

## **Janet Rose Lensing**

S-225 Agricultural Sciences Center North  
Lexington, KY 40546-0091  
Office Phone: (859) 218-3342  
E-mail: Janet.Lensing@uky.edu

### **EDUCATION**

**Ph.D.** Entomology: May 2006

University of Kentucky, Lexington, KY.

Dissertation: "Impacts of altered rainfall predicted by climate-change models on the arthropod community, litter decomposition, and trophic cascades in a forest-floor food web."

**Bachelor of Arts** Biology with Ecology emphasis: 1998

Hendrix College, Conway, AR.

Graduated magna cum laude

### **RESEARCH EXPERIENCE**

**Research Assistant/Ph.D. candidate**, Department of Entomology,  
University of Kentucky, Lexington, KY, June 2000-March 2006.

- Summer 2000: Performed research examining intraguild predation between gnaphosid spiders and juvenile wolf spiders.
- Summer 2001: Designed and constructed plots/rainout shelters/irrigation system for doctoral research. Mentored undergraduate student on research examining short-term effects of rainfall on spatial stratification of arthropods in leaf litter.
- Summer 2002: Conducted doctoral research on effects of rainfall on abundance and diversity of arthropods, the litter decomposition process, and trophic cascades in the forest-floor system.
- Winter 2003: Participant in OTS (Organization for Tropical Studies) Course 2003-1: Tropical Biology: An Ecological Approach.
- Summer 2003: Mentored undergraduate student on research examining behavioral responses of Collembola to rainfall and spider presence. Conducted doctoral research.
- Summer 2004 - Winter 2005: Completed field work for doctoral research. Performed laboratory extraction techniques and used HPLC to estimate fungal mass in leaf litter samples. Sorted arthropod samples.

**Undergraduate Research**, Hendrix College, Conway, AR.

- Spring 1997: Student in Experimental Field Ecology – Studied top-down and bottom-up processes in an old-field community.
- Spring/Summer 1998: Student in Advanced Field Ecology – Compared abundance and diversity patterns of organisms in temperate (Arkansas) and tropical (Costa Rica) communities.

**Research Fellow**, Emory University, Atlanta, GA, June-August 1997.

- Research project: “The Red Queen: Coevolution of a Viral Pathogen and its Host as Evidence for the Advantage of Sex.” Used ELISA (enzyme-linked immunosorbant assay) to determine viral loads in barley plants of varying genetic diversity.

## **WORK/TEACHING EXPERIENCE**

**Instructor**, University of Kentucky, Lexington, KY, Insect Biology (ENT 110), Fall 2008 – Present

- Teach one entomology course for non-science majors each fall and spring semester.

**State Survey Coordinator**, Office of the State Entomologist, Lexington, KY, January 2007-Present

- Write grant proposals to USDA APHIS to secure annual funding for Kentucky’s CAPS (Cooperative Agricultural Pest Surveys) program
- Plan annual surveys for invasive pests
- Organize and coordinate trapping efforts for invasive pests
- Hire and train independent contractors to conduct surveys
- Prepare invoices and DAV’s to pay independent contractors
- Participate in surveys: monitoring insect traps, taking plant samples for diagnostics, screening insect samples collected from traps
- Manage data from surveys
- Enter data into NAPIS (National Agricultural Pest Identification System) and IPHIS (Integrated Plant Health Information System) databases
- Prepare outreach materials about exotic invasive pests
- Give talks and participate in trade show booths to disseminate information about invasive pests
- Prepare mid-year and end-of-the-year reports for APHIS describing CAPS activities

**Nursery Inspector**, Office of the State Entomologist, Lexington, KY, March 2006-Present.

- Issue phytosanitary certificates for plant products destined for export to foreign countries
- Inspect nursery stock for insect pests and plant diseases
- Survey for sudden oak death (*Phytophthora ramorum*)
- Treat hemlocks for hemlock woolly adelgid

**Library Technical Assistant II**, Pulaski Technical College, North Little Rock, AR, September 1999-May 2000.

- Managed front desk
- Assisted patrons with research
- Demonstrated library resources for classes of students

**Corps Member**, AmeriCorps National Civilian Community Corps, San Diego, CA, October 1998-August 1999.

- Worked on a team of 12 people to complete community service projects
  - Teaching: 10-week America Reads program tutoring students; 4-week Exercise the Dream program teaching physical education
  - Other Projects: YMCA camp maintenance, meadow restoration in Sierra National Forest, painting houses, construction of The Oregon Garden

**General Ecology Laboratory Assistant**, Department of Biology, Hendrix College, Conway, AR, 1997-98.

- Assisted students during laboratory class meetings
- Prepared for laboratory exercises
- Assisted professor with ongoing research.

## **FELLOWSHIPS & SCHOLARSHIPS**

### **University of Kentucky**

- Graduate College Fellowship for Organization for Tropical Studies, 2003
- Kentucky Opportunity Fellowship, 2002-2003
- Women in Underrepresented Areas Fellowship, 2000-2001
- Phil Richards Scholarship, 2000-2002

### **Hendrix College**

- Academic Scholarship, 1994-1998
- Timex Scholarship, 1994-1998

## **AWARDS/ HONORS**

### **Professional**

- Distinguished Achievement Award, Horticultural Inspection Society Southern Chapter, 2012

### **University of Kentucky**

- Gamma Sigma Delta award: Outstanding Ph.D. student in the College of Agriculture, 2006
- 3<sup>rd</sup> Place: Student Oral Presentation Competition, International Conference of the Soil Ecology Society, 2005
- Gamma Sigma Delta, Honor Society of Agriculture, 2005
- Clarke and Knapp Travel Award, 2005
- Commonwealth Research Award, 2004

### **Hendrix College**

- Johnson Award for Excellence in Biology, 1998
- Phi Beta Kappa, 1998

## PUBLICATIONS

### Peer-reviewed:

- Lensing, J.R.**, L.K. Rieske, C.W. Harper, J.T. Collins, and J.J. Obrycki. 2008. A tale of success: preventing establishment of the gypsy moth in Kentucky. *American Entomologist* **54**: 150-155.
- Lensing, J.R.** and D.H. Wise. 2007. Impact of predicted changes in rainfall due to global climate change on litter decomposition in a deciduous forest. *Applied Soil Ecology* **35**: 523-534.
- Lensing, J.R.** and D.H. Wise. 2006. Predicted climate change alters a trophic cascade that affects an ecosystem process. *Proceedings of the National Academy of Sciences, USA* **103**: 15502-15505.
- Shultz, B.J., **J.R. Lensing**, and D.H. Wise. 2006. Effects of altered precipitation and wolf spiders on the density and activity of forest-floor Collembola. *Pedobiologia* **50**: 43-50.
- Lensing, J.R.**, S. Todd, and D.H. Wise. 2005. The impact of altered precipitation on spatial stratification and activity-densities of springtails (Collembola) and spiders (Araneae). *Ecological Entomology* **30**, 194-200.
- Lensing, J.R.** and D.H. Wise. 2004. An experimental test of the hypothesis that a pathway of intraguild predation limits densities of a forest-floor spider. *Ecological Entomology* **29**, 294-299.
- Lensing, J.R.** and D.H. Wise. In preparation. Effects on the leaf-litter community of rainfall extremes predicted by climate-change models. For submission to *Ecological Monographs*.

### Extension:

- Lensing, J.R.** 2011. EAB Update: Purple Trap Results and Wasps to the Rescue! Tree Line Newsletter. December 2011 issue. Kentucky Division of Forestry.
- Lensing, J.R.** 2011. 2011 Kentucky emerald ash borer update. Tree Line Newsletter. June 2011 issue. Kentucky Division of Forestry.
- Lensing, J.R.** 2011. 2011 Kentucky EAB update. Tree Line Newsletter. March 2011 issue. Kentucky Division of Forestry.
- Lensing, J.R.** 2010. EAB trapping 2010: the results are in! Tree Line Newsletter. December 2010 issue. Kentucky Division of Forestry.

- Lensing, J.R.** 2009. The green menace in the bluegrass state. Tree Line Newsletter. September 2009 issue. Kentucky Division of Forestry.
- Lensing, J.R.** 2008. End of first year EAB trapping. Tree Line Newsletter. December 2008 issue. Kentucky Division of Forestry.
- Lensing, J.R.** and J. Collins. 2008. Emerald ash borer trapping. Nursery Views **38** (1), 20-21.
- Lensing, J.R.** 2008. Emerald ash borer trapping program. Tree Line Newsletter, March 2008 issue. Kentucky Division of Forestry.
- de Sa, P.B., J. Hartman, **J. Lensing**, J. Collins, C. Harper, and J. Obrycki. 2007. National nursery survey for *Phytophthora ramorum* in Kentucky, 2007. Research Report of the Nursery and Landscape Program. Agricultural Experiment Station. University of Kentucky.
- Lensing, J.R.** 2007. Emerald ash borer update. Kentucky Woodlands Magazine **2**, 25.
- de Sa, P.B., **J. Lensing**, W. Leesutthiphonchai, J. Hartman, P.-Y. Dymarski, A.M. Holdcraft, J. Collins, and C. Harper. 2006. National nursery survey for *Phytophthora ramorum* in Kentucky. Research Report of the Nursery and Landscape Program. Agricultural Experiment Station. University of Kentucky. PR-537. Pp. 28-31.

## INVITED TALKS

- J. Collins and **J. Lensing**. 2015. EAB: The State of the State. 2015 Kentucky Urban Tree Seminar. Owensboro, KY.
- J. Lensing** and J. Condra. 2015. EAB: The State of the State. The Dollars and Sense of EAB Conference. Frankfort, KY.
- J. Lensing**. 2013. Hemlock Woolly Adelgid: Status in Kentucky. 3<sup>rd</sup> Conference on Invasion Biology, Ecology, and Management. Lexington, KY.
- J. Lensing**. 2013. CAPS: State and federal cooperation stems the tides of invasions. 3<sup>rd</sup> Conference on Invasion Biology, Ecology, and Management. Lexington, KY.

- J. Collins and **J. Lensing**. 2012. Emerald Ash Borer and Asian Longhorned Beetle. Commercial Arborist, Landscaper, and Nursery Worker Seminar. Burlington, KY.
- Condra, J. and **J. Lensing**. 2011. Asian Longhorned Beetle. Kentucky Tree Board Seminar, Burlington, KY.
- Lensing, J.R.** 2011. Ash tree and emerald ash borer identification. Emerald Ash Borer Seminar for Homeowners, Burlington, KY.
- Lensing, J.R.** 2011. Ash tree and emerald ash borer identification. Emerald Ash Borer Seminar for Commercial Tree Workers, Burlington, KY
- Lensing, J.R.** and J.T. Collins. 2011. Emerald ash borer biology, findings, control & quarantines. Commercial Arborist, Landscaper & Nursery Workshop. Burlington, KY.
- Lensing, J.R.** and J.T. Collins. 2010. Entomology Updates for Kentucky. Kentucky Arborists Association annual meeting, Burlington, KY.
- Lensing, J.R.** and J.T. Collins. 2009. Emerald ash borer: unlucky for Kentucky. Kentucky Arborists Association annual meeting. Shepherdsville, KY.
- Lensing, J.R.** 2008. A tale of success! Preventing gypsy moth establishment in Kentucky. Invasive Species Conference. Lexington, KY.
- Lensing, J.R.** and S.E. Moser. 2008. The potential impact of emerald ash borer in Kentucky. Kentucky Urban and Community Forestry Conference. Lexington, KY.
- Lensing, J.R.** 2007. Invasive pest monitoring: an update from the Office of the State Entomologist. Central Kentucky Ornamental & Turf Association Conference. Lexington, KY.
- Lensing, J.R.** 2005. Altered rainfall due to climate change: impacts on the forest-floor food web. University of Louisville, Louisville, KY

## **PRESENTATIONS**

- Lensing, J.R.**, J.T. Collins, C.W. Harper, S.K. Kittrell, J.D. Loan, and J.J. Obrycki. 2011. Regulatory Entomology at the University of Kentucky: Baillie, Bugs, and Basketball. National Meeting of the Entomological Society of America. Reno, NV.

- Lensing, J.R.** and D.H. Wise. 2006. Impacts of altered rainfall predicted by climate-change models on arthropods, litter decay, and trophic cascades in a forest-floor food web. National Meeting of the Ecological Society of America. Memphis, TN.
- Lensing, J.R.** and D.H. Wise. 2005. Altered precipitation affects bottom-up and top-down control processes in the detrital food web of the forest floor. National Meeting of the Ecological Society of America and the International Congress of Ecology. Montreal, Canada.
- Lensing, J.R.** and D.H. Wise. 2005. Impacts of altered rainfall on bottom-up and top-down control processes in the detrital food web of forest-floor leaf litter. International Conference of the Soil Ecology Society. Argonne National Laboratory, IL.
- Lensing, J.R.** and D.H. Wise. 2005. Effects of altered rainfall on the arthropods and processes of the forest floor. 2005 Spring Research Symposium, Center for Ecology, Evolution, and Behavior, University of Kentucky.
- Lensing, J.R.** and D.H. Wise. 2004. Impacts of altered precipitation on forest-floor arthropods and litter disappearance. National Meeting of the Entomological Society of America. Salt Lake City, UT.
- Lensing, J.R.** and D.H. Wise. 2004. Impacts of altered precipitation on rates of leaf-litter decomposition and forest-floor arthropods. National Meeting of the Ecological Society of America. Portland, OR.
- Lensing, J.R.** and D.H. Wise. 2003. Impact of modifications in rainfall expected from global climate change on arthropods of the forest-floor food web. National Meeting of the Entomological Society of America, Cincinnati, OH.
- Lensing, J.R.** and C. Smith. 2003. Our experiences with the Organization for Tropical Studies in Costa Rica. Center for Ecology, Evolution, and Behavior, University of Kentucky.
- Lensing, J.R.**, and D.H. Wise. 2003. Initial response of leaf-litter arthropods to altered rainfall predicted by models of climate change. National Meeting of the Ecological Society of America, Savannah, GA.

**Lensing, J.R.**, and D.H. Wise. 2003. Response of arthropods to altered rainfall as predicted by global climate change models. 2003 Spring Research Symposium. Center for Ecology, Evolution, and Behavior, University of Kentucky.

Todd, S., **J.R. Lensing**, D.H. Wise. 2002. The impact of changes in precipitation on spatial stratification of leaf-litter arthropods. National Meeting of the Ecological Society of America, Tucson, AZ.

Todd, S., **J.R. Lensing**, D.H. Wise. 2002. The impact of altered precipitation on spatial stratification and activity-densities of springtails (Collembola) and spiders (Araneae). National Meeting of the Entomological Society of America, Ft. Lauderdale, FL.

**Lensing, J.R.**, and D.H. Wise. 2001. A test of the hypothesis that predation by gnaphosid spiders limits densities of a juvenile wolf spider. National Meeting of the Ecological Society of America, Madison, WI.

**Lensing, J.R.**, K. Moraytis, G. Park, and S.E. Kelley. 1997. The Red Queen: coevolution of a viral pathogen and its host as evidence for the advantage of sex. Emory University, Atlanta, GA.

**Lensing, J.R.**, K. Moraytis, G. Park, and S.E. Kelley. 1997. The Red Queen: coevolution of a viral pathogen and its host as evidence for the advantage of sex. National Conference for Undergraduate Research, Salisbury, MD.

## **SERVICE**

### **Professional Service**

- Member of UK IPM Advisory Committee, 2013 - present
- Faculty sponsor for the University of Kentucky graduate student Linnaean Team, 2013 -2015
- Secretary of the Horticultural Inspection Society, Southern Chapter, 2010-2013
- Program Co-Chair for the North Central Branch meeting of the Entomological Society of America, 2009-2010.
- Member of StaffLinks representing staff of the Entomology Department on a committee for the College of Agriculture, 2009-2011.
- President of the Horticultural Inspection Society, Southern Chapter, 2008-2009.
- Vice-President of the Horticultural Inspection Society, Southern Chapter, 2007-2008.
- Student volunteer, Entomological Society of America national meetings, 2002-2004

### **Reviewing and Editorial**

Reviews for:

- *Landscape and Ecological Engineering*
- *Applied Soil Ecology*
- *Research Letters in Ecology*
- *Oikos*
- *Journal of Insect Science*
- *Forest Ecology and Management*
- *European Journal of Soil Biology*
- *Journal of Applied Entomology*
- *Ecological Entomology*

### **University of Kentucky**

- 2003-2005. Mentor for Girls in Science program
- 2003-2005. Member of the College of Agriculture committee to review the Department of Entomology
- 2003-2004; 2001-2002. Treasurer of H. Garman Entomology Club
- 2001-2003. Member of the Department of Entomology Curriculum Committee
- 2001. Volunteer at Bugs All Day event, Lexington Children's Museum
- 2001. Volunteer at UK Pest Control Short Course Reception
- 2000-2002, 2004-2005, 2007-2008, 2012-2015. Volunteer at annual Night Insect Walk, Raven Run Nature Sanctuary, Lexington, KY.

### **Hendrix College**

- 1997-1998. Treasurer of Hendrix Biological Society

### **The Nature Conservancy, 1997-1998**

- Volunteer work to preserve prairie land in Arkansas

## **CERTIFICATIONS**

Authorized Certification Official (ACO), designated by USDA-APHIS-PPQ, 2007. Reaccredited in 2010.

## **WORKSHOPS/TRAINING**

Bark and Ambrosia Beetle Identification Workshop. 2008. Michigan State University

Invasive Arthropod Workshop. 2007. Clemson University.