

CURRICULUM VITAE

KEVINA VULINEC

Professor, Wildlife Ecology
Department of Agriculture and Natural Resources
Delaware State University
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EDUCATION

Ph.D. University of Florida, Dissertation: "Dung Beetles, Monkeys, and Seed Dispersal in the Brazilian Amazon." 1999
M.S. University of Chicago, 1993
M.S. University of Cincinnati, 1983
B.A. Kent State University, 1978 (Graduation with Honors)

PROFESSIONAL EXPERIENCE

Professor, Department of Agriculture and Natural Resources, Delaware State University. August 2013-present.

Current research: Biodiversity conservation, anthropogenic change, and ecosystem function; Bat ecology in the US and Neotropics, including habitat use, ecosystem services, and conservation; bats and wind turbines; bats and coastal habitats, bats and migration patterns; white-nose syndrome in North American bats; Tropical ecology; seed-dispersal communities in the Amazon; community structure, hunting, and environmental disturbance; the value of secondary forest for seed dispersers, reforestation using natural dispersal agents; conservation, ecology, and behavior of Neotropical primates and dung beetles.

Courses taught at DSU:

- Mammalogy
- Ornithology
- Wildlife and Fisheries Management
- Advanced Wildlife Biology (Undergraduate/Graduate)
- Tropical Agriculture, Ecosystems, and Conservation (Field course in Neotropics)
- Experimental Design (Graduate)
- Conservation and Restoration Ecology (Graduate)

- General Ecology
- Non-majors Ecology

Affiliated Faculty, NOAA Environmental Cooperative Science Center (ECSC), Mentor and supervise students on coastal and estuarine environmental projects under the ECSC program. 2013-present

Senior Biologist; Instructor and Chiropterologist, Operation Wallacea, Cusuco National Park, Honduras. Organize and supervise 5 bat biologists and students in biodiversity sampling, acoustic monitoring. Instructor for Forest Ecology course. June-August 2015 - 2016.

Co-Instructor, Zoology in the Cloud Forest, La MICA Biological Station Fundación Centro de Investigación Biológica El Copé, S.A. (Panama) El Cope-La Pintada. Provincia de Coclé. Republica de Panama. January 2015. <http://www.lamica.org>

Part-Time Faculty Instructor, Pymatuning Laboratory of Ecology Field Station, University of Pittsburg, Pennsylvania, August 2013.

Researcher, Biological Dynamics of Forest Fragments Project, Instituto Nacional de Pesquisas da Amazônia, Manaus, Amazonas, Brazil and the Smithsonian Tropical Research Institution, Washington DC. 2011-present

Associate Professor, Department of Agriculture and Natural Resources, Delaware State University. 2006-2013.

Assistant Professor, Department of Agriculture and Natural Resources, Delaware State University. August 2001-2006.

Editorial Boards, Subject or Associate Editor
Biotropica, Association for Tropical Biology, 2003-2007.
Tropical Conservation Science, 2007-present.

Chair: Mid-Atlantic Chapter of the Ecological Society of America 2012-2013.

MARC*U STAR (Minority Access to Research Careers) Faculty Research Mentor: Delaware State University, 2012-2014.

Faculty Advisor Student Group: Co-advisor to the Delaware State University Wildlife Society Student Organization, 2008-present.

Student Affairs Committee Chair: The Wildlife Society MD-DE Chapter, 2003-2006.

Guest Professor, Antioch College, Brazilian Ecosystems Program, Antioch Education Semester Abroad: Amazon tropical rainforest ecology section, 2003.

Postdoctoral Research Associate, Department of Wildlife Ecology and Conservation, University of Florida. Forest Service project monitoring the effects of fire and fire surrogates on wildlife populations, including nesting birds, small mammals, and foraging woodpeckers in Florida pine flatwoods (with Drs. Kathryn Sieving and George Tanner); research on seed dispersal dynamics and habitat disturbance in the Brazilian Amazon; Class taught: Forest Wildlife Restoration. 2000-2001.

Postdoctoral Research Associate. Department of Zoology, University of Florida. Seed dispersers and fragmented forests in Uganda, Africa; selection pressures on seed size and shape (with Dr. Colin Chapman). 2000-2001.

Research Associate, Florida State Collection of Arthropods. 1997-present.

Environmental Specialist III, St. John's Water Management District, Field Office, Melbourne, Florida: Supervisor of Environmental Science Department at Melbourne Field Station; Duties: Designing and implementing water quality, and ecological field studies for freshwater floodplain marshlands and coastal ecosystems (atmospheric precipitation studies, willow growth following prescribed fire; effect of fire on marsh vegetation; water quality and vegetation correlates in maintaining habitat for endangered snail kites, dissolved oxygen and aquatic weed treatment; biodiversity and management of floodplain marsh; sea grass monitoring; lagoon and inlet water quality); managing contracts for applied research; analysis and interpretation of study results; supervision of field personnel. 1993-1995.

Assistant Curator of Entomology, Cincinnati Museum of Natural History; Duties: Curation (cataloging, handling loans and donations, maintenance); research; teaching and public service (public programs, summer science camp for teens, insect identifications and consultations); exhibits (script writing, research, design, and artwork). 1981-1986.

Temporary Faculty, University of Cincinnati; Anatomy and Physiology (lectures and coordination of laboratories, supervision of teaching assistants). 1981.

Part-time Faculty, Northern Kentucky University, Anatomy and Physiology, General Biology. 1981.

AWARDS

- Fulbright Scholar Alumni Ambassador appointment 2016-2018
- Nomination, University Faculty Excellence in Research Award, Delaware State University, 2015
- US Fish and Wildlife Service Faculty Fellowship to Puerto Rico, 2014
- Fulbright Faculty Scholar to Brazil, 2011 “Seed-Dispersing Bats in Fragmented Tropical Rainforest; Nocturnal Wildlife Audio-Video Technology Workshops for Students.”
- Faculty Excellence Award for Teaching, Delaware State University, 2008
- Fulbright-Hays Doctoral Scholar to Brazil, 1998
- Gahan Fellowship, University of Florida, 1997-1998
- Florida Center for Systematic Entomology Fellowship, 1996
- Dickinson Award for Tropical Agriculture, University of Florida, 1996
- Women in Agriculture Club Scholarship, University of Florida, 1996
- Merit Award Charles and Anne Morrow Lindbergh Foundation, 1996
- Theodore Roosevelt Fellowship, 1990
- Sigma Xi Grant-in-Aid of Research, 1990
- Smithsonian Graduate Fellowship for research in Costa Rica, 1989
- Hinds Fund Award from the University of Chicago, 1989
- Armour Fellowship from the Field Museum of Natural History, 1989

GRANTS, Principal Investigator (except where indicated)

- University of Delaware/First State Wind LLC; “Bat Mortality and Curtailment of the Wind Turbine at the University of Delaware Lewes Wind Turbine.” 2013-2014 (\$59,000)
- EPSCoR undergraduate student research assistants, Scholarship funding for two students. 2014.
- Maryland Department of Natural Resources, Lewes Wind Turbine Post-Construction Evaluation; “Wind Turbine and Bat Interaction Study: The Lewes, Delaware Wind Turbine as a Case Study.” 2013 (\$30,000)
- Academic Enrichment Delaware State University, Office of the Provost: “Seed-Dispersing Bats in Intact and Disturbed Tropical Rainforest.” 2012 (\$5875)
- HBCU-UP SMILE, Science & Mathematics Initiative for Learning Enhancement Undergraduate Research Support Minigrant; “Bat Activity and Insect Prey on Delmarva’s Golf Courses: Conservation of Ecosystem Functions on Altered Landscapes.” 2011 (\$4000+undergraduate stipend)
- Maryland Department of Natural Resources, Lewes Wind Turbine Post-Construction Evaluation; “Assessment of the Potential Attraction of Bats to the Lewes Turbine in Delaware.” 2011-2012 (\$20,000)

- Delaware State University Experimental Program to Stimulate Competitive Research seed Grant (EPSCoR), Co-PI, Dr. Virginia Balke, Delaware Tech Community College; Co-PI, Dr. Kirk Czymmek, University of Delaware; “Bats and White-Nose Syndrome on the Delmarva Peninsula: Scanning Electron Microscopy and Disease Proliferation.” 2011 (\$30,000)
- National Fish and Wildlife Foundation Grant; “Improving Golf Course Habitats to Facilitate Bat Conservation (DE, MD),” 2010-2012 (\$60,000)
- USDA Evans-Allen Grant; “Bat Activity and Conservation in Anthropogenically Disturbed Habitat: Testing Theory and Conservation.” 2010-2013 (\$90,000)
- Delaware State University Experimental Program to Stimulate Competitive Research seed Grant (EPSCoR); “Emerging Diseases in Bats on the Delmarva Peninsula: Integrating Stable Isotope Analysis and Genetic Techniques to Trace the Origin of Migratory Bats and Disease Proliferation.” 2010 (\$30,000)
- Professional Development, Delaware State University; “Biotic community assembly and disassembly in Cassava slash-and-burn fields in the central Amazon.” 2008 (\$3500)
- Natural Resources Conservation Service, First State Resource Conservation & Development Council, Inc.; “Habitat Restoration for Bats at the Smyrna Agriculture Outreach and Research Center, Delaware,” 2006-2008 (\$30,000)
- USDA Cooperative State Research, Education and Extension Service; “Wildlife and Ecosystem Services on the Delmarva Peninsula.” 2005-2008 (\$221,000)
- Capacity Building Grant, U.S. Department of Agriculture (USDA) through the Higher Education Program (HEP), Education Program: Co-Principal Investigator with Dr. R. Naczi: “Tropical Agriculture, Ecosystems, and Conservation in Belize,” 2005-2008 (\$200,000)
- Delaware State University Professional Development Grant; “Seed dispersal dynamics and seed dispersal communities in human modified landscapes at Alter do Chão, Brazil.” 2004-2005 (\$2613)
- Subcontractor on “Horseshoe Crab Research and Monitoring Program;” Virginia Polytechnic Institute and State University and DOC-NOAA, Dr. Jim Berkson, PI, 2003-2005 (\$20,000)
- Women’s International Science Collaboration, AAAS & NSF, with Dr. Albertina Pimentel Lima, Instituto Nacional de Pesquisas da Amazônia; “Seed dispersal dynamics and seed dispersal communities in forest fragments near Santarém, Brazil,” 2004 (\$3950)
- Professional Development Grant, Delaware State University, for Guest Professor Antioch Study Abroad Program, 2003 (\$1600)
- Association for Tropical Biology Travel Grant, 2003 (\$1000)
- USDA Cooperative State Research, Education and Extension Service; “Wildlife values of fragmented forests, wetlands, and agricultural land on the Delmarva Peninsula,” 2002-2005 (\$148,000)
- Delaware State Matching Funds Extension Research, 2001-2005 (\$90,000)
- Center for Field Studies (Earthwatch) Grant for research in Brazil; 2000-2002 (\$48,100)
- Charles and Anne Morrow Lindbergh Foundation Grant; 1997 (\$16,000)

MENTORING

Graduate Students: Masters' level:

Current:

- **Kimmi Swift:** Bats and solitary wind turbines: interactions, prey availability, and aerodynamics.
- **Megan Wallrichs:** Improving golf course habitats for bat conservation.

Graduated:

- **Brittany Sturgis:** Bats on the Delmarva Peninsula: variation in stable isotope levels during summer. Graduated 2013. Currently employed Environmental Scientist, Delaware Department of Natural Resources.
- **Kesha Braunskill:** Feral horses and seed dispersal on Assateague Island National Seashore, Graduated 2007. Currently Senior State Forester.
- **Marcia Fox:** Bat activity patterns on the Delmarva Peninsula, Graduated 2007. Currently employed Environmental Scientist, Delaware Department of Natural Resources.
- **Kerin Hume:** Maturity and conservation in female Horseshoe Crabs (*Limulus polyphemus*). Graduated 2008. Currently employed Environmental Scientist, Delaware Department of Natural Resources.
- **Roger Masse:** Breeding bird abundance in grasslands and forests in the Mid-Atlantic. Graduated 2009. Currently Assistant Professor, Stephen F. Austin State University, Texas.
- **Kelly Wolcott:** Bat activity in Delmarva farmland/woodland interfaces. Graduated 2008. Currently Environmental Biologist, Federal Energy Regulatory Commission.

Graduate Committee Member:

- **Armando Aispuro:** The application of the isotopic clock model at Gulf Barrier Islands: Diet shifting along a migratory gradient.
- **Marissa Brady:** Overwinter residency in the American Eel. Graduated 2011.
- **Patrick Erbland:** Diversity and aquaculture oyster farms. Graduated 2007.
- **Romulo Gabriel:** Ontogenic profile of newly identified pulmonary-associated avian surfactant proteins and collectins with presence of corticosterone. Department of Biology.
- **Mariammar Gutierrez:** Spring stopover ecology of *Catharus* Thrushes and Gray Catbird (*Dumetella carolinensis*) on a Gulf Coast barrier island in Northern Florida. Graduated 2016.
- **Courtney Janiak:** Development of hatchery and growout methods for the marine baitfish, *Fundulus heteroclitus*. Graduated 2013.

- **Mary Lambert:** The correlation between water quality and feral horse activity near recreational shellfish harvesting areas at Assateague Island National Seashore. Graduated 2007.
- **Melanie Mancuso:** Examining the energetic importance of two Gulf Coast Barrier Islands for transient birds during Spring migration.
- **Frank Marengi:** Oyster farming and species diversity in the Delaware Bay. Graduated 2009.
- **Jon McKenzie:** Viability of a freshwater mussel (*Elliptio complanata*) as a biological filter for aquaculture ponds. Graduated 2008.
- **Matthew Halley:** A genetic assessment of kinship, fertility, and alloparental behavior in the Veery (*Catharus fuscescens*). Graduated 2014.
- **Veronica McNair:** Recovery of apoptotic UV injured embryonic chicken myoblast; Department of Biology. Graduated 2006.
- **Brian Reckenbeil:** Assessment of Oyster (*Crassostrea virginica*) restoration within human altered shoreline in the Delaware Inland Bays: An examination of riprap stocked with the Eastern Oyster. Graduated 2013.
- **Jordan Zimmerman:** Age, growth, and reproduction of Black Drum (*Pogonias cromis*) in Delaware Bay, USA. Graduated 2016.

SERVICE (see also “Other Professional Experience” below)

Community: Chair: Mid-Atlantic Chapter of the Ecological Society of America 2012-2013; Board of Advisors, Claude E. Philips Herbarium, Delaware State University, 2009-present.

University: Title XI Equity Resolution Panel member; Chair, Ad Hoc Promotion and Tenure Appeals Committee; Faculty Senator; International Education Subcommittee; Faculty Research Committee; One Book, One Campus Committee; IACUC Committee; University Program Review Committee; Excellence Awards Committee; Subcommittee on Assessment of Student Learning.

Department: Chair of the Personnel Committee; Facilities Committee; Undergraduate Curriculum Committee; Graduate Curriculum Committee.

PUBLICATIONS (Peer-Reviewed Journals -- *Denotes Student Author)

Vulinec, K., *K. Swift, V. Balke, *L. Sweitzer, B. Sturgis, D. Powell. In press. Buckyballs and bats: Trace evidence points to trophic interactions. *Frontiers in Ecology and the Environment.*

- Krasucki, S. P., T. T. Nguyen, D. M. Reeder, B. Sturgis, **K. Vulinec**, J. V. McDowell, V. L. Balke. In review. Identification of bacteria isolated from wings of little brown bats (*Myotis lucifugus*) infected with white-nose syndrome (*Pseudogymnoascus destructans*).
- Swartz, M. T., B. Ferster, **K. Vulinec**, and G. Paulson. 2015. Measuring regal fritillary butterfly (*Speyeria idalia*) habitat requirements in south-central Pennsylvania: implications for the conservation of an imperiled butterfly. *Northeastern Naturalist* 22: 812-829.
- *López-Baucells, A., *R. Rocha, *I. Mayés-García, **K. Vulinec**, and C. F. J. Meyer. 2013. First record of *Micronycteris sanborni* (Chiroptera: Phyllostomidae) from Central Amazonia, Brazil: range expansion and description of echolocation. *Mammalia*: DOI 10.1515/mammalia-2013-0006.
- Nichols, E., M. Uriarte, D. E. Bunker, J. N. C. Louzada, T. Larsen, F. Vaz de Mello, **K. Vulinec**, M. Favila, E. Slade, S. Naeem, and S. H. Spector. 2013. Trait-dependent response of dung beetle populations to tropical forest conversion at local and regional scales. *Ecology* 94: 180-189.
- *Wolcott, K. A. and **K. Vulinec**. 2012. Bat activity at woodland/farmland interfaces in central Delaware. *Northeastern Naturalist* 19: 87-98.
- *Massé, R. J. and **K. Vulinec**. 2010. Possible impact of multiflora rose on breeding bird diversity in riparian forest fragments of central Delaware. *Northeastern Naturalist* 17: 647-658.
- Ferster, B. and **K. Vulinec**. 2010. Population size and conservation of the last remnants of the Eastern Regal Fritillary, *Speyeria idalia idalia* (Drury) [Lepidoptera: Nymphalidae]: implications for temperate grassland restoration. *Journal of Insect Conservation* 14: 31-42.
- Vulinec, K.**, A. P. Lima, *E. A. R. Carvalho-Jr. and D. J. Mellow. 2008. Dung beetles and long-term habitat fragmentation in Alter do Chão, Amazônia, Brazil. *Tropical Conservation Science* 1: 111-121.
- Ferster, B., B. R. Leppo, *M. T. Swartz, **K. Vulinec**, F. Habegger, and A. Mehring. 2008. Lepidoptera of Fort Indiantown Gap National Guard Training Center, Annville, Pennsylvania. *Northeastern Naturalist* 15: 141-148.
- Stoner K. E., P. Riba-Hernández, **K. Vulinec**, and J. Lambert. 2007. The role of mammals in creating and modifying seedshadows in tropical forests and some possible consequences of their elimination. *Special Section: The*

trickle down effects of hunting for plant regeneration in Neotropical forests. Biotropica 39: 316-327.

- Stoner, K. E., **K. Vulinec**, S. J. Wright, and C. Peres. 2007. Hunting and plant community dynamics in tropical forests: a synthesis and future directions. Special Section: *The trickle down effects of hunting for plant regeneration in Neotropical forests*. Biotropica 39: 385-392.
- Nichols, E., T. Larsen, S. Spector, A. Davis, F. Escobar, M. Favila, **K. Vulinec**. 2007. Global dung beetle response to tropical forest modification and fragmentation: A quantitative literature review and meta-analysis. Biological Conservation 137: 1-19. **"Top-50 most cited articles" published in Biological Conservation 2007-2010.**
- Vulinec, K.**, D. J. Mellow and C. R. V. da Fonseca. 2007. Arboreal foraging height in a common Neotropical dung beetle, *Canthon subhyalinus* Harold (Coleoptera: Scarabaeidae). Coleopterists Bulletin 61: 75-81.
- Vulinec, K.**, J. Lambert, and D. J. Mellow. 2006. Primate and dung beetle communities in secondary growth rainforests: Implications for conservation of seed dispersal systems. International Journal of Primatology 27: 855-879.
- Chapman, C. A., L. J. Chapman, **K. Vulinec**, A. Zanne, and M. J. Lawes. 2003. Fragmentation and alteration to seed dispersal processes: dung beetles, seed fate, and seedling diversity. Biotropica 35: 382-393.
- Vulinec, K.**, W. D. Edmonds, and D. J. Mellow. 2003. Biological and taxonomic notes on a rare phanaeine dung beetle, *Phanaeus alvarengai* Arnaud (Coleoptera: Scarabaeidae). Coleopterists Bulletin 57: 353-357.
- Vulinec, K.** 2002. Dung beetle communities and seed dispersal in primary forest and disturbed land in Amazonia. Biotropica 34: 297-309.
- Tirado Herrera, E., **K. Vulinec**, C. Knogge, and E. W. Heymann. 2002. Sit and wait at the source of dung – an unusual strategy of dung beetles. Ecotropica 8: 87-88.
- Sivinski, J., **K. Vulinec**, and M. Aluja. 2001. Ovipositor length in a guild of parasitoids (Hymenoptera: Braconidae) attacking *Anastrepha* spp. fruit flies (Diptera: Tephritidae) in southern Mexico. Annals of the Entomological Society of America 94: 886-895.
- Vulinec, K.** 2000. Dung beetles (Coleoptera: Scarabaeidae), monkeys, and conservation in Amazonia. Florida Entomologist 83: 229-241.

- Sivinski, J., **K. Vulinec**, E. Menezes, and M. Aluja. 1998. The bionomics of *Coptera haywardi* (Ogloblin) (Hymenoptera: Diapriidae) and other pupal parasitoids of Tephritid fruit flies (Diptera). *Biological Control* 11: 193-202.
- Vulinec, K.** 1997. Iridescent dung beetles: a different angle. *Florida Entomologist* 80: 132-140.
- Vulinec, K.** and S. P. Eudy. 1993. A southern range extension for the introduced dung beetle *Onthophagus taurus* Schreber (Coleoptera: Scarabaeidae). *Coleopterists Bulletin* 47: 129-130.
- Vulinec, K.** and M. C. Miller. 1989. Aggregation and predator avoidance in whirligig beetles (Coleoptera: Gyrinidae). *Journal of the New York Entomological Society* 97: 438-447.
- Vulinec, K.** 1987. Swimming in whirligig beetles (Coleoptera: Gyrinidae): A possible role of the pygidial gland secretion. *Coleopterists Bulletin* 41: 151-153.
- Vulinec, K.** and S. A. Kolmes. 1987. Temperature, contact rates, and interindividual distance in whirligig beetles (Gyrinidae). *Journal of the New York Entomological Society* 95: 481-486.
- Vulinec, K.** and R. A. Davis. 1984. Coleoptera types in the Charles Dury Collection of the Cincinnati Museum of Natural History. *Coleopterists Bulletin* 38: 232-239.
- Lewis, N., R. A. Davis, and **K. Vulinec**. 1984. A silver-haired bat, *Lasionycteris noctivagans* from Hamilton County, Ohio. *Ohio Journal of Science* 84: 215-216.

PUBLICATIONS (Book Chapters)

- Vulinec, K.** and J. E. Lambert. 2009. Neutral and Niche Perspectives and the Role of Primates as Seed Dispersers: A Case Study from Rio Paratari, Brazil. Invited chapter in: P. Garber, A. Estrada, J. Bicca-Marques, E. Heymann, K. Strier, (Editors). *South American Primates: Comparative Perspectives in the Study of Behavior, Ecology, and Conservation*. Pp: 321-340. Springer Publishers, N. Y.
- Vulinec, K.**, C. R. V. Fonseca, and D. J. Mellow. 2009. Scarabaeidae (Coleoptera: Lamellicornia) coprófagos da Reserva Florestal Aldofo Duce, Manaus, Brasil. Invited chapter in: C. R. V. da Fonseca, C. Margalhães, J. A. Rafael, E. Franklin (editors), *A Fauna de Artrópodes da*

Reserva Florestal Adolfo Ducke: Estado Atual do Conhecimento Taxonômico e Biológico. Pp: 249-261. Editora do Instituto Nacional de Pesquisas da Amazônia.

Vulinec, K. 1990. Collective security: Aggregation by insects as a defense. In: Insect defenses: Adaptive mechanisms and strategies of prey and predators. Eds. D. L. Evans and J. O. Schmidt. Pp. 251-288. SUNY Press, Albany, N. Y.

PUBLICATIONS (Letters to the Editor)

Nichols, E., T. Larsen, S. Spector, A.L. Davis, F. Escobar, M.E. Favila, **K. Vulinec.** 2008. Corrigendum to “Letter to the Editor: Response to Radtke et al.” Biological Conservation 141: 1932.

PUBLISHED SCIENTIFIC ARTWORK

Illustrations in “A Sea without Fish,” David L. Meyer and Richard Arnold Davis, authors, 2012, University of Indiana Press.

Capinera, J. Encyclopedia of Entomology, Volume 3 P-Z. 2004. Kluwer Academic Publishers. Used with permission from Sivinski, J. Ornaments in the Diptera. Florida Entomologist 80: 142-164. **PAGES 2472, 2474, 2476, 2479, 2480.**

Sivinski, J., K. Vulinec, and M. Aluja. 2001. Ovipositor length in a guild of parasitoids (Hymenoptera: Braconidae) attacking *Anastrepha* spp. fruit flies (Diptera: Tephritidae) in southern Mexico. Annals of the Entomological Society of America 94: 886-895. **PAGE 887.**

Sivinski, J., S. Marshall and E. Petersson. 1999. Kleptoparasitism and phoresy in the Diptera. Florida Entomologist 82: 179-197. **PAGE 192.**

Sivinski, J., K. Vulinec, E. Menezes, and M. Aluja. 1998. The bionomics of *Coptera haywardi* (Ogloblin) (Hymenoptera: Diapriidae) and other pupal parasitoids of Tephritid fruit flies (Diptera). Biological Control. 11: 193-202. **PAGES 194, 199.**

Featured Scientist/Artist on Biocreativity Blog
by <http://biocreativity.wordpress.com/2011/10/27/eco-art-science-illustrator-wildlife-biologist-kevina-vulinec/>

The Florida Scrub Coloring Book. 1996. M. Deyrup and K. Vulinec.

INVITED PRESENTATIONS (* Denotes student author)

Vulinec, K. 2014. Bat habitat use in Cabo Rojo National Wildlife Refuge, Puerto Rico. Closing Ceremony and Presentations for the US Fish and Wildlife Service Summer Faculty Fellowship Program.

Vulinec, K. 2013. Scaredy-Bat? Bat Behavior and the Ecology of Fear. Salisbury University Biology Department Seminar Program.

Vulinec, K., P. E. D. Bobrowiec, *I. Garcia Mayes. 2012. Acoustic analysis of fruit bat activity in fragmented Central Amazonian forest. Invited Symposium: Ecosystem Function, Ecology and Evolution of Bats: A Tribute to the Memory of Elisabeth K.V. Kalko (Vulinec, Co-organizer), Annual Meeting Association of Tropical Biology, Bonito, Brazil.

Vulinec, K. 2011. Bats in the Belfry, Fairway, Turbine, Farm, Rainforest: Saving Bats Worldwide. Washington DC Showcase of Delaware State University Research Programs.

*Wallrichs, M. A. and **K. Vulinec.** 2011. Golf courses: An innovative opportunity for bat conservation. Ecological Society of America Annual Meeting, Austin, Texas.

Vulinec, K. 2011. Secondary Forests in the Amazon: Wildlife Communities and Seed Dispersal. Biological Dynamics of Forest Fragments Project (BDFFP) Seminar; Instituto Nacional de Pesquisas da Amazônia, Manaus, Brazil.

Vulinec, K. 2007. Dung beetles and monkeys: Amazon rainforest disturbance, seed dispersal, and reforestation. CERC Seminar Series, Department of Ecology, Evolution, and Environmental Biology, Columbia University.

Vulinec, K. and D. Mellow. 2007. Fear and loathing in the rainforest: Hunting and primate behavior in the Americas. Symposium paper in Primates at Risk: Conservation concerns and indigenous anthropogenic landscapes (K. Vulinec and K. Stoner, co-organizers). Association for Tropical Biology and Conservation, Annual Meeting, Morelia, Mexico.

Vulinec, K. 2007. Dung beetles and monkeys: the evolution of diplochory? Rutgers Entomology Seminars. New Brunswick, New Jersey.

Vulinec, K. 2006. The role (roll) of dung beetles: Amazon rainforest disturbance, secondary seed dispersal, and reforestation. Entomological Society of America Annual Meeting, Indianapolis, Indiana.

- Vulinec, K.** 2005. How to Build a Rainforest: Seed dispersers, reforestation, and the local peoples of the Amazon. Invited Faculty Presentations, Delaware State University, Center for School Change and Excellence in Teaching.
- Vulinec, K.** 2005. Primate and dung beetle communities in the Amazon: the link between primary and secondary seed dispersal. Symposium: Forest Regeneration in the Tropics: the role of mammals from species to community level. Association for Tropical Biology and Conservation, annual meeting, Uberlândia, Brasil.
- Vulinec, K.** 2004. Seed disperser communities and predictions of seed fate. Rutgers University, Department of Ecology, Evolution, and Natural Resources Seminar.
- Vulinec, K.** 2004. Dung beetles, seed dispersal, and community assemblages in the Amazon Basin. Symposium: Interactions and Dynamics between Primary and Secondary Seed Dispersers. (K. Vulinec and P.-M. Forget, co-organizers). Association of Tropical Biology and Conservation Annual Meeting, Miami, Florida.
- Vulinec, K.** 2004. How to Build an Amazon Rainforest: Interactions among Monkeys, Beetles, Trees, and the Local People. Delaware State University, Agriculture and Natural Resources Spring Seminar Series.
- Vulinec, K.** 2003. Primates, dung beetles, and the dynamics of seed dispersal in the Amazon Basin. Organization for Tropical Studies, La Selva, Costa Rica.
- Chapman, C. A., L. J. Chapman, **K. Vulinec**, A. Zanne. 2002. Fragmentation and alteration in seed dispersal processes: Dung beetles, seed fate, and seedling diversity. Association for Tropical Biology Symposium on Tropical Forest Fragmentation, Panama City, Panama.
- Vulinec, K.**, C. R. V. Fonseca, D. Mellow. 2002. Os coleopteros coprófagos (Scarabaeidae) da Reserva Aldofo Ducke, Manaus, Brasil: Ecologia e conservação. 19° Congresso Brasileiro de Entomologia, Manaus, Brazil.
- Vulinec, K.** 2001. Primates, dung beetles, and seed dispersal in the Amazon Basin. Departmental Seminar. Department of Aquaculture, Fisheries, and Wildlife, Clemson University, Clemson, South Carolina.
- Vulinec, K.** 2001. Primates, dung beetles, and seed dispersal in the Amazon Basin. Departmental Seminar. Department of Biology, Mesa State College, Grand Junction, Colorado.

- Vulinec, K.** 2000. Dung beetle – monkey interactions in the Brazilian Amazon. Departmental Seminar Series, Wildlife Ecology and Conservation, University of Florida, Gainesville, Florida.
- Vulinec, K.** 1999. Dung beetles, monkeys, and conservation in the Brazilian Amazon. Behavioral Ecology Symposium, Florida Entomological Society, San Juan, Puerto Rico.
- Vulinec, K.** 1998. Dung beetles, monkeys, and seed dispersal in the Amazon Basin. Ecology Department Seminar; Instituto Nacional de Pesquisas da Amazônia, Manaus, Brazil.
- Vulinec, K.** 1998. Dung beetles, monkeys, and conservation in the Amazon. Southeastern Branch Entomological Society of America. Symposium on Insect Conservation.
- Vulinec, K.** 1996. Iridescence in insects. Symposium, Florida Entomological Society Annual Meeting, Clearwater, Florida.
- Vulinec, K.** 1996. Dung beetles and deforestation on the Osa Peninsula, Costa Rica, and in Rondônia, Brazil. Instituto de Ecologia, Xalapa, Mexico.

CONTRIBUTED PRESENTATIONS (*Denotes student author)

- Morton, C.* **K. Vulinec**, L. Lester, C. Heckscher. 2016. Differences in the activity of Eastern Red Bat (*Lasirus borealis*) among coastal regions and mainlands. Honors Day, Student Presentations, Delaware State University.
- Vulinec, K.**, L. Rodriguez-Sanoguet, O. A. Díaz-Marrero, B. Murry. 2015. Bat communities and activity along a coastal zone in Puerto Rico: Risk from climate change. Ecological Society of America Annual Meeting, Baltimore, MD.
- Vulinec, K.** and K. Braunskill. 2015. Delaware State University College Woods: A bird in the hand? Rapidly evolving status of a campus natural area. Ecological Society of America Annual Meeting, Baltimore, MD. Ignite Session: Protecting Campus Natural Areas From Development: Creating a Legacy into the Next Century; Organizer: C. A. Haas, Co-organizers: **K. Vulinec** and M. McIntosh.
- *Swift, K. J. and **K. Vulinec**. 2015. Bat interaction with a solitary wind turbine along the Delaware coast. Ecological Society of America Annual Meeting, Baltimore, MD.

- *Ellsaesser, B., *K. Swift, **K. Vulinec**. 2015. Interpretation of bat calls at the University of Delaware wind turbine in Lewes, DE. Honors Day, Undergraduate presentations of research, Delaware State University, Dover, DE.
- *Swift, K., **K. Vulinec**, *M. Wallrichs, *K. Horton, G. Shriver, J. Buler. 2014. Solitary turbines and bats: Preliminary results from a case study in Lewes, Delaware. MAESA Annual Meeting, College Park, Maryland.
- Vulinec, K.** 2014. Bats and Fear, Implications for Habitat Use. Gordon Research Conference on Predator-Prey Interactions. Ventura, California.
- *Wallrichs, M. and **K. Vulinec**. 2013. Birdies, Eagles, and...Bats? Bat Activity and Bat Conservation Efforts on Golf Courses in Delaware. 16th International Bat Research Conference, 43rd North American Symposium on Bat Research, San Jose, Costa Rica.
- *Swift, K., **K. Vulinec**, *M. Wallrichs, J. Buler, G. Shriver, and *K. Horton. 2013. Solitary Turbines and Bats: Preliminary Results from a Case Study in Lewes, Delaware. 16th International Bat Research Conference, 43rd North American Symposium on Bat Research, San Jose, Costa Rica.
- Vulinec, K.**, P. E. Bobrowiec, *A. López-Baucells, *I. Garcia Mayes, D. J. Mellow. 2013. Acoustic analyses of bat activity in fragmented central Amazonian forest. Association of Tropical Biology and Conservation, San José, Costa Rica.
- *Wallrichs, M. A. and **K. Vulinec**. 2013. Birdies, eagles, and...bats? Unexpected public outreach opportunities for bat conservation on golf courses. Mid-Atlantic Chapter of the Ecological Society of America Annual Meeting, Dover, Delaware. (Second Place Graduate Student Oral Presentation Award).
- Vulinec, K.** *M. A. Wallrichs, *K. Swift, *K. Horton, G. Shriver, J. Buler. 2013. Solitary turbines and bats: preliminary results from a case study in Lewes, Delaware (Poster Paper). Northeast Bat Working Group (NEBWG), 2013 Annual Meeting, Albany, New York.
- *Wallrichs, M. A. and **K. Vulinec**. 2012. Investigating golf course landscapes as viable bat habitat. Mid-Atlantic Chapter of the Ecological Society of America Annual Meeting, Blacksburg, Virginia.
- Vulinec, K.** 2012. Bats, Fruit, and the Amazon Forest. Northeast Bat Working Group (NEBWG), 2012 Annual Meeting, Carlisle, Pennsylvania.

- *Wallrichs, M. A. and **K. Vulinec**. 2012. Bat activity on golf courses in the Delmarva Peninsula. Northeast Bat Working Group (NEBWG), 2012 Annual Meeting, Carlisle, Pennsylvania.
- Nichols, E. S., M. Uriarte, D. E. Bunker, T. H. Larsen, F. Z. Vaz de Mello, **K. Vulinec**, M. Favila, S. Naeem, and S. H. Spector. 2011. A global assessment of dung beetle species correlates of extinction proneness in human-modified tropical forest. Ecological Society of America Annual Meeting, Austin, Texas.
- *Benson, B. E. and **K. Vulinec**. 2011. The bats of the Delmarva Peninsula: Refining the technique of stable hydrogen isotope analysis to determine bat origin and movement (Poster Paper). Ecological Society of America Annual Meeting, Austin, Texas.
- *Downes, A., *B. Benson, *M. Wallrichs, *J. Collins, *A. Haynes, K. Braunskill, **K. Vulinec**. 2010. Bats, Ectoparasites, and Reproductive Conditions in Delaware Maternity Colonies (Poster Paper). EPSCoR student intern presented at the University of Delaware Undergraduate Research and Service Celebratory Symposium (Aug 2010) and the INBRE-EPSCoR Summer Seminar Series (July 2010).
- *Masse, R. J. and **K. Vulinec**. 2009. Avian diversity and wood thrush habitat quality in small riparian forests of north-central Delaware (Poster Paper). 94th Annual Meeting of the Ecological Society of America, Albuquerque, New Mexico.
- Vulinec, K.**, S. Yost, *M. Brady, *M. Breece, *J. Fay, *J. Hayes, *Y. Lin, *R. J. Masse, *J. Moore, *K. Provost, *B. Reynolds, and *C. Starke. 2009. Using a semester class to teach and inventory biodiversity: The conservation of the College Woods at Delaware State University; our tiny but threatened piece of the natural world (Poster Paper). 94th Annual Meeting of the Ecological Society of America, Albuquerque, New Mexico.
- *Masse, R. and **K. Vulinec**. 2009. Avian diversity and wood thrush productivity; habitat quality in small riparian forests of Delaware's Coastal Plain (Poster Paper). The Mid-Atlantic Ecological Society of America (ESA) and the Society for Ecological Restoration (SER) Conference. The College of New Jersey, Ewing, NJ.
- *Wolcott, K., **K. Vulinec**, *G. Brisbane, *R. Young, *L. Howe, *S. Pakeman, and *L. Bernberg. 2007. A comparison of bat activity in clear-cuts and forest edges in Toledo District, Belize, and Delaware, USA (Poster Paper). Association for Tropical Biology and Conservation, Annual Meeting, Morelia, Mexico.

- *Braunskill, K. and **K. Vulinec**. 2006. Seed Dispersal by Feral Horses on Assateague Barrier Island (Poster Paper). Ecological Society of America, Annual meeting, Memphis, Tennessee.
- *Braunskill, K. and **K. Vulinec**. 2006. Seed Dispersal by Feral Horses on Assateague Barrier Island (Poster Paper). 1890 Land-Grant Universities, Association of Research Directors, Inc. 14th Biennial Research Symposium, Atlanta Georgia.
- Vulinec, K.**, and A. P. Lima. 2005. Amazon dung beetle community variation, secondary seed dispersal, and forest regeneration. Society for Conservation Biology International Meeting, Brasilia, Brazil.
- *Braunskill, K. and **K. Vulinec**. 2005. Feral horses and seed dispersal of dune-building grasses (Poster Paper). Society for Conservation Biology International Meeting, Brasilia, Brazil.
- *Fox, M., and **K. Vulinec**. 2005. Bat activity patterns in Bombay Hook National Wildlife Refuge, Delaware (Poster Paper). Society for Conservation Biology International Meeting, Brasilia, Brazil.
- *Hume, K., **K. Vulinec**, and J. Berkson. 2005. Horseshoe crabs, conservation and a method for determining reproductive condition (Poster Paper). 18th International Conference of the Estuarine Research Federation, Norfolk, Virginia.
- Vulinec, K.** 2004. Tropical dung beetles, seed dispersal, and the conservation of ecosystem processes (Poster Paper). Expanding the Ark: The Emerging Science and Practice of Invertebrate Conservation Conference, American Museum of Natural History.
- *Hume, K., **K. Vulinec**, and J. Berkson. 2004. Horseshoe crabs, conservation, and a method for determining reproductive condition (Poster Paper). Expanding the Ark: The Emerging Science and Practice of Invertebrate Conservation Conference, American Museum of Natural History.
- Vulinec, K.** 2003. Seed disperser communities and secondary forest in the Brazilian Amazon. Association for Tropical Biology and the British Ecological Society Annual Conference, Aberdeen, Scotland. (Session Chair).
- Vulinec, K.**, J. E. Lambert, D. Mellow. 2002. The value of secondary growth for seed dispersers in tropical forests. Association for Tropical Biology Annual Conference, Panama City, Panama.
- Contreras, T. A., K. E. Sieving, **K. Vulinec**, K. Outcalt, and G. W. Tanner. 2002. Progress report on wildlife surveys at FFS sites in the Myakka River State Park, Florida. Fire Science and Fire Management in Southern Forest: Workshop, Sarasota and Myakka River State Park, Florida.

Vulinec, K. and D. Mellow. 2001. Monkeys, beetles, and the Amazon forest. Center for Field Research Principal Investigator Annual Conference, Tufts University, Massachusetts.

Vulinec, K. 2000. Dung beetles, monkeys, and seed dispersal in the Brazilian Amazon. 3rd International Symposium on Frugivores and Seed Dispersal. São Pedro, Brasil.

Vulinec, K. 1995. Dung beetles and deforestation on the Osa Peninsula in Costa Rica: Florida Entomological Society 3rd Annual Caribbean Conference, San José, Costa Rica.

Vulinec, K. 1994. Wetland diversity and management: The upper St. Johns River project in Florida, USA. Society for Conservation Biology International Meeting, Guadalajara, Mexico.

WORKSHOPS ORGANIZED:

Kevina Vulinec, Joseph Szewczak, Priscilla Alpízar. 2013. Bat capture and acoustic recording techniques. Association for Tropical Biology and Conservation Annual Meeting, Tirimbina Biological Station, Costa Rica. 7 Participants.

Kevina Vulinec. 2011. Bat capture and acoustic recording techniques (In Portuguese). Biological Dynamics of Forest Fragments Project (BDFFP); Instituto Nacional de Pesquisas da Amazônia, Manaus, Brazil. 10 Participants.

Kelly Wolcott and Kevina Vulinec. 2007. Bat detection using ultrasonic techniques with emphasis on heterodyne and time-expansion detection methodologies. Association for Tropical Biology and Conservation, Annual Meeting, Morelia, Mexico. 40 Participants.

PRESENTATIONS & ARTICLES FOR THE PUBLIC

Publications

Vulinec, K. 2008. Bats in your garden. Delaware State News, Garden column, 7 Sept.

Nesheim, O. N., and **K. Vulinec.** 2001. Florida Crop/Pest Management Profile: Eggplant. CIR 1264, the Pesticide Information Office, Florida Cooperative Extension Service, Institute of Food and Agricultural Sciences, University of Florida.

Vulinec, K. 2000. Dung Beetles and Seed Dispersal. Earthwatch Institute Magazine, March issue.

Deyrup, M., and **K. Vulinec.** 1996. The Florida Scrub Coloring Book. Archbold Biological Station, Lake Placid Florida.
<http://www.archbold-station.org/abs/education/colorbook/colorindex.htm>

Vulinec, K. 1995. Most parental sharing of brood care. University of Florida Book of Insect Records. <http://ufbir.ifas.ufl.edu/>

Presentations & Media Features

Presentation to Rotary International, Delaware: Are You Afraid of the Big Bad Bat? 2016.

Fulbright Scholar Program: Scholar Profile, 2014. <http://www.cies.org/videos>

Presentation to the Delaware Sierra Club: 2012. How to Build a Rainforest: Critters and Seed Dispersal.

ECO Art + Science articles on the Biocreativity Blog (Author: Dr. Hayley Gillespie, University of Texas): October 27: 2011. Illustrator + Wildlife Biologist Kevina Vulinec (<http://wp.me/p1FpZg-bq>)

Megan Wallrichs and Kevina Vulinec: Brochure for Delaware FFA Foundation Golf Tournament Luncheon October 6th 2011. Can Golf Partner with Bat Conservation for a Greener Future?

ScienceNOW: Do Golf Courses Make Good Bat Habitats? By Yasmin Ogale 12 August 2011. <http://news.sciencemag.org/sciencenow/2011/08/do-golf-courses-make-good-bat-ha.html>

Delaware State University News: 2011. DSU's Dr. Vulinec Makes her Mark as a Bat Ecologist in Brazil: <http://desu.edu/dsus-dr-vulinec-makes-her-mark-bat-ecologist-brazil>

Delaware State University News: 2010. DSU's Dr. Kevina Vulinec Named as Fulbright Scholar: <http://desu.edu/dsus-dr-kevina-vulinec-named-fulbright-scholar>

Delaware State News: "Bats in Trouble? Fungus may Destroy Population." 10 May 2010.

Innovative Technologies Breakfast, Delaware State University: "Living with Humans: How Technology Can Help Wildlife Survive the 21st Century." 2009.

Presentation to First State Resource and Development Council, Dover, Delaware:
“How bats use farms.” 19 May 2008.

http://www.de.nrcs.usda.gov/partnerships/rcd/bat_signing.html

Delaware News Journal: “Bats: Learn the not-so-scary truth.” 26 Oct. 2007.

Pulse of the Planet, (<http://www.pulseplanet.com/>): Audio Diaries and Science
Blog, July, 2006-present. Bats, Beetles, and Biodiversity.

Delaware State News: “DSU professor loves pulse of wildlife,” 3 Sept 2006.

Delaware State News: “DSU to study flying mammals,” 3 Sept 2006.

National Geographic News: “For Dung Beetles, Monkey Business Is Serious
Stuff”:http://news.nationalgeographic.com/news/2004/05/0526_040526_dungbeetles.html, May 2004.

National Geographic Kids News: “Dung Beetles Help Forest by Eating Monkey
Business”:
http://news.nationalgeographic.com/news/2004/05/0526_040526_dungbeetles.html, May 2004.

Prime Hook National Wildlife Refuge Seminar Series: “The importance of seed
dispersal in the Amazon”, April 2005.

Pulse of the Planet, (<http://www.pulseplanet.com/>): Radio Interview, May-June,
2004. Primates, dung beetles and seed dispersal.

Dover Cultural Exchange Association: “The importance of seed dispersal to local
communities in the Amazon”, Oct. 2003.

American Association of University Women, Delaware Chapter, Annual Banquet,
Keynote Address: “Seed dispersal and reforestation in the Amazon”, Apr.
2003.

League of Women Voters, Delaware Chapter: “Seed dispersal and reforestation in
the Amazon”. Oct. 2002.

Rotary International, Delaware Chapter: “How to build a rainforest: seed dispersal
and reforestation in the Amazon Basin” Sept. 2002.

Consultant and Beetle Wrangler (in Brazil): Icon Films, East Anglia, U.K.,
“Journey to Amazonas”. PBS 23 Feb. 2000.

OTHER PROFESSIONAL EXPERIENCE

Invited Participant, LEAD2015 Forum hosted at Delaware State University on March 30-31, 2015

Invited Panelist, U.S. Scholar panel discussion at the Advisory Board meeting, Fulbright Scholar Program, Council for International Exchange of Scholars (CIES), Institute of International Education (IIE), June 2013.

Invited Participant, Training in Bayesian Modeling for Practicing Ecologists, Colorado State University in Fort Collins, CO. NSF Funded May 2013.

Invited Peer Review Committee Member, U.S. regional peer review committee for 2013-2016 U.S. Fulbright scholar applications. 2012-2014, Washington DC.

Participant, Bat Conservation and Management, Inc. Workshop for Acoustic Techniques in Bat Research, Albany, New York, January 2013.

Invited Panelist and Mentor, ATBC's Gender Committee hosted a Women's mentoring workshop, Association for Tropical Biology and Conservation Annual Meeting, Bonito, Brazil 2012.

Invited Panelist, 2011 CARS Research Day Graduate Panel, November 2011, (Panelists - Dr. Jungmi Oh, Dr. Sathya Elavarthi, Dr. Kevina Vulinec, Dr. Dewayne Fox, Matt Haley, Yaqoob Thurston), Delaware State University, College of Agriculture and Related Sciences.

Participant, Bat Conservation International Workshop for Advanced Techniques in bat ecological methodology, Laurel, Maryland, September 2010.

Invited Panel Reviewer, Managed Ecosystems Panel, Competitive Programs, Cooperative State Research, Education, and Extension Service / USDA, Washington DC, August 2009.

Participant, White Nose Syndrome in Bats Workshop, National Institute for Mathematical and Biological Synthesis (NIMBios), University of Tennessee, Knoxville, Tennessee, 2009.

Student Poster Paper Judge, Faculty and Student Development Workshop: "Geographic Information Systems," 2007.

Participant, Bat Management Techniques Workshop, Great Swamp National Wildlife Refuge, New Jersey, May 2006.

Participant, Bat Conservation International Workshop for bat ecological methodology, Harrisburg, Pennsylvania, August 2003.

Participant, Smithsonian GIS Workshop for Conservation Biology, Front Royal, Virginia, March 2003.

Participant, Bat Conservation International Workshop for ultrasonic detectors, Austin, Texas, April 2002.

Faculty Advisor, Sigma Alpha Sorority for Women in Agriculture and Related Sciences, DSU Chapter. 2002-2004.

GIS Workshop Coordinator: Delaware State University, Dover, Delaware, Apr. 2002.

Research Assistant: USDA-ARS Entomology Laboratory. Duties: Morphometric analysis of parasitoid wings; biological illustration. 1999.

Tutor, University of Florida Athletic Association. Tutoring student-athletes in Biology. 1997-1999.

Seminar Coordinator: Entomology and Nematology Departmental Seminar. Duties: Scheduling, logistics, and introductions. 1999.

Consultant, Animal Kingdom Exhibit, Disney World. Duties: Collection and consultation on dung beetles for African Savanna Exhibit. 1997.

Web Site Editorial Assistant, Department of Entomology, University of Florida. Duties: Write, edit and assemble articles for "Featured Creatures" Educational Web Site. 1997.

Shaus' Swallowtail Reintroduction Project, Lepidoptera Research Division, University of Florida. Duties: rearing, field monitoring of reintroduced endangered Shaus' Swallowtail butterfly in Florida Keys. 1997.

Instructor/Guide, Rainforest Workshop for Science Teachers; Costa Rica; Expedition Travel. 1997.

Tutor; General Biology; University Athletic Association, University of Florida. 1996-1997.

Research Assistant, USDA Entomology Laboratory. Duties: Conduct experiments on parasitoids used as biological control agents; biological illustration. 1995.

Environmental scientist/contractor, KBN Engineering and Applied Sciences, Inc.
Duties: wetlands vegetation sampling for prescribed burn project. 1995.

Artist in the Schools Program: Center for the Performing Arts, University of
Florida. Duties: Instruction in techniques in wildlife photography and art
to junior high and high school students. 1995.

Guide/Scholar for International Journeys: Ecotours to the Peruvian Amazon and
Galapagos Islands, Ecuador; Duties: Lectures and demonstrations on
tropical biology and conservation; logistics; translation; general assistance
to tourists. 1991-1993.

Intern at Archbold Biological Station; Duties: Analysis of scrub jay diet (insects);
Scrub Coloring book; Prescribed burns. 1989-1991.

MEMBERSHIPS

American Society of Mammalogists
Association for Tropical Biology and Conservation
Bat Conservation International
Coleopterists Society
Ecological Society of America
Gamma Sigma Delta Honor Society
Society for Conservation Biology
The Wildlife Society
The Maryland-Delaware Chapter of the Wildlife Society
The Mid-Atlantic Chapter of the Ecological Society of America (Chair
2012-2013)

INVITED PEER REVIEW SERVICE

AFRI Agricultural Systems Technology Engineering Products and
Processes (**Proposal Review**)
Agricultural Entomology
American Journal of Primatology
Behavioral Ecology and Sociobiology
Biodiversity and Conservation
Biological Conservation
Biological Journal of the Linnaean Society
Biotropica (**Editorial Board 2002-2007**)
Blackwell Publishing (**Textbook Review**)
Coleopterists Bulletin
Ecological Research
Ecology

Ecography
Ecotropica
Entomological News
Entomological Science
Florida Entomologist
Folia Primatologia
Forest Ecology and Management
International Journal of Primatology
Journal of Animal Ecology
Journal of Applied Ecology
Journal of Herpetology
Journal of Insect Behavior
Journal of Plant Ecology
Journal of the Pennsylvania Academy of Sciences
Journal of Tropical Ecology
Journal of the Ontario Entomological Society
National Geographic Society (**Proposal Reviews**)
National Science Foundation (**Proposal Reviews**)
Northeastern Naturalist
Oecologia
Primates
Proceedings of the Royal Society: Biological Sciences
Revista Biologia Tropical
Science
Science Reviews
The L. S. B. Leakey Foundation (**Proposal Reviews**)
Tropical Conservation Science (**Editorial Board 2007-present**)
Zoologia (Brazilian Journal)