

## Research Profile



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### **Professional Education:**

- Ph.D., Entomology, University of Florida, 1999
- M.S., Ecology & Evolution, University of Chicago, 1993
- M.S., Biology, University of Cincinnati, 1983,
- B.A. Biology, Kent State University 1978

### **Research Interest Area(s):**

Wildlife Ecology, Tropical Ecology, Plant-Animal Interactions, Conservation, Bats, Primates, Dung Beetles

### **Active Grants & Funding:**

- 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)," 2010-2011 (\$60,000)
- USDA Evans-Allen Grant, "Bat Activity and Conservation in Anthropogenically Disturbed Habitat: Testing Theory and Conservation." 2010-2013 (\$90,000)

### **Professional Affiliations:**

- Member, American Society of Mammalogists,
- Member, Association for Tropical Biology and Conservation,
- Member, Bat Conservation International,
- Member, Coleopterists Society,
- Member, Ecological Society of America,
- Member, Society for Conservation Biology,
- Member, The Wildlife Society, Editorial Boards,
- Associate Editor, *Biotropica*, 2003-2007; *Tropical Conservation Science*, 2007-present



**Honors & Awards Received (last five years):**

- Fulbright Faculty Fellowship 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

**Publications (last three years):**

- Wolcott, K. and K. Vulinec. In Revision. Insectivorous bat activity at the woodland/farmland interface in farming communities around Dover, Delaware.
- Massé, R. J. and K. Vulinec. 2010. Possible impact of multiflorarose 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. (Online First) DOI 10.1007/s10841-009-9222-5.
- 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, & 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, & 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.
- 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.