

# Jeffrey A. Klemens

## Curriculum Vitae

Department of Biology  
University of Pennsylvania  
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### Professional Preparation

University of Pennsylvania, Ph.D. in Biology, 2003  
Illinois Wesleyan University, B.S. in Biology, 1998

### Appointments

Visiting Scholar, Institute for Environmental Studies/ Department of Biology, University of Pennsylvania	2008
Instructor, University of Pennsylvania, Department of Biology Biology 102 <i>Intro Bio B</i> , Biology 615 <i>Graduate Seminar</i>	2007
Invited Faculty, Organization for Tropical Studies Undergraduate Semester Abroad Program, Costa Rica	2006
Instructor, University of Pennsylvania, College of General Studies Biology 102	2004
Instructor, Illinois Wesleyan University Bio 350/ Environmental Studies 250 <i>Tropical Ecology Field Course</i> .	2000-present
Instructor, Wilkes University Biology 398A <i>Tropical Field Biology: Costa Rica</i>	2007-present
National Science Foundation Postdoctoral Fellowship in Microbial Biology	2004-06
National Science Foundation Predoctoral Fellowship.	1999-2002

### Publications and Reports

**Klemens, J.A.** *in press*. Kin recognition in plants? *Biology Letters*.

**Klemens, J. A.** *Trimorphodon biscutatus*. Diet. *Herpetological Review*

**Klemens, J.A.** 2005. Reporte sobre daños al sendero de la cima del Volcán Cacao por sobreuso. Reporte a los funcionarios del Área de Conservación Guanacaste 27 Marzo 2005.

**Klemens, J.A.**, M. L. Wieland, V.J. Flanagan, J.A. Frick, and R.G. Harper. 2003. A cross-taxa survey of organochlorine pesticide contamination in a Costa Rican wildland. *Environmental Pollution*. 122 (2): 245-251

Capparella, A.P., **J.A. Klemens**, R.G Harper and J.A. Frick. 2003. Lack of widespread organochlorine pesticide contamination in South American resident passerines. *Bulletin of Environmental Contamination and Toxicology*. 70: 769-774

Lachance, M., **J.A. Klemens**, J.M. Bowles and D.H. Janzen. 2001. The yeast community of sap fluxes of Costa Rican *Maclura (Chlorophora) tinctoria* and description of two new yeast species, *Candida galis* and *Candida ortonii*. *FEMS Yeast Research*. 1:87-92.

**Klemens, J.A.**, R.G. Harper, J.A. Frick, A.P. Capparella, H.B. Richardson and M.J. Coffey. 2000. Patterns of organochlorine pesticide contamination in Neotropical migrant passerines in relation to diet and winter habitat. *Chemosphere*. 41 (7): 1107-1113.

Frick, J.A., **J.A. Klemens**, R.G. Harper and A.P. Capparella. 1998. Effect of skin removal on estimated levels of organochlorine pesticide contamination in passerine birds. *Bulletin of Environmental Contamination and Toxicology*. 61: 658-663.

### **Selected Manuscripts**

Mory, J.M., J. Barsoum, **J.A. Klemens**, and A. Gerson. *submitted*. Use of serial protein/creatinine ratios to monitor proteinuria in suspected preeclampsia. *Obstetrics and Gynecology*.

**Klemens, J.A.**, N. J. Deacon and J. Cavender-Bares. *invited book chapter in press*. Understanding limits to pasture recolonization in a fragmented tropical dry forest: a case study of the tropical live oak *Quercus oleoides* with implications for restoration. In: *Seasonally Dry Tropical Forests*, 2<sup>nd</sup> Edition. Dirzo, R., Caballos, G. and H.A. Mooney eds.

Agosta, S. J. and **J.A. Klemens**. *in prep*. A field test of performance tradeoffs in the response of an insect herbivore to different hosts. *for Proc. Royal Soc.*

Miroshnichenko, G.G., M. Parva, D.O. Holtz, C. J. Dunton and **J.A. Klemens**. *in prep* Interpretability of excisional biopsies of the cervix: Cone biopsy and loop excision.

### **Selected Presentations**

**Klemens, J.A.**, N.J. Deacon, and J. Cavender-Bares. 2007. Understanding limits to pasture recolonization in a fragmented tropical dry forest: a case study of the tropical live oak *Quercus oleoides* with implications for restoration, Invited talk annual meeting of the Association for Tropical Biology and Conservation, Morelia, Mexico.

Cavender-Bares, J., **J.A. Klemens** and N.J. Deacon. 2006. Limitations to regeneration of a keystone species in the highly fragmented tropical dry forest of Guanacaste. Symposium on Latin American Tropical Dry Forests, Stanford University.

**Klemens, J.A.** 2006. The long tail of biodevelopment: what biodiversity managers can learn from successful internet retailers. University of Minnesota.

**Klemens, J.A.** 2003. Plasticity in allocation patterns, root architecture, and growth rate of tropical dry forest tree seedlings. Smithsonian Environmental Research Center, Edgewater, Maryland.

**Klemens, J.A.** 2002. Plasticity in allocation patterns, root architecture, and growth rate of tropical dry forest tree seedlings. Ecological Society of America, Tucson, Arizona.

**Klemens, J.A.**, R.G. Harper, J.A. Frick, and A.P. Capparella. 1998. Wintering range and habitat patterns of organochlorine pesticide contamination in Neotropical migrant passerines. North American Ornithological Conference, St. Louis, Missouri.

### **Other Activities**

Founder, InvestigadoresACG, <http://www.investigadoresacg.org>, a 501(c)3 organization to promote, support, and disseminate the products of scientific research in Costa Rica  
Reviewer for *Ecology*, *Oecologia*, *Journal of Theoretical Biology*, *Biotropica*, *Archives of Environmental Contamination and Toxicology*, Graduate Women in Science Louise Gehry Fellowship Program

### **Languages**

Spanish, English