old field plant community.

Advisors: Drs. Steven Handel and Steward T.A. Pickett

Melissa Neuman

Protected Species Conservation & Recovery

National Marine Fisheries Service, West Coast Region

Long Beach, CA

Dissertation Title: Early life history and ecology of windowpane, *Scophthalmus aquosus*, in the middle Atlantic Bight: ontogenetic transitions during the first year of life in a bi-modal spawner.

Advisor: Dr. Ken Able

Nellie Tsipoura

Senior Research Scientist and Director of Citizen Science

New Jersey Audubon Society

Scherman-Hoffman Wildlife Sanctuary

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Bernardsville, NJ

Dissertation Title: Ecophysiological and hormonal aspects of wintering and migration in shorebirds.

Advisor: Dr. Joanna Burger

Lisamarie Windham-Myers

USGS National Research Program

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Lecturer; Earth Systems Program

Stanford University

Dissertation Title: Effects of an invasive reedgrass, *Phragmites australis*, on nitrogen cycling in brackish tidal marsh of New York and New Jersey.

Advisor: Dr. Joan Ehrenfeld

1999 M.S.

Michelle Arbogast

Thesis Title: The use of raccoons as bioindicators of radiocesium contamination.

Advisor: Dr. Joanna Burger

Albert Gates

Thesis title: The impact of intensive deer browse and invasive alien plants on breeding bird communities at Morristown National Historical Park.

Advisor: Dr. Charles Leck

Eliza Goodwin

Thesis title: The influence of some environmental factors on germination and early seedling growth of *Narthecium americanum* Ker Gawler (Liliaceae.)

Advisor: Dr. Jean Marie Hartman

Stacy Moore Hagan

Thesis title: Temporal variations of the pelagic fish assemblage in a southern New Jersey estuary.

Advisor: Dr. Ken Able

(Deceased)

Christine Lord

Thesis Title: Raccoon (*Procyon lotor*) as a bioindicator of mercury contamination at the United States Department of Energy's Savannah River site.

Advisor: Dr. Joanna Burger

Sherry Meyer

Thesis title: Habitat use, spatial dynamics, and stopover ecology of red knots on Delaware Bay.

Advisor: Dr. Joanna Burger

Rena Price

Advisor: Dr. Joanna Burger

Amy Tamulevicus

Advisor: Dr. Kathleen Scott

1998 Ph.D.

James Baxter

Professor

Department of Biological Sciences

Sacramento State University

Sacramento, CA

Dissertation title: Ectomycorrhizal community structure and host tree performance in human-altered forest ecosystems.

Advisor: Dr. Steward T. A. Pickett

Margot R. Bram

High school biology teacher

Lower Moreland High School

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Dissertation title: Sex expression, sex-specific traits, and inbreeding depression in freshwater and salt marsh populations of *Amaranthus cannabinus* (L.) Sauer (Amaranthaceae), a dioecious annual.

Advisor: Dr. James Quinn

Mary Cadenasso

Professor of Landscape and Urban Ecology

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University of California, Davis

Dissertation title: Linking forest edge structure to edge function: An experimental and synthetic approach.

Advisor: Dr. Steward T. A. Pickett

Laura Lynch

Sierra Club

Mercer County, NJ

Dissertation Title: Sulfate and carbon limitation at McDonald's Branch cedar swamp, Lebanon State Forest, New Lisbon, New Jersey.

Advisor: Dr. Mark Morgan

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Environmental Consultant

Great Ecology

San Diego, CA

Dissertation title: Causes and consequences of biodiversity in experimental aquatic microcosms.

Advisor: Dr. Peter Morin

Andrew Peek

Director of Bioinformatics

Integrated DNA Technologies, Inc.

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Dissertation title: Phylogenetic analyses of clams in the family *Vesicomyidae* and their chemoautotrophic gill symbionts.

Advisor: Dr. Robert Vrijenhoek

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Senior Director of Conservation
Audubon Society of Rhode Island

Dissertation Title: The role of extrafloral nectaries in mutualisms, herbivory, and plant defense of *Chamaecrista nictitans* .

Advisor: Dr. Steven Handel

Linda C. (Seitz) Smith

Dissertation title: Hormones, behavior, and integumental coloration of a male lizard (*Sceloporus undulatus*) in response to conspecific social interactions.

Advisor: Dr. Henry John-Alder
(Deceased)

Timothy Shank

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Dissertation title: Temporal and spatial development of communities at nascent deep-sea hydrothermal vents and evolutionary relationships of hydrothermal-vent caridean shrimp (*Bresiliidae*.)

Advisor: Dr. Richard Lutz

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Dissertation title: The effects of predation on recruitment of the surfclam, *Spisula solidissima*.

Advisor: Dr. Judith Grassle

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Dissertation title: Bee mutualists and plant reproduction in urban woodland restorations.

Advisor: Dr. Steven Handel

1998 M.S.**Rajaseki Bandaru**

Advisor: Dr. Jody Hey

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Thesis Title: Responses of herring gull chicks to simulated predators, and lead's effects on those responses.

Advisor: Dr. Joanna Burger

Dale Haroski (Ph.D E&E 2009)

Thesis title: Fish assemblages of inlet beaches in a southern New Jersey estuary.

Advisor: Dr. Ken Able

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Advisor: Dr. Joan Ehrenfeld

1997 Ph.D.

Elizabeth Elle

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Dissertation title: Sex allocation and reproductive success in an andromonoecious perennial plant, *Solanum carolinense* L. (Solanaceae.)

Advisor: Dr. Thomas Meagher

Gabrielle Vivian-Smith

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Dissertation title: Small-scale spatial heterogeneity, diversity and community structure in regenerating plant communities.

Advisor: Dr. Steward T.A. Pickett

Susan Watts

Dissertation title: Denitrification, organic matter decomposition, and N mineralization in organic and mineral soils of two riparian ecosystems.

Advisor: Dr. Mark Morgan

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Dissertation title: Nutritional role of high-lipid fruits in the diet of migrant thrushes.

Advisor: Dr. Edmund Stiles

1997 M.S.

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Advisor: Dr. Judy Grassle

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Thesis title: Population Dynamics and Habitat Selection of Eastern Wild Turkeys in the Southern Pinelands of New Jersey.

Advisor: Dr. Donald Caccamise

Nancy Juette

Advisor: Dr. Terry McGuire

Steven Litvin

Thesis title: Trophic linkages between juvenile fishes and organic sources in three northeastern estuaries as indicated by stable isotope ratios.

Advisor: Dr. Samuel Wainwright

Malcolm Martin

Thesis title: Trace metals in pinnipeds from Long Island, NY and surrounding waters.

Advisor: Dr. Joanna Burger

Leslie Shank

Thesis title: Seedling emergence and growth, and avian fruit removal of eight crabapple (*Mallus* spp.) cultivars proposed for woodland restoration.

Advisor: Dr. Steven Handel

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Fairleigh Dickinson University (Metro campus)

Thesis title: Mercury patterns in wood duck eggs and features from contaminated reservoirs of the Savannah River site.

Advisor: Dr. Joanna Burger

Aviva Zuller

Thesis title: Natural re-establishment of vesicular-arbuscular mycorrhizae in five closed municipal landfills.

Advisor: Dr. Joan Ehrenfeld

1996 Ph.D.**Michael Black**

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Dissertation title: Population and evolutionary genetics of hydrothermal vent and cold-seep tube worms: phylum *Vestimentifera* Jones.

Advisor: Dr. Robert Vrijenhoek

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1600 Grand Avenue

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Dissertation title: Influence of nestling diet and salt tolerance on adult movement and foraging patterns: Field studies of the laughing gull (*Larus atricilla*.)

Advisor: Dr. Donald Caccamise

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555 Long Wharf Drive, 13th Floor
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Dissertation title: Thyroid regulation of growth and behavior in lizards.
Advisor: Dr. Henry John-Alder

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Dissertation title: Speciation and molecular evolution in the *Drosophila virilis* species group.
Advisor: Dr. Jody Hey

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Dissertation Title: Predicting the strength of competitive interactions from body sizes of zooplankton: Tests using experimental microcosms.
Advisor: Dr. Peter Morin

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Dissertation title: Ecological interactions and the maintenance of sex: studies with experimental populations of the ciliate *Tetrahymena thermophila*.
Advisor: Dr. Peter Morin

Paula Maas

Associate Provost for Institutional Research and Effectiveness
The New School
New York City.
Dissertation Title: Genetic and Phenetic Differences in Two Biotypes of the Fall Armyworm, *Spodoptera frugiperda* (J.E. Smith) (Lepidoptera: Noctuidae.)
Advisor: Dr. Timothy Casey

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President
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Advisor: Dr. Joanna Burger

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Dissertation title: The effects of biotic and abiotic factors on predator-prey interactions in old-field flower-head communities.

Advisor: Dr. Timothy Casey

1996 M.S.

Lisa Sue Boyles

Thesis title: The use of compost amendments and seed additions for the establishment of permanent vegetation.

Advisor: Dr. Jean Marie Hartman

Susannah Graedel

Advisor: Dr. Charles Leck

Suifen Lyu

Thesis title: Attempted hybridization between the eastern oyster, *Crassostrea virginica* (Gmelin) and two Asian oysters, *C. gigas* (Thunberg) and *C. rivularis* (Gould) using bridging crosses.

Advisor: Dr. S. Allen

Denise Royle (Ph.D. E&E 2002)

Thesis title: Monitoring hemlock decline in northern New Jersey.

Advisor: Dr. Richard Lathrop

1995 Ph.D.

Clark Craddock

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Dissertation title: Molecular systematics and gene flow of deep-sea hydrothermal vent and cold-water methane/sulfide seep mollusks.

Advisor: Dr. Robert Vrijenhoek

Balachander Ganesan

Chair of the Science Task Group

Consultative Group on International Agricultural Research (CGIAR)

Dissertation title: Fire, grazing, and extraction of non-timber forest products in the Nilgiris Biosphere Reserve, southern India : implications for forest policy, sustainable use and local economies.

Advisor: Dr. David Ehrenfeld

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Ecologist

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Natural Resources Group

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1234 Fifth Avenue

New York, New York 10029

Dissertation title: The ecology of larval *Hyla andersonii* (Anura: Hylidae): the effects of predation by aquatic insects, competition with larval anurans and pH.

Advisor: Dr. Peter Morin

Jorge Saliva

Dissertation title: The importance of vegetation in the ecology and behavior of Sooty Terns in a Caribbean colony.

Advisor: Dr. Joanna Burger
(Deceased)

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Dissertation title: Comparative foraging ecology of roseate and sandwich terns in Puerto Rico and its relation to breeding performance.

Advisor: Dr. Joanna Burger

Kelly Smith

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Dissertation title: Processes regulating habitat use by salt marsh nekton in a Southern New Jersey estuary.

Advisor: Dr. Kenneth Able

David Witting

Fish Ecologist NOAA/MSRP
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Dissertation title: Settlement of winter flounder, *Pleuronectes americanus*, in a southern New Jersey estuary: spatial and temporal dynamics and the effect of decapod predation.

Advisor: Dr. Ken Able

Weixing Zhu

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Dissertation title: The effects of mycorrhizal roots on soil organisms, litter decomposition and nutrient dynamics in the New Jersey Pinelands.

Advisor: Dr. Joan Ehrenfeld

1995 M.S.**Constantine Georgiadis**

Advisor: Dr. Joanna Burger

Nicholas P.A. Leahy

Advisor: Dr. Jody Hey

Kathleen LoGiudice (Ph.D. E&E 2000)

Thesis title: Control of *Baylisascaris procyonis* (Nematoda) in raccoons (*Procyon lotor*) through the use of anthelmintic baits : a potential method for reducing mortality in the Allegheny woodrat (*Neotoma floridana magister*.)

Advisor: Dr. Kathleen Scott

Elizabeth Obee

Thesis title: Comparative phenotypic plasticity and life history of *Schizachyrium scoparium* from grassland and forest biomes.

Advisor: Dr. James Quinn

Daniel Russell

Advisor: Dr. Charles Leck

Angela Salvemini

Thesis title: Wetland plant community response to elevated nutrients associated with septic systems in the New Jersey Pinelands.

Advisor: Dr. Thomas Meagher

Sarada Sangameswaran

Thesis title: Nitrogen and phosphorus dynamics in white-cedar, hardwood and pine wetlands in the New Jersey Pinelands

Advisor: Dr. Joan Ehrenfeld

Janet Wang-Lee

Thesis title: DNA fingerprinting for the determination of paternity in a natural population of lizards (*Sceloporus undulatus*).

Advisor: Dr. Henry John-Alder

1994 Ph.D.**John Brzorad**

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Dissertation title: Resource predictability and the information center hypothesis

Advisor: Dr. Joanna Burger

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Dissertation title: Dermo disease in American oysters : genetics of host-parasite interactions.

Advisor: Dr. Standish Allen

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Dissertation title: Modeling toxicity to aquatic life in the tidal Delaware River.

Advisor: Dr. Joanna Burger

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MASTS Professor
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Fife, Scotland.

Dissertation title: Non-equilibrium models in population genetics:stochastic migration and source-sink metapopulations.

Advisor: Dr. Peter Smouse

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Worldwide Ecology
White Plains, NY

Dissertation title: Reproductive strategies : winter behavior and ecology, and conservation of the North American wood turtle (*Clemmys insculpta*.)

Advisor: Dr. Joanna Burger

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Princeton Ecology Education Services, Inc
Princeton NJ.

Dissertation title: The natural history and ecology of the bog turtle (*Clemmys muhlenbergii*.)

Advisor: Dr. Timothy Casey

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Dissertation Title: The structure of prey communities: Effects of predator identity and geographic variation in predators.

Advisor: Dr. Peter Morin

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Dissertation title: Comparative ecology and life history of two temperate, northwestern Atlantic Searobins, *Prionotus carolinus* and *P. evolans* (Pisces: Triglidae.)

Advisor: Dr. Kenneth Able

1994 M.S.**Scott Castro**

Advisor: Dr. Joan Ehrenfeld

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Thesis title: DNA primers for amplification of mitochondrial cytochrome C oxidase subunit I from diverse metazoan invertebrates.

Advisor: Dr.Robert Vrijenhoek

Helen Forgione

Senior Project Manager, Ecological Assessment
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Advisor: Jean Marie Hartman

Jacques Hill III

Thesis title: Factors influencing the structure of Pine Barrens snake communities.
Advisor: Dr. Joanna Burger

Eileen Maher

Advisor: Dr. Charles Leck

James McDougal

Advisor: Dr. David Ehrenfeld

Robert Manson (Ph.D. E&E 1999)

Thesis title: Factors influencing the foraging behavior of white-footed mice : consequences for tree seed survival in old-fields.
Advisor: Dr. Edmund Stiles

Joan Roth

Advisor: Dr. Steven Handel

1993 Ph.D.

Meryl Camhi

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Dissertation title: The role of nest site selection in loggerhead sea turtle (*Caretta caretta*) nest success and sex ratio control.
Advisor: Dr. David Ehrenfeld

Martin Christ

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Dissertation title: Investigating the role of base cation and ammonium deposition in soil and soil-water acidification at the Hubbard Brook Experimental Forest, New Hampshire.
Advisor: Dr. Gene Likens

Andrew Draxler

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Dissertation title: The influence of sediment biogeochemistry on soft-bottom marine benthos.
Advisor: Dr. Robert Loveland

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Dissertation title: The ecology of *Clethra alnifolia* L. (Clethraceae) in wetland forests of central New Jersey.
Advisor: Dr. Jean Marie Hartman

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Dissertation title: The effect of four landscape features on atmospheric deposition to Hunter Mountain, New York.
Advisor: Dr. Gene Likens

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Dissertation title: The population ecology of clonal growth in the herb *Potentilla simplex*.
Advisor: Dr. Steven Handel

1993 M.S.**Elizabeth Haynes**

Advisor: Dr. Judy Grassle

William Walton

Thesis title: Invasion of the Hudson River estuary (N.Y., U.S.A.) by the zebra mussel, *Dreissena polymorpha*.
Advisor: Dr. Fred Grassle

Martha Windisch

Thesis title: Macrophyte tissue cation concentrations and their relation to stream surface water chemistry and interstitial water chemistry in the New Jersey Pinelands.
Advisor: Dr. Mark Morgan

1992 Ph.D.**William Boarman**

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Dissertation title: The evolution of avian song : a study of the impact of sound propagation on animal communication.
Advisor: Dr. Joanna Burger

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Department of Aquatic Science
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Dissertation title: Utilization of marine bacteria as a food source by *Mulinia lateralis* (Say) (Bivalvia: Mactridae.)
Advisor: Dr. Richard Lutz

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Dissertation title: Magnitude and patterns of herbivory in aquatic communities.
Advisor: Dr. Gene Likens

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Dissertation title: Identification and genetic analysis of early life history stages of oysters.
Advisor: Dr. Richard Lutz

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Dissertation title: Plant litter: direct and indirect effects in oldfield plant communities.
Advisor: Dr. Steward T. A. Pickett

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Dissertation Title: Effects of community structure on protist population dynamics in experimental microcosms.
Advisor: Dr. Peter Morin

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2502 Plant Sciences
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Dissertation title: The role of history and patch dynamics in the revegetation of a catastrophic windthrow in an old-growth Beech-Hemlock forest.
Advisor: Dr. Steward T.A. Pickett

Richard Pouyat

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Dissertation title: Soil characteristics and litter dynamics in mixed deciduous forests along an urban-rural gradient.
Advisor: Dr. Steward T. A. Pickett

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Dissertation Title: Fish and macroinvertebrate community structure and habitat use patterns in salt marsh creeks of southern New Jersey, with a discussion of marsh carbon export.

Advisor: Dr. Kenneth Able

1992 M.S.**Paul Bovitz**

Advisor: Dr. Charles Leck

Elizabeth Johnson

Thesis title: Effects of grazing by anuran tadpoles on periphyton assemblages in experimental pond communities.

Advisor: Dr. Peter Morin

David Shealer (Ph.D. E&E 1995)

Thesis title: Behavioral and ecological factors affecting reproductive success in a threatened population of tropical Roseate Terns.

Advisor: Dr. Joanna Burger

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Advisor: Dr. Edmund Stiles

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Thesis title: Equitability of parental investment in laughing gulls.

Advisor: Dr. Joanna Burger

1991 Ph.D.**Martin Cipollini**

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Dissertation title: Chemical defense of ripe fruits : antifungal defense versus frugivore attraction in the family *Ericaceae*.

Advisor: Dr. Edmund Stiles

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City of New York Dept. of Parks & Recreation 1994-2006. (Retired).

Dissertation title: Chemical and nutritional differences between two bird-dispersed fruits: *Ilex opaca* and *Ilex verticillata*

Advisor: Dr. Edmund W. Stiles

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Dissertation title: An M-estimator model for federal forest policy decision-making: an example of quantitative decision analysis with a normative basis.

Advisor: Dr. Edwin Green

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Dissertation title: Early life history variation of the Mummichog (*Fundulus heteroclitus*): egg size variation and its significance in reproduction and survival of eggs and larvae.

Advisor: Dr. Kenneth Able

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Dissertation title: Modes of origin and relative evolutionary ages of unisexual fish clones (Poeciliopsis: Poeciliidae.)

Advisor: Dr. Robert Vrijenhoek

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Dissertation title: The short term advantages of sexual reproduction : theoretical and experimental tests.

Advisor: Dr. Robert Vrijenhoek

1991 M.S.

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Advisor: Dr. Joan Ehrenfeld

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Advisor: Dr. Joanna Burger

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Dissertation title: Studies of ecological and geological factors controlling the pattern of tabonuco forests in the Luquillo Experimental Forest, Puerto Rico.

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Dissertation title: Genetic diversity, growth and survival in differentially distributed populations of the hard clam, *Mercenaria mercenaria*. .

Advisor: Dr. Richard Lutz

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Dissertation title: Parameters of habitat quality for epibenthic fishes and decapod crustaceans in New Jersey estuaries.

Advisor: Dr. Kenneth Able

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Dissertation title: Development of community structure in relation to disturbance and ecosystem fragmentation in Atlantic White Cedar Swamps in the Pinelands National Reserve, New Jersey.

Advisor: Dr. Ralph Good

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Dissertation title: Gradient analysis and classification of pitch pine (*Pinus rigida* Mill.) lowland communities in the New Jersey Pinelands.

Advisor: Dr. Ralph Good

1990 M.S.

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Advisor: Dr. Joan Ehrenfeld

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Advisor: Dr. Kenneth Able

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Advisor: Dr. Joanna Burger

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Advisor: Dr. Henry John-Alder

1989 Ph.D.

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Dissertation title: Clutch size and reproductive success in house wrens (*Troglodytes aedon*) and European starlings (*Sturnus vulgaris*.)

Advisor: Dr. Harry Power

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Dissertation Title: The development of freshwater wetlands of the Princeton-Jefferson Branch Marsh, Woodbury Creek, New Jersey.

Advisor: Dr. Ralph Good

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Dissertation Title: Asynchronous hatching, brooding reduction, and the adaptive significance of early incubation in the European starling (*Sturnus vulgaris*.)

Advisor: Dr. Harry Power

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Dissertation title: Determinants of nesting distributions in a New England seabird colony.

Advisor: Dr. Joanna Burger

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Dissertation title: North American bird-dispersed fruits : ecological and adaptive significance of nutritional and structural traits.

Advisor: Dr. Edmund Stiles

1989 M.S.**Charles Bristow**

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Thesis title: Interactions between phylogenetically distant predators: a salamander (*Notophthalmus viridescens*) and a fish (*Enneacanthus obesus*.)

Advisor: Dr. Peter Morin

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Thesis Title: The effects of water deficit stress on wetland plant species.
Advisor: Dr. Joan Ehrenfeld

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Meredith Lavery

Advisor: Dr. Joanna Burger

William Nieder

Advisor: Dr. Frank Trama

Jennifer Robinson

Advisor: Dr. Charles Roman

Jorge Saliva (Ph.D. E&E 1995)

Thesis title: The effect of experimental manipulation of vegetation density on nest-site selection in Sooty Terns.
Advisor: Dr. Joanna Burger
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Kevin Waterstripe

Advisor: Dr. Joanna Burger

1988 Ph.D.

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Dissertation Title: The relative effects of tidal currents, seston and bottom sediments on individual growth of *Mercenaria mercenaria* (Linne): Feeding ecology and aquacultural implications.
Advisor: Drs. Richard Lutz and Judith Weis

Joel Muraoka

Advisor: Dr. Steward T. A. Pickett

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Dissertation title: Compatible estimators for the components of growth and instantaneous volume calculated from remeasured horizontal point samples.

Advisor: Dr. Edwin Green

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Dissertation title: Microhabitat selection, foraging behavior, and resource partitioning among coexisting sexual and asexual forms of *Poeciliopsis* (Pisces: Poeciliidae.)

Advisor: Dr. Robert Vrijenhoek

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Dissertation title: Genetic variation in unisexual *Poeciliopsis*.

Advisor: Dr. Robert Vrijenhoek

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Dissertation Title: The effects of resource distribution, facilitation and predation on the structure of mycophagus fly communities: Manipulations of model system.

Advisor: Dr. Terry McGuire

1988 M.S.**Walter Carson** (Ph.D. Cornell)

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Thesis title: The role of resources and disturbance in the organization of an oldfield plant community.

Advisor: Dr. Steward T.A. Pickett

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Advisor: Dr. Joanna Burger

Duane Grembowicz

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Thesis title: Behavioral responses of four species of anuran larvae to predators.

Advisor: Dr. Peter Morin

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Thesis Title: Predicting measured heights from Diameters: An evaluation of various rules for subsampling hardwood tree heights.

Advisor: Dr. Edwin Green

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Dissertation title: The consequences of strip mine reclamation : vegetation and economics of reclaimed and unreclaimed sites in West-Central Pennsylvania.

Advisor: Dr. Joan Ehrenfeld

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National Labnet Co., Inc.

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Dissertation title: Intraspecific brood parasitism in the European starling (*Sturnus vulgaris*.)

Advisor: Dr. Harry Power

Carl Safina

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Blue Ocean Institute

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Dissertation title: Ecological interactions among prey fish, bluefish and common terns in a coastal Atlantic system:

Advisor: Dr. Joanna Burger

1987 M.S.

Allesandra Gaaasti-Bonardi

Advisor: Dr. Charles Leck

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Advisor: Dr. Paul Buckley

1986 Ph.D.

Mary Gastrich (Retired)

Division of Science, Research and Technology

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Dissertation title: The ecology of planktonic foraminifera and their symbiotic algae.

Advisor: Dr. Richard Bartha

John Graham

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Berry College

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Dissertation Title: Niche otogeny and progressive deviation in two congeneric sunfishes, *Enneacanthus obesus* and *E. gloriosus* (Centrarchidae.)

Advisor: Dr. Robert Vrijenhoek

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Dissertation title: Differences in tolerance to mercury between two populations of the grass shrimp *Palaemonetes pugio*.

Advisor: Dr. Judy Weis

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Asia-Pacific Program and Disaster Mitigation Program Coordinator

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Dissertation title: Disturbance and succession resulting from shifting cultivation in an upland rainforest in Indonesian Borneo.

Advisor: Dr. George Morren

Stephen Turner

Dissertation Title: Population dynamics of and, impact of fishing on, tilefish, *Lopholatilus*

chamaeleonticeps, in the Middle Atlantic-Southern New England region during the 1970's and early 1980's.

Advisor: Dr. Churchill Grimes

1986 M.S.

Kyra Ahl

Advisor: Dr. Joanna Burger

Judith Fox

Advisor: Dr. Paul Buckley

Rosemary Gattner

Advisor: Dr. Frank Trama

Brook Lauro

Advisor: Dr. Joanna Burger

Claire Mirande

Advisor: Dr. Joanna Burger

John Nemjo

Thesis Title: The impact of colonization history and vertebrate predation on larval odonates (*Odonata: Anisoptera*) in a Central New Jersey farm pond.

Patricia Waidelich

Advisor: Dr. J. Shisler

1985 Ph.D.

Katharine Parsons

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Massachusetts Audubon

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Dissertation title: Proximate and ultimate effects of weather on two heron species in Massachusetts.

Advisor:

David Smart

Dissertation title: Interrelationships of *Dermacentor variabilis* and other ectoparasites, their small mammal hosts and *rickettsiae* in central New Jersey.

Advisor:

Sharon Wander

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Dissertation title: Comparative breeding biology of the ovenbird in large vs. fragmented forests : implications for the conservation of neotropical migrant birds.

Advisor: Dr. Charles Leck

1985 M.S.

Margaret Barth

Advisor: Dr. Charles Leck

Thomas Cathcart

Advisor: Dr. Harold Haskin

Junda Lin

Advisor: Dr. Robert Loveland

Solomon Ovie

Advisor: Dr. Frank Trama

Herwasono Soedjiti

Advisor: Dr. Andrew Vayda

Wade Worthen (Ph.D. E&E 1988)

Advisor: Dr. Edmund Stiles

1984 Ph.D.

Jon Gabry

Dissertation title: Long-term effects of dredging and overboard disposal on the benthic invertebrates within Absecon Bay, New Jersey.

Advisor: Dr. James. Durand

Michael Lombardo

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Biology Department

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Allendale, MI 49401

Dissertation title: Relations between breeders and nonbreeders in a presocial species, the tree swallow (*Tachycineta bicolor*.)

Advisor: Dr. Harry Power

Gary Shugart

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Slater Museum of Natural History

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Dissertation title: The evolutionary significance of sociality in a densely nesting seabird species, the Caspian Tern (*Sterna caspia*.)

Advisor:

1984 M.S.

David Charette

Advisor: Dr. Joseph Shisler

Maurice Crawford

Advisor: Dr. Churchill. Grimes

Richard Erickson

Advisor:

Michael Graven

Advisor: Dr. Robert Vrijenhoek

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Natasha Kotliar

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Gudrun Marteinsdottir (Ph.D. E&E 1991)

Advisor: Dr. Robert Vrijenhoek

Jerry Pasquale

Advisor: Dr. Ralph Good

1983 Ph.D.

Stephen Brown

Research Scientist,
Environmental Protection Agency
MD

Mary Fitch

Dissertation title: The evolutionary significance of the pair bond in a long-lived monogamous avian species the herring gull *Larus argentatus*.

Advisor:

MaryAnn Foote

Dissertation title: The spatial and temporal distribution of suspended algae and nutrients in the upper Hackensack River estuary.

Advisor: Dr. Robert Loveland

Walter MacDonald

Dissertation title: Coastal - estuarine phytoplankton production and nitrogen utilization

Advisor:

Thane Pratt

Wildlife Biologist (Retired)
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Dissertation title: Seed dispersal in a montane forest in Papua New Guinea.

Advisor: Dr. Edmund Stiles

Patrick Slavin

Lecturer in Biology
Burlington County College
Advisor: Dr. Ralph Good

1983 M.S.

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Advisor: Dr. J. Crow

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Advisor: Dr. Joan Ehrenfeld

Joseph Fischl
Advisor: Dr. Joanna Burger

Lawrence Larson
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Advisor: Dr. Frank Trama

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James Vouglitois
Advisor: Dr. Kenneth Able

1982 Ph.D.

Jill Grover Olla
Advisor:

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City of South Plainfield, NJ
Dissertation title: Herbivore damage to bracken fern (*Pteridium aquilinum Kuhn*) in relation to tannin and foliar nectarines
Advisor: Dr. Ted Stiles

1982 M.S.

Vincent Di Gregorio
Advisor: Dr. Churchill Grimes

Katherine Duffy
Advisor: Dr. James Applegate

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Senior Naturalist
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Advisor: Dr. Joanna Burger

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Joseph Luczhovick
Advisor:

David Moore

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Vincent Nykiel

Advisor: Dr. Ralph Good

Virginia Plumeau

Advisor:

Wilson Rankin

Advisor: Dr. Steward T. A. Pickett

Carl Safina (Ph.D. E&E 1987)

Advisor: Dr. Joanna Burger

Susan Reynolds Shaw

Advisor:

Gary Shepherd

Advisor: Dr. Churchill Grimes

1981 Ph.D.

Thomas Lemke

Dissertation title: Foraging ecology of the long-nosed bat *Glossophaga soricina* with respect to resource availability and plant pollination.

Advisor: Dr. Joanna Burger

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Dissertation title: Polychlorinated biphenyl (PCB) and trichlorobenzene (TCB) plasticizers : Impact on microbial processes in the saltmarsh and soil ecosystems.

Advisor:

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Dissertation title: Nitrogen dynamics in a lagoon development and an adjacent salt marsh.

Advisor: Dr. Joanna Burger

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Advisor:

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NJ Department of Environmental Protection

Dissertation title: Nitrogen dynamics in the surface waters of the New Jersey Pine Barrens

Advisor: Dr. Charles Leck

1981 M.S.

John Braxton

Advisor: Dr. Kenneth Able

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Advisor: Dr. Richard Bartha

Neil Glenicki

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Priscilla Jones

Advisor:

Mark Kraus (Ph.D. E&E 1986)

Advisor: Dr. John Crow

Richard Morin

Advisor: Dr. Kenneth Able

1980 Ph.D.

Sharona Barzilay

Oakland, CA

Dissertation title: Orientation and homing of the wood turtle (*Clemmys insculpta*)

Advisor: Dr. David Ehrenfeld

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Dissertation title: Plant ecology of the upland-salt marsh transition zone surrounding several forest islands in southern New Jersey.

Advisor: Dr. Ralph Good

Didahally Govindaraju

Dissertation Title; Genetic variation, population structure, gene flow, and speciation in populations of *Pinus rigida* Mill., *P. serotina* Michx., *P. rigida-serotina* hybrids, and *P. taeda* L.

Advisor:

Anne Reynolds

Advisor:

1980 M.S.

Charlene Buser

Advisor: Dr. Charles Leck

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Advisor: Dr. Joanna Burger

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Assistant Professor
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Thesis title: Temporal distribution, age separation, and feeding habitat preference as factors in the ecological segregation of fall migrating shorebirds at Jamaica Bay Wildlife Refuge, New York City.

Advisor: Dr. Charles Leck

1979 Ph.D.

Frederik Schlauch

Advisor:

1979 M.S.

Robert Cartica

Advisor: Dr. James Quinn

Thomas Glenn

Advisor: Dr. J. Crow

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Advisor: Dr. Donald Caccamise

Stephen Nyman

Advisor: Dr. J. Crow

Richard Podolsky

Advisor: Dr. Charles Leck

Marianne Reese

Advisor: Dr. John Kappin

Paul Rowland

Advisor: Dr. Robert Loveland

1978 Ph.D.

Robert Kosinski

Advisor:

1978 M.S.

Leon Blaustein (Ph.D. UC-Davis)

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