

## 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.

Activities of the current graduate students and faculty may be found in the DEENR/E&E newsletter at [www-rci.rutgers.edu/~deenr/news.html](http://www-rci.rutgers.edu/~deenr/news.html).

If anyone would like the newsletter forwarded to them on a monthly basis, please contact Marsha Morin at [mmorin@aesop.rutgers.edu](mailto:mmorin@aesop.rutgers.edu) or 848-932-3213.

### 2016 Ph.D.

#### **Ashley DeNegre**

Project Leader  
Health Economics and Outcomes Research  
Medical Data Analytics  
Parsippany, NJ  
Dissertation title: Antibiotic Resistance Among the Aids-Immunocompromised: A model of its Influence on Microbial Evolution  
Advisor: Dr. Nina Fefferman

#### **Natalie Howe**

Dissertation title: Soil Lichen Communities of the New Jersey Pinelands and thie Effects on Belowground Patterns and Processes.  
Advisor: Dr. John Dighton

#### **Katalin Malcolm**

Dissertation title: Effects of Mercury on Phylloplane Funghi  
Advisor: Dr. John Dighton

#### **Molly MacLeod**

Associate Medical Writer  
Virtuoso Healthcare Communications  
Parsippany NJ  
Dissertation title: How do species abundance distributions influence plant – pollinator networks?  
Advisor: Dr. Rachael Winfree

#### **James Vasslides**

Program Scientist  
Barnegat 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**

Advisor: Dr. Richard Lathrop

**Alexis Kleinbeck**

Noxious Weed Specialist, Region 8  
Noxious Weed Control Program  
King County Washington  
Seattle, Washington  
Advisor: Dr. Steven Handel

**Karen Leu**

Program Associate / GIS Analyst  
Rutgers Cooperative Extension Water Resources Program  
Rutgers University

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**

Sr. Lab Technician  
SAS-DLS-Cell Bio & Neuroscience  
Rutgers University

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**

Postdoctoral Researcher  
National Audubon Society  
Audubon Rocky Mountain Regional Office  
Fort Collins CO

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

Advisor: Dr. Julie Lockwood

**Jeremy Feinberg**

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**

Senior Research Officer  
Entomology/Vector Biology  
James Cook University  
Cairns, 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**

Research Assistant  
Human Ecology Department  
Rutgers University

**Melissa Czinn**

Turtle Back Zoo  
West Orange NJ

**Sean Griffin**

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  
Applied Ocean Physics & Engineering  
Woods Hole Oceanographic Institute  
Woods Hole, MA

Advisor: Dr. Oscar Schofield

**Jenny Paterno**

Program Coordinator  
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**

AmeriCorp Watershed Ambassador

Advisor: Dr. Michael Sukhdeo

**Sarah Stewart**

Advisor: Dr. Rebecca Jordan

**2014 Ph.D.**

**Kevin Aagaard**

Post Doctoral Fellow  
Biologist/Ecologist  
United States Geological Survey  
La Crosse, Wisconsin

Dissertation title: The population dynamics of lag phases and collapses

Advisor: Dr. Julie Lockwood

**Brian Clough**

Postdoctoral Research Fellow  
USDA Forest Service  
University of Minnesota

Dissertation title: Bayesian approaches for mapping forest soil carbon: addressing spatial uncertainty

Advisor: Dr. Edwin Green

**Jean Deo**

Lecturer  
Hofstra 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

Center for Vector Biology

Rutgers University

Dissertation title: Ecological and evolutionary determinants of invasion success in mosquitoes

Advisor: Dr. Dina Fonseca

**Bradford Greening**

PE Fellow

Center for Disease Control

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

159 Sapsucker Woods Rd

Ithaca, NY

Dissertation title: Simple modeling solutions for complex conservation problems

Advisor: Dr. Julie Lockwood

**Alicia Shenko**

Lecturer

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 at Kean University

Advisor: Dr. Rebecca Jordan

**Kathleen Kerwin**

Research Technician

Rutgers University

Advisor: Dr. John Dighton

**Dean Lyon**

Instructor

West Point Naval Academy

Thesis title: The effects of coccoliths on photosynthesis in *Emiliana Huxleyi*

Advisor: Dr. Paul Falkowski

## **2013 Ph.D.**

### **Julian Avery**

Senior lecturer in Wildlife Ecology and Conservation

Curator ESM Natural History Collection

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**

STEM Policy Fellowship

Congressional Hispanic Caucus Institute

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 Holzapfel

### **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**

Continuing to Ph.D. in University of Nebraska, Lincoln

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**

Postdoctorate Fellow

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**

Assistant 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**

Exploration Postdoctoral Fellow

Julie Ann Wrigley Global Institute of Sustainability  
Arizona State University.

Phoenix, AZ

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**

Post-doctoral Scholar – Research Associate

Center for Dark Energy Biosphere Investigations  
University of Southern California

Los Angeles, California

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**

Post-Doctoral Fellow

University of Georgia, Athens

Athens GA

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**

Continuing to Ph.D. in Biodiversity, Earth and Environmental Sciences at Drexel University

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

**2011Ph.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**

Lecturer

Department of Biology

Rider University and 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**

Assistant 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  
University of Massachusetts Boston  
Boston, MA  
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**

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**

Assistant 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**

Assistant Professor  
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**

Assistant 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**

Assistant 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  
Daemon 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**

Assistant 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**

Associate Professor

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)**

Koc University  
Sanyar, 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 Masters 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**

Assistant 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  
Great Basin Institute  
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**

Visiting Research Scholar  
Rutgers University

Dissertation title: Ecological Change by Alien Plants in an Urban Landscape.

Advisor: Dr. Steven Handel

**Celine Santiago Bass**

Academic Chair  
Science Department  
Kaplan University.

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**

Assistant 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**

Assistant 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 23<sup>rd</sup> 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

**Paul 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  
Richard Stockton College Of NJ  
P.O. Box 195  
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**

Director, PSEG Institute for Sustainability Studies  
Montclair State University  
1 Normal Avenue  
CELS 100G  
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](http://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 Hebberger**

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**

Research Project Manager

Center for Urban Restoration Ecology

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/](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

Sylvan Green Earth Consulting

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

600 Lincoln Avenue

Charleston, IL 61920-3099

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

11 Hardscrabble Road

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

345 Middlefield Road / MS 480

Menlo Park, CA 94025

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

555 Red Lion Road

Huntingdon Valley, PA 19006

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

Department of Plant Sciences

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

### **Jill McGrady-Steed**

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.

Coralville, IA 52241

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

Advisor: Dr. Robert Vrijenhoek

**Scott Ruhren**

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**

Assistant Scientist in Biology  
Woods Hole Oceanographic Inst  
Woods Hole, MA 02543

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

**Eric Weissberger**

Maryland Department of Natural Resources  
Fisheries Service

580 Taylor Avenue B2

Annapolis, MD 21401  
Dissertation title: The effects of predation on recruitment of the surfclam, *Spisula solidissima*.

Advisor: Dr. Judith Grassle

**Mary Yurlina**

Certification Specialist  
Maine Organic Framers and Gardeners Association  
Unity, Maine

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

Advisor: Dr. Steven Handel

**1998 M.S.****Rajaseki Bandaru**

Advisor: Dr. Jody Hey

**Kier De Leo**

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

**Yuan He**

Advisor: Dr. Joan Ehrenfeld

## **1997 Ph.D.**

### **Elizabeth Elle**

Professor and Department Chair  
Department of Biological Sciences  
Simon Fraser University  
8888 University Drive  
Burnaby, BC V5A 1S6  
Canada

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

Advisor: Dr. Thomas Meagher

### **Gabrielle Vivian-Smith**

Chief Plant Health Officer  
Department of Economic Development, Jobs, Transport and Resources  
Melbourne  
Australia

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

### **Joseph Zurovchak**

Associate Professor  
Orange County Community College  
115 South Street  
Middletown, NY 10940

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

Advisor: Dr. Edmund Stiles

## **1997 M.S.**

### **Marnita Chintala**

Advisor: Dr. Judy Grassle

### **Catherine Devlin**

Coordinator of Student Assessment and  
Adjunct Science Faculty  
Greenfield Community College  
1 College Drive  
Greenfield, MA 01301

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

**Jason Stout**

Lecturer

Department of Natural Sciences

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**

Faculty

Academic Computing Health Sciences

University of Virginia

Charlottesville, Virginia 22908-0555

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

Advisor: Dr. Robert Vrijenhoek

**Jerald Dosch**

Director; Macalester Field Station

The Katharine Ordway Natural History Study Area (KONHSA).

Biology Department

Macalester College

1600 Grand Avenue

St. Paul, MN 55105

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

**Robert W. Gerwien**

Project Leader  
Pharmacogenomics  
555 Long Wharf Drive, 13th Floor  
New Haven, CT 06511  
Dissertation title: Thyroid regulation of growth and behavior in lizards.  
Advisor: Dr. Henry John-Alder

**Holly Hilton**

Principal Scientist  
Hoffman-LaRoche, NJ  
Dissertation title: Speciation and molecular evolution in the *Drosophila virilis* species group.  
Advisor: Dr. Jody Hey

**Mark Laska**

President and CEO  
Great Ecology, Inc.  
315 W 36th Street, 10th Floor  
New York, NY 10018  
&  
2251 San Diego Avenue Suite A218  
San Diego, CA 92110  
&  
1435 Larimer Street Suite 200  
Denver, CO 80202.  
Dissertation Title: Predicting the strength of competitive interactions from body sizes of zooplankton: Tests using experimental microcosms.  
Advisor: Dr. Peter Morin

**Paul McMillan**

Chair  
Pure and Applied Sciences Division - Biology  
Capilano College  
2055 Purcell Way  
North Vancouver  
British Columbia, Canada V7J 3H5  
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

**Lawrence Niles**

President  
Niles Associates  
109 Market Lane  
Greenwich NJ 08323  
Advisor: Dr. Joanna Burger

**Victoria Schmalhofer**

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**

Instructor

Univ. South Florida

4303 E. Fowler Ave.

Tampa, FL 33620

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

**Ellen Pehek**

Ecologist

City of New York Parks & Recreation

Natural Resources Group

Arsenal North, Room 237

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)

**David Shealer**

Assistant Professor  
Department of Biology  
Loras College

Dubuque, Iowa 52004-0178

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**

Associate Professor  
Biology Department  
University of North Florida  
1 UNF Drive

Jacksonville, FL 32224

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  
501 West Ocean Blvd, Suite 4470  
Long Beach, CA 90802

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**

Professor  
Department of Biological Science  
SUNY Binghamton  
PO Box 6000  
Binghamton, NY 13902

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 racoons (*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**

Director

Reese Institute for Conservation of Natural Resources

Lenoir-Rhyne University

Hickory, NC

Dissertation title: Resource predictability and the information center hypothesis

Advisor: Dr. Joanna Burger

**David Bushek**

Associate Professor and Director Haskin Shellfish Research Laboratory

Department of Marine and Coastal Sciences

Haskin Shellfish Research Laboratory

Rutgers University

6959 Miller Avenue

Port Norris, NJ 08349

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

Advisor: Dr. Standish Allen

**Thomas Fikslin**

Branch Head

DRBC Modeling and Monitoring

Delaware River Basin Commission

P.O. BOX 7360

West Trenton, NJ 08628-0360

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

Advisor: Dr. Joanna Burger

**Oscar Gaggiotti**

MASTS Professor  
Scotland Ocean Institute  
University of St. Andrews  
Fife, Scotland.

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

Advisor: Dr. Peter Smouse

**Steve Garber**

Director of Ecology  
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

**Dennis Gemmell**

President  
Princeton Ecology Education Services, Inc  
Princeton NJ.

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

Advisor: Dr. Timothy Casey

**Lynn Kurzava**

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

Advisor: Dr. Peter Morin

**Richard McBride**

Associate Research Scientist  
Florida Marine Research Institute  
100 8th Avenue S.E.  
St. Petersburg, FL 33701-5095

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

**Ole Folmer**

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  
Natural Areas Conservancy  
1234 Fifth Avenue  
New York, NY 10029  
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**

Acting Director, Living Oceans Program  
National Audubon Society  
550 South Bay Avenue  
Islip, NY 11751

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**

Environmental Scientist  
Downstream Strategies LLC  
Morgantown, WV

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**

Scientist (retired)  
NMFS Howard Labs, Sandy Hook, NJ  
74 McGruder Rd.  
Highlands, NJ 07732

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

**Robert Jordan**

Regional Biologist, Ducks Unlimited  
One DeKorte Park Plaza  
Lyndhurst, NJ 07071

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

**Kathleen Weathers**

Ecosystem Scientist  
Cary Institute of Ecosystem Studies  
Box AB  
Millbrook, NY 12545-0129

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

Advisor: Dr. Gene Likens

**Dushyantha Wijesinghe**

Lecturer  
School of Biological Sciences  
University of Sussex  
Falmer, Brighton BN19QG  
UK

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**

Proprietor  
Conservation Science Research & Consulting  
Spring Valley, CA 91977

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

Advisor: Dr. Joanna Burger

**Kashane Chalermwat**

Chair  
Department of Aquatic Science  
Burapha University Bangsean  
Chonburi,, Thailand

Dissertation title: Utilization of marine bacteria as a food source by *Mulinia lateralis* (Say) (Bivalvia: Mactridae.)

Advisor: Dr. Richard Lutz

**Hélène Cyr**

Professor  
Department of Zoology  
University of Toronto  
25 Harbord Street  
Toronto, Ontario M5S 3G5  
Dissertation title: Magnitude and patterns of herbivory in aquatic communities.  
Advisor: Dr. Gene Likens

**Ya-Ping Hu**

Research Technician  
Center for Advanced Biotechnology and Medicine  
Shen Lab, Room 225/227  
679 Hoes Lane  
Piscataway, NJ 08854  
Dissertation title: Identification and genetic analysis of early life history stages of oysters.  
Advisor: Dr. Richard Lutz

**José Facelli**

A. Professor  
Ecology and Evolutionary Biology  
The University of Adelaide  
SA 5005 Australian  
Dissertation title: Plant litter: direct and indirect effects in oldfield plant communities.  
Advisor: Dr. Steward T. A. Pickett

**Sharon Lawler**

Professor  
Department of Entomology  
University of California, Davis  
1 Shields Ave.  
Davis, CA 95616  
Dissertation Title: Effects of community structure on protist population dynamics in experimental microcosms.  
Advisor: Dr. Peter Morin

**Chris Peterson**

Professor  
Department of Botany  
2502 Plant Sciences  
University of Georgia  
Athens, GA 30602 - 7271  
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**

Richard V. Pouyat, Ph.D  
Bioclimatologist  
Environmental Science Research Staff  
US Forest Service  
Arlington, VA 22209  
Dissertation title: Soil characteristics and litter dynamics in mixed deciduous forests along an urban-rural gradient.  
Advisor: Dr. Steward T. A. Pickett

**Rodney Rountree**

Owner

Marine Ecology and Technology Applications, Inc

Barnstable/Yarmouth, Massachusetts Area

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

**Jeffery Sigadel**

Deputy Chief of Operations

Prospect Park

NYC Dept of Parks and Recreation

Advisor: Dr. Edmund Stiles

**Laura Wagner**

Thesis title: Equitability of parental investment in laughing gulls.

Advisor: Dr. Joanna Burger

**1991 Ph.D.****Martin Cipollini**

Dana Professor of Biology

Department of Biology

Berry College

PO Box 430

Mount Berry, GA 30149

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

Advisor: Dr. Edmund Stiles

**Margaret Berry Gargiullo**

Plant Ecologist for the Natural Resources Group,

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

**Mark Powell**

Fellow, Center for Risk Management  
Resources for the Future  
1616 P Street NW  
Washington, DC 20036-1400

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

**Gudrun Marteinsdottir**

Professor of Fisheries Science  
Department of Biology  
University of Iceland  
Reykjavík, Iceland

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. Robert Vrijenhoek

**Joseph Quattro**

Professor  
Biological Sciences and Marine Science  
University of South Carolina  
Columbia, SC 29208

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

Advisor: Dr. Robert Vrijenhoek

**Stephen Weeks**

Professor  
Department of Biology  
185 ASEC-W  
University of Akron  
Akron, OH 44325-3908

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

Advisor: Dr. Robert Vrijenhoek

**1991 M.S.**

**Oscar Gaggiotti** (Ph.D. E&E 1994)

Advisor: Dr. Robert Vrijenhoek

**Hilmur Oskersson**

Advisor: Dr. Joan Ehrenfeld

**Stephanie Reilly**

Advisor: Dr. Joanna Burger

**Margaret Schenk**

Advisor: Dr. Robert Vrijenhoek

**Kevin Staine**

Dr. Joanna Burger

## **1990 Ph.D.**

### **Khadga Basnet**

Professor

Department of Zoology

Tribhuvan University

Kathmandu, Nepal

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

Advisor: Dr. Gene Likens

### **Jill Pecon Slattery**

Staff Scientist

Laboratory of Genomic Diversity

National Cancer Institute

Building 560, Room 21-105

Frederick, MD 21702-1201

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

Advisor: Dr. Richard Lutz

### **Herweasono Soedjito**

Researcher

Herbarium Bogoriense

Bogor, Indonesia

Advisor:

### **Susan Sogard**

Ecology Branch Chief

National Marine Fisheries Service

National Oceanic and Atmospheric Association

Santa Cruz, CA 95060

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

Advisor: Dr. Kenneth Able

### **Dwight Stoltzfus**

Science Teacher

Plymouth Whitemarsh High School

201 Germantown Pike

Plymouth Meeting, PA 19462

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

### **Robert Zampella (Retired)**

Chief Scientist

New Jersey Pinelands Commission

PO Box 7

15 Springfield Road

New Lisbon, New Jersey 08064

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.**

### **Maureen Gorman**

Advisor: Dr. Joan Ehrenfeld

### **Susan Kaiser**

Advisor: Dr. Kenneth Able

### **Marian Mikovsky**

Advisor: Dr. Joanna Burger

### **Stephen McMann**

Advisor: Dr. Henry John-Alder

## **1989 Ph.D.**

### **E. Dale Kennedy**

Professor, A. Merton Chickering Professor of Biology and Chair

Department of Biology

Albion College

611 E. Porter St.

Albion, MI 49224

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

Advisor: Dr. Harry Power

**Richard Orson**

Owner:

Orson Environmental Consulting

Branford, CT

Part-time Faculty

Quinnipiac University

Hamden, CT.

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

Advisor: Dr. Ralph Good

**Philip Stouffer**

Professor

School of Renewable Natural Resources

RNR 227 (mail) 329 (office)

Louisiana State University and LSU AgCenter

Baton Rouge, LA 70803-6202

225-578-4221, fax 4227, pstouffer at lsu dot edu

<http://www.rnr.lsu.edu/pstouffer/default.htm>

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

Advisor: Dr. Harry Power

**Greggory Transue**

Director of General Biology

Division of Life Sciences,

Rutgers University

Piscataway, NJ

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

Advisor: Dr. Joanna Burger

**Douglas White**

Visiting Assistant Professor

Associate Director Center for Sustainability and the Environment

Department of Biology

Albion College

611 E. Porter St.

Albion, MI 49224

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**

Instructional Developer

Center for Teaching, Learning, and Technology

Illinois State University

Bloomington, IL

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

Advisor: Dr. Peter Morin

**Lisa Galloway Evrad**

Senior Program Coordinator  
Water Resources Program  
Rutgers University  
Advisor: Dr. Frank Trama

**Beverly Hahn**

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

**Sami Kahn**

Science Supervisor  
Collegiate School  
New York City, NY  
Advisor: Dr. Robert Loveland

**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  
(Deceased)

**Kevin Waterstripe**

Advisor: Dr. Joanna Burger

**1988 Ph.D.**

**Raymond Grizzle**

Research Professor of Biological Sciences  
Jackson Estuarine Lab  
85 Adams Point Road  
Durham, NH 03824

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

**Francis Roesch**

Mathematical Statistician  
USDA Forest Service  
Southern Research Station  
1 60A Zillicoa St.  
P.O. Box 2750  
Asheville, NC 28802

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

Advisor: Dr. Edwin Green

**Russell Schenck**

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

Advisor: Dr. Robert Vrijenhoek

**Jeffrey Wetherington**

Director  
Non Clinical/Phase I Biometrics  
DuPont Pharmaceuticals Company  
Wilmington, DE 19880

Dissertation title: Genetic variation in unisexual *Poeciliopsis*.

Advisor: Dr. Robert Vrijenhoek

**Wade Worthen**

Professor  
Biology Department  
Furman University  
Greenville, SC 29613

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)

Associate Professor  
Biological Sciences  
University of Pittsburgh  
Pittsburgh, PA

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

Advisor: Dr. Steward T.A. Pickett

**Victor Doig**

Advisor: Dr. Joanna Burger

**Duane Grembowicz**

Advisor: Dr. Joanna Burger

**Michelle Herman**

Advisor:  
Dr. Harry Power

**Charles Idelberger**

Advisor: Dr. Kenneth Able

**Joanne Laskowski**

Advisor: Dr. Charles Leck

**Sharon Lawler (Ph.D E&E 1992)**

Professor

Department of Entomology

University of California, Davis

1 Shields Ave.

Davis, CA 95616

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

Advisor: Dr. Peter Morin

**Margaret Mc Alary**

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

Advisor: Dr. Edwin Green

**Jay Zahner**

Advisor: Dr. Burt Murray

**1987 Ph.D.**

**Robert Hedin**

President

Hedin Environmental

195 Castle Shannon Boulevard

Pittsburgh, PA 15228

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

Advisor: Dr. Joan Ehrenfeld

**Linda Romagnano**

Product Manager

National Labnet Co., Inc.

Woodbridge, NJ

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

Advisor: Dr. Harry Power

**Carl Safina**

Founder and President

Blue Ocean Institute

Box 2383

Amagansett, NY 11930

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

### **Molly Gurien**

Instructor

Department of Biological Sciences

Ohio University

Advisor: Dr. Paul Buckley

## 1986 Ph.D.

### **Mary Gastrich (Retired)**

Division of Science, Research and Technology

NJ Department of Environmental Protection

PO Box 409

Trenton, NJ 08625-0409

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

Advisor: Dr. Richard Bartha

### **John Graham**

Reid Professor of Biology

Department of Biology

Berry College

P.O. Box 430

Mount Berry, GA 30149-0430

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

Advisor: Dr. Robert Vrijenhoek

### **Mark Kraus**

Chair, Natural Sciences Health and Wellness

Miami Dade College

300 NE 2nd Ave., Room 1540

Miami, FL 33132-3927

[mkraus@mdc.edu](mailto:mkraus@mdc.edu)

[dkraus@bellsouth.net](mailto:dkraus@bellsouth.net)

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

Advisor: Dr. Judy Weis

### **Cynthia Mackie**

Asia-Pacific Program and Disaster Mitigation Program Coordinator

US Forest Service International Programs

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**

Director; Long Pasture Wildlife Sanctuary

Massachusetts Audubon

Lecturer; Harvard Graduate School of Design

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**

Wander Ecological Consultants

28 Warner Road

Newton, NJ 07860-5059

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**

Professor

Biology Department

Grand Valley State University

1 Campus Drive.

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**

Curator of Collections

Slater Museum of Natural History

University of Puget Sound

Tacoma, WA 98416

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

**Amy Sue Green**

Environmental Consultant  
Advisor: Dr. Joanna Burger

**Natasha Kotliar**

Advisor:

**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)  
Pacific Island Ecosystems Research Center  
Biological Resources Division  
U.S. Geological Survey  
Volcano, Hawaii

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.**

**Nancy Brent**

Advisor:

**Catherine Brush**

Advisor: Dr. David Ehrenfeld

**Daniel Gastelu, Jr**  
Advisor: Dr. J. Crow

**Martha Gulick**  
Advisor: Dr. Joan Ehrenfeld

**Joseph Fischl**  
Advisor: Dr. Joanna Burger

**Lawrence Larson**  
Advisor:

**Vance Matthews**  
Advisor: Dr. Frank Trama  
**Robert Unnasuch**  
World Wildlife Fund  
Advisor: Dr. Donald Caccamise

**James Vouglitois**  
Advisor: Dr. Kenneth Able

## **1982 Ph.D.**

**Jill Grover Olla**  
Advisor:

**Alice Tempel**  
Environmental Specialist  
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

**Laurie Goodrich**  
Senior Naturalist  
Hawk Mountain Sanctuary PA  
Advisor: Dr. Joanna Burger

**Peter Himchak**  
Advisor: Dr. Churchill Grimes

**Stuart Katz**  
Advisor: Dr. Kenneth Able

**Joseph Luczhovick**  
Advisor:

**David Moore**

Advisor:

**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

**Andrew Marinucci**

Research Scientist I

New Jersey Department of Environmental Protection  
Division of Mitigation, Remediation, and Monitoring  
Bureau of Environmental Evaluation and Risk Assessment  
P.O. Box 413

Trenton, NJ 08625-0413

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

Advisor:

**Teruo Sugihara**

Section Chief, Bureau of Environmental Evaluation and Risk Assessment New Jersey  
Department of Environmental Protection  
401 East State St.  
PO Box 413

Trenton NJ 08625

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

Advisor: Dr. Joanna Burger

**Raymond Walker**

Advisor:

**Bonnie Zimmer (Retired)**

Division of Science and Research

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

**Dilrukshi Coorey**

Advisor: Dr. Richard Bartha

**Neil Glenicki**

Advisor:

**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

**Barry Frasco**

Assistant Director

Site Remediation and Waste Management Program

Division of Enforcement, Technical and Financial Support

Hazardous Site Science Element

401 E. State Street

Box 413

Trenton, NJ 08625

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

### **Mary Fitch**

Advisor: Dr. Joanna Burger

### **Christopher Sacchi**

Assistant Professor  
Department of Biology  
Kutztown University  
Kutztown, PA  
Advisor: Dr. Frank Trama

### **Wade Wander**

Wander Ecological Consultants

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

### **Linda Lyon**

US Fish and Wildlife Service  
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)

Professor

Dept. of Evolutionary and Environmental Biology

University of Haifa

Haifa 31905, Israel

Advisor: Dr. Fred Swift

**Deborah Jamison**

Advisor: Dr. Charles Leck