

ELSA YOUNGSTEADT

Curriculum Vitae

North Carolina State University
Department of Applied Ecology
Campus Box 7617
Raleigh, NC 27695-7617

919-515-1661
ekyoungs@ncsu.edu
<http://elsakristen.com>
<http://ecoipm.org/native-pollinators>

EDUCATION

PhD, Entomology, North Carolina State University, Raleigh, NC **2008**
MS, Biological Sciences, University of Wisconsin-Milwaukee, Milwaukee, WI **2003**
BA, Biology, Truman State University, Kirksville, MO (Valedictorian) **1999**

RESEARCH POSITIONS

Assistant Professor, North Carolina State University, Applied Ecology **2018 – Present**
Research Associate, North Carolina State University, Entomology **2013 – Present**

Major projects:

- Reproductive ecology and conservation genetics of endangered plants
- Consequences of urban warming for plant-insect interactions
- Pollinator education and outreach for county agents and Extension Master Gardeners
- Hurricane Sandy effects on ant diversity and function in New York City

Postdoctoral Researcher, North Carolina State University, Entomology **2012 – 2013**

- Insect response to warming across urban, historical, and latitudinal temperature gradients

PhD Graduate Research Fellow, North Carolina State University, Entomology **2003 – 2008**

- Chemical ecology of seed-carrying behavior in a tropical ant-plant mutualism
- Population genetics and chemical recognition in tropical parabiotic ants

MS Graduate Research Fellow, University of Wisconsin-Milwaukee, Biological Sciences **2000 – 2003**

- Chemical camouflage in a carnivorous caterpillar

Curator, Milwaukee Public Museum, Milwaukee, WI **1999 – 2002**

Ecologist, The Nature Conservancy, Madison, WI **2001**

SCIENCE COMMUNICATION POSITIONS

Book Reviews Editor, *American Entomologist*, Entomological Society of America **2014 – Present**

Associate Editor, *American Scientist* magazine, Research Triangle Park, NC **2011 – 2012**

Programs Manager, Sigma Xi, Research Triangle Park, NC **2008 – 2011**

Freelance Science Writer **2006 – 2012**

- For *ScienceNOW*, PRI's *The World*, National Evolutionary Synthesis Center, others

News Writing Intern, *Science* magazine, Washington, DC **2008**

AAAS Mass Media Fellow, WOSU Public Media, Columbus, OH **2007**

RESEARCH FUNDING

Grants: Total > \$661,000 awarded

2016 NCSU Research Innovation Seed Funding. 1 year, **\$24,999**
Effects of climate and atmospheric change on plant-pollinator interactions

- PIs: E. Youngsteadt, V. Aneja (atmospheric science), D. Seth Carley (horticulture), S. D. Frank (entomology), R. Irwin (applied ecology), T. Ruffy (crop and soil science)
- 2015 NCSU Extension, Engagement, and Economic Development Seed Grant. 1 year, **\$9,995**
Pollinator education and outreach for county agents and Extension Master Gardeners
PIs: E. Youngsteadt, S. D. Frank, and D. R. Tarpy
- 2013 USDA AFRI. 4 years, **\$469,000**
Can forests take the heat? Managing pests and ecosystem services in a warming climate
PIs: S. D. Frank and E. Youngsteadt
- 2013 NSF RAPID. 2 years, **\$157,324**
Consequences of extreme weather events for urban arthropod communities: Effects of Hurricane Sandy on ecosystem processes and the spread of exotic species in New York City
PIs: S. D. Frank and R. R. Dunn
- *Although I was not a PI, I was part of the team of five who wrote this proposal.

Fellowships: Total > \$180,000

- 2006 U.S. Department of Education GAANN Biotechnology Fellowship. 2 years, **~\$60,000**
Neotropical ant-gardens: Behavioral and chemical ecology of an ant-plant mutualism
- 2005 Amazon Conservation Association Graduate Research Grant. **~\$4000**
Behavioral and chemical ecology of Neotropical ant gardens
- 2004 North Carolina Entomological Society Travel Award. **~\$1000**
Behavioral and chemical ecology of Neotropical ant gardens
- 2004 Sigma Xi Grant-in-Aid of Research. **\$200**
Behavioral and chemical ecology of Neotropical ant gardens
- 2000 National Science Foundation Graduate Research Fellowship. 3 years, **~\$96,000**
Evaluating interactions between a carnivorous butterfly caterpillar and ants
- 2000 University of Wisconsin-Milwaukee Graduate School Fellowship. 1 year, **~\$20,000**
Evaluating interactions between a carnivorous butterfly caterpillar and ants

PUBLICATIONS

- Totals: 23** peer-reviewed publications
8 extension and trade publications
>100 other publications
- * indicates mentored coauthor

Peer-reviewed publications

24. Terando, A. J., S. Prado, and E. Youngsteadt. In press. Construction of a compact low-cost radiation shield for air-temperature sensors in ecological field studies. *JOVE*.
23. Hamon, L. E. *, E. Youngsteadt, R. E. Irwin, and C. E. Sorenson. 2018. Pollination ecology and morphology of Venus flytrap in sites of varying time since last fire. *Annals of the Entomological Society of America*.
22. Hamblin, A. L. *†, E. Youngsteadt†, and S. D. Frank. 2018. Wild bee abundance declines with urban warming, regardless of floral density. *Urban Ecosystems*. †Contributed equally.
21. Youngsteadt, E., R. E. Irwin, M. Kunz, D. Suiter, A. Fowler, S. J. Giacomini, M. A. Bertone, and C. E. Sorenson. 2018. Venus flytrap rarely traps its pollinators. *American Naturalist*.
- Featured in the *Washington Post*, *Science News*, *National Geographic*, *Popular Science*, *Inverse*, and WUNC (North Carolina public radio)

20. Savage, A. M., E. Youngsteadt, A. F. Ernst, S. Anderson Powers*, R. R. Dunn, and S. D. Frank. 2018. Homogenizing an urban habitat mosaic: Arthropod diversity declines in NYC parks after Super Storm Sandy. *Ecological Applications* 28: 225–236.
19. Terando, A. J., E. Youngsteadt, E. K. Meineke, and S. G. Prado. 2017. Ad hoc instrumentation methods in ecological studies produce highly biased temperature measurements. *Ecology and Evolution* 00:1–15.
18. Hamblin, A. L.*†, E. Youngsteadt†, M. M. López-Uribe, and S. D. Frank. 2017. Physiological thermal limits predict differential responses of bees to urban heat-island effects. *Biology Letters* 13: 20170125. †Contributed equally.
 - Featured in the *News and Observer* and WUNC (North Carolina public radio)
17. López-Uribe, M. M., R. H. Appler, E. Youngsteadt, R. R. Dunn, S. D. Frank, and D. R. Tarpy. 2017. Higher immunocompetence is associated with higher genetic diversity in feral honey bee colonies (*Apis mellifera*). *Conservation Genetics* 18:659–666.
16. Youngsteadt, E., A. F. Ernst, R. R. Dunn, and S. D. Frank. 2016. Responses of arthropod populations to warming depend on latitude: evidence from urban heat islands. *Global Change Biology* 23: 1436–1447.
15. Meineke, E. K., E. Youngsteadt, R. R. Dunn, and S. D. Frank. 2016. Urban warming reduces above-ground carbon storage. *Proceedings B* 283:20161574.
 - Featured in *Nature* (Research Highlights, 58:143)
14. Youngsteadt, E., H. Moylett, M. M. López-Uribe, and A. Hamblin*. 2016. T. B. Mitchell: the man behind *The Bees of the Eastern United States*. *American Entomologist* 62:157–162.
13. Dale, A. G., E. Youngsteadt, and S. D. Frank. 2016. Forecasting the effects of heat and pests on urban trees: impervious surface thresholds and the 'Pace to Plant' technique. *Arboriculture and Urban Forestry* 42:181–191.
12. Reese, A., A. M. Savage, E. Youngsteadt, K. McGuire, A. Kolling, O. Watkins, S. D. Frank, and R. R. Dunn. 2016. Urban stress is associated with variation in microbial species composition—but not richness—in Manhattan. *The ISME Journal* 10: 751–760.
11. Youngsteadt, E. †, R. H. Appler†, M. M. López-Uribe, D. R. Tarpy, and S. D. Frank. 2015. Urbanization increases pathogen pressure on feral and managed honey bees. *PLOS ONE* 10:e0142031. †Contributed equally.
 - Featured on WUNC (North Carolina public radio)
10. Youngsteadt, E., R. C. Henderson*, A. M. Savage, R. R. Dunn, and S. D. Frank. 2015. Habitat and species identity, not diversity, predict the extent of refuse consumption by urban arthropods. *Global Change Biology* 21:1103–1115.
 - Featured in *The New York Times*, *Science Friday*, *Scientific American*, and >20 other original news articles, broadcasts, podcasts, and videos in the U.S., Europe, and South Korea
9. Savage, A. M., B. Hackett, B. Guénard, E. Youngsteadt, and R. R. Dunn. 2015. Fine-scale heterogeneity across Manhattan's urban habitat mosaic is associated with variation in ant composition and richness. *Insect Conservation and Diversity* 8:216–228.
 - Featured in *The New York Times*, *Scientific American*
8. Youngsteadt, E., A. G. Dale, A. J. Terando, R. R. Dunn, and S. D. Frank. 2015. Do cities simulate climate change? A comparison of herbivore response to urban and global warming. *Global Change Biology*. 21:97–105.
 - Featured in *Newsweek*, *Greenwire*, *Entomology Today*
7. Youngsteadt, E., P. Guerra*, and C. Schal. 2010. Divergent chemical cues elicit seed collecting by ants in an obligate multi-species mutualism in lowland Amazonia. *PLOS ONE* 5:e15822.
6. Youngsteadt, E., J. Alvarez*, J. Osborne, and C. Schal. 2009. Species-specific seed dispersal in an obligate ant-plant mutualism. *PLOS ONE* 4:e4335.
 - Featured in *Miller McCune* podcast

5. Booth, W., E. Youngsteadt, C. Schal, and E. Vargo. 2009. Characterization of 8 polymorphic microsatellite loci in the Neotropical ant-garden ant, *Camponotus femoratus*. **Conservation Genetics** 10:1401–1403.
4. Booth, W., E. Youngsteadt, C. Schal, and E. Vargo. 2009. Polymorphic microsatellite loci for the ant-garden ant, *Crematogaster levior* (Forel). **Conservation Genetics** 10:639–641.
3. Youngsteadt, E., S. Nojima, C. Häberlein, S. Schulz, and C. Schal. 2008. Seed odor mediates an obligate ant-plant mutualism in Amazonian rainforest. **PNAS** 105: 4571–4575.
 - Featured in *BioScience*, *ScienceNOW*
2. Youngsteadt, E., Y. Fan, B. Stay, and C. Schal. 2005. Cuticular hydrocarbon synthesis and its maternal provisioning to embryos in the viviparous cockroach *Diploptera punctata*. **Journal of Insect Physiology** 51:803–809.
1. Youngsteadt, E., and P. J. DeVries. 2005. The effects of ants on the entomophagous butterfly caterpillar *Feniseca tarquinius* and the putative role of chemical camouflage in the *Feniseca*-ant interaction. **Journal of Chemical Ecology** 31:2091–2109.

Selected extension and trade publications (8 total)

- Frank, S. D., A. G. Dale, and E. Youngsteadt. 2016. Measuring impervious surface cover with the Pace to Plant technique. **NC Cooperative Extension Fact Sheet**.
- Frank, S. D., and E. Youngsteadt. 2015. Squash bee. **NC Cooperative Extension Insect Note**. Department of Entomology, NC State University, Raleigh, NC.
- Youngsteadt, E. 2014. Chestnut growers guide to site selection and environmental stress. **The Journal of the American Chestnut Foundation** 28:10–15.
- Youngsteadt, E., and K. Gurney. 2013. Chestnut growers guide to pests and diseases. **The Journal of the American Chestnut Foundation** 27:17–23.
- Frank, S. D., E. K. Meineke, A. G. Dale, and E. Youngsteadt. 2013. Pests in the city. **Nursery and Landscape Notes**.

Book reviews

- Youngsteadt, E. 2016. Review of T. R. New, 2015, *Insect Conservation and Urban Environments*. *American Entomologist* 62:E2–E3.
- Youngsteadt, E. 2012. Insect escape artists (review of G. Waldbauer, 2012, *How Not to Be Eaten: The Insects Fight Back*). *American Scientist* 100:254–255.
- Youngsteadt, E. 2011. Speaking for the data (review of N. Baron, 2010, *Escape from the Ivory Tower*, and D. Meredith, 2010, *Explaining Research*). *American Scientist* 99:86–87.
- Youngsteadt, E. 2009. Short takes on three books (review of J. McWilliams, 2008, *American Pests: The Losing War on Insects from Colonial Times to DDT*). *American Scientist* 97:348.

Selected popular articles (more than 100 published or broadcast, 2006 – 2012)

- Youngsteadt, E. 2012. Biodiversity’s invisible palette. **American Scientist** 100:342–343. (*Interview with ecologist Greg Asner about remote sensing of tropical forest health and diversity.*)
- Youngsteadt, E. 2012. Decoding a flower’s message. **American Scientist** 100:297–298. (*On how floral scents may evolve to repel herbivores rather than attract pollinators.*)
- Youngsteadt, E. 2012. The other honey. **American Scientist** 100:121–122. (*A look at the global status and potential of stingless bee beekeeping.*)
- Youngsteadt, E. 2012. How a fungus boosts a beetle’s invasion. **American Scientist** 100:24–25.
- Youngsteadt, E. 2012. Could climate change alter lizard learning? **ScienceNOW**, January 10.
- Youngsteadt, E. 2011. Customized atlases of the Amazon. PRI’s **The World**, August 25. (*Radio story and slide show on indigenous cultural change and mammal ecology, with on-site reporting in Guyana.*)
- Youngsteadt, E. 2011. Bats gorge during exercise. **American Scientist** 99:124.

- Youngsteadt, E. 2010. Forget mice, elephants really hate ants. *ScienceNOW*, September 2.
- Youngsteadt, E. 2008. Genetics: Simple sleepers. *Science* 321:334–337. (Feature about genetic basis of sleep in model organisms.)
- Youngsteadt, E. 2008. Community ecology: All that makes fungus gardens grow. *Science* 320:1006–1007. (Feature about ecology of fungus-gardening ants.)

TEACHING

Courses

Climate Change and Plant-Insect Interactions (ENT 601/801). Instructor (fall 2017), co-instructor (spring 2016). North Carolina State University.

Guest lectures

September 2018. Ants in Manhattan! In: Urban Wildlife Management (FW 402). Fisheries, Wildlife and Conservation program, **North Carolina State University**.

April 2018. Insects and climate change. In: Insects and People (ENT 201). Department of Entomology & Plant Pathology, **North Carolina State University**.

September 2017. Insects in the city. In: Urban Wildlife Management (FW 403). Fisheries, Wildlife and Conservation program, **North Carolina State University**.

June 2017. NC native bees: Biology, diversity, and conservation. In: Agricultural Entomology Practicum (ENT 841). Department of Entomology and Plant Pathology, **North Carolina State University**.

February 2016. Urban ants and what they do for you. In: Insects and People (ENT 201). Department of Entomology, **North Carolina State University**.

January 2016. Supporting native bees in North Carolina: Diversity, nutrition, and nesting. In: Honors Capstone Seminar (HON 496). **North Carolina State University**.

November 2015. NC backyard bees: Importance, diversity, and conservation. In: Permaculture: Sustainable Living (HS432). Department of Horticulture, **North Carolina State University**.

March 2015. Urban ecosystems in the wake of a superstorm. In: Conservation for the 21st Century (AEC495). Department of Applied Ecology, **North Carolina State University**.

January 2015. Ecosystem services and beneficial insects. In: Design-Build Studio. Department of Landscape Architecture, **North Carolina State University**.

April 2010. The sound of science: Telling science stories with audio. In: Explaining Science to the Public (ENG498/STS490). Department of English, **North Carolina State University**.

September 2005. Taller: Extracción y fraccionamiento de compuestos activos. Laboratorio del Área de Entomología, **Universidad Nacional de San Antonio Abad del Cusco**, Perú.

MENTORING

Graduate committee membership

- Michelle Targaszewski, MS, Entomology, anticipated 2020
Pollination population structure of sandhills rare plants
- Laura Hamon, PhD, Biology & Entomology, anticipated 2022
Pollination ecology of Venus flytrap
- Marisol Mata, MS, Horticulture, anticipated 2018
Environmental effects on floral resources and pollen quality
- April L. Hamblin, MS, Entomology, graduated 2015
Native bee community composition and thermal tolerances related to urban heat

Additional mentorship

- Twenty-three undergraduate research assistants mentored/supervised; four coauthored peer-reviewed publications (2004 – 2017)
- Invited panelist: Putting your PhD to work inside and outside the ivory tower. Postdoc Professional Development, National Evolutionary Synthesis Center, Durham, NC (June 2011)
- Invited speaker: The successful transition to the real world. Focus on Your Future (professional development day), NCSU Career Services, Raleigh, NC (January 2009)

SCIENTIFIC PRESENTATIONS

Invited presentations

2018. Pollination of Michaux's sumac in the NC Sandhills. **Rare Plant Discussion Group**, Chapel Hill, NC.
2017. Pollination in Michaux's sumac, an endangered shrub in the southeastern US. **Entomological Society of America**, Denver, CO.
2017. Too hot downtown? The effect of urban warming on bee communities. **Protecting Pollinators in Urban Landscapes Conference**, Traverse City, MI.
2017. Do cities simulate climate change? Using urban insect communities to test global warming predictions. **Pennsylvania State University**, Department of Entomology, University Park, PA.
2017. Climate change and plant-pollinator interactions. **North Carolina State University**, global change seminar series, Raleigh, NC.
2016. Warming up species interactions: What can we learn from cities? **Duke University**, ecology seminar series, Durham, NC.
2016. Cambio climático en el bosque: Efectos del calentamiento urbano y global en los árboles y sus plagas. **Sociedad Colombiana de Entomología**, Manizales, Colombia.
2016. Efectos de los hábitats urbanos sobre la ecología de los insectos. **Bogotá Botanical Garden**, Bogotá, Colombia.
2015. Insects and urban warming: Does latitude matter? **Entomological Society of America**, Minneapolis, MN.
2015. Arthropod biodiversity and ecosystem services are decoupled across New York City green spaces. **Entomological Society of America**, Minneapolis, MN.
2014. Climate change in the forest: Effects of urban and global warming on trees and pests. **The Nature Conservancy**, Durham, NC.
2014. Urban ecosystems in the wake of a superstorm: Arthropod communities withstand extreme flooding in New York City. **European Congress of Entomology**, York, England.
2012. Communicating chemical ecology to a broader audience. **Ecological Society of America**, Portland, OR.
2012. *Feniseca tarquinius*, a wolf in sheep's chemistry. **Carolina Butterfly Society**, Hickory, NC.
2008. Ant gardens: Species specificity and chemical communication in an obligate ant-plant mutualism. **Missouri State University**, Department of Biology, Springfield, MO.
2008. Picky ants and smelly seeds: Specificity and communication in a tropical ant-plant mutualism. **Truman State University**, Department of Biology, Kirksville, MO.
2006. Jardines de hormigas: Agricultura y guerra en el mundo pisado. **Centro de Investigación y Capacitación Río Los Amigos**, Madre de Dios, Perú.
2006. Ecología química y de comportamiento en los jardines de hormigas. **Universidad Nacional de San Antonio Abad del Cusco**, Department of Biology, Cusco, Perú.
2003. The effects of ants on the carnivorous butterfly caterpillar *Feniseca tarquinius* and the role of chemical camouflage in the *Feniseca*-ant interaction. **Milwaukee Public Museum**, Milwaukee, WI.

Contributed presentations (past 5 years)

- Mata, M.*, E. Youngsteadt, D. Seth Carley, and T. Rufty. 2017. Environmental effects on pollen in four insect-pollinated herbaceous annuals. **American Society for Horticultural Science**, Waikoloa, HI.
- Youngsteadt, E., K. Backe, and S. D. Frank. 2016. Reducing urban tree pests through data-driven planting: what can we learn from municipal tree inventories? **International Congress of Entomology**, Orlando, FL.
- Youngsteadt, E., R. R. Dunn, and S. D. Frank. 2014. Heat islands in the megalopolis: Effects of urban and regional climate on street-tree arthropods from Raleigh to Boston. **Entomological Society of America**, Portland, OR.
- Youngsteadt, E., A. M. Savage, R. R. Dunn, and S. D. Frank. 2013. Weathering the storm: Hurricane Sandy effects on New York City arthropods. **Entomological Society of America**, Austin, TX.
- Youngsteadt, E., S. D. Frank, N. Sanders, and R. R. Dunn. 2012. Canary in the coal mine: Do urban areas predict pest outbreaks in a warming climate? **Entomological Society of America**, Knoxville, TN.

SELECTED EXTENSION AND OUTREACH

Primary outreach focus: Pollination; diversity and conservation of native bees in urban areas

Total: 22 presentations at events attended by >70,000 people, 2013 – present

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| Sept 2018 | Native pollinator station at the state’s first-ever Pollinator Field Day, Piedmont Research Station, Salisbury, NC (attendance ~150) |
| Mar 2018 | Invited lecture & booth: Urban bees in NC. Glenwood Citizens' Advisory Council Pollinator Celebration, Raleigh, NC (attendance ~50) |
| Mar 2018 | Invited lecture: Climate change, pests, and pollinators. Vance-Warren Master Gardeners Symposium, Henderson, NC (attendance ~70) |
| Feb 2018 | Invited lecture: Wild bees and neonicotinoids. NC CES Workshop: Plant Production, Pollinators, and Neonicotinoids, Pittsboro, NC (attendance ~50) |
| Feb 2018 | Invited lecture: NC native bees: biology, diversity, and conservation. NC Farm Bureau pollinator summit, Raleigh, NC (attendance ~40) |
| June 2017 | Keynote lecture: Those are bees, too? Diversity and ecology of native pollinators in NC NC Extension Master Gardener College, Raleigh, NC (attendance ~120) |
| June 2016 | Webinar: NC native bees: Biology, diversity, and outreach resources For NC Extension Agents and Extension Master Gardener Volunteers (attendance 98) Co-presented with Debbie Roos, Chatham County Extension |
| Nov 2015 | Lecture: Assessing and managing tree risk of scale-insect infestations 2015 State Extension Conference, Raleigh, NC |
| Sept 2015 | Bilingual outreach booth: Native bees as pollinators La Fiesta del Pueblo, Raleigh, NC (attendance at booth ~300) |
| Sept 2015 | Invited workshop: Gardening for pollinators North Carolina Botanical Garden, Chapel Hill, NC (attendance 30, sold out) |
| June 2015 | Exhibit: Bee-Hold the Humble Pollinator North Carolina Botanical Garden, Chapel Hill, NC
Worked with exhibit committee to develop and edit content panels. Prepared biological material for display. |
| July 2014 | Science Café: Urban ants and what they do for you NC Museum of Natural Sciences, Raleigh, NC |
| June 2014 | Booth: Gardening for native bees Share the Buzz, Whole Foods, Raleigh, NC (attendance 200) |

LIVE MEDIA APPEARANCES

- June 2015 *The State of Things* (North Carolina statewide public radio program)
Interview topic: Diversity and status of native bees
- Dec 2014 *Science Friday* (U.S. nationwide public radio program)
Interview topic: Urban ants as clean-up crew
- Dec 2014 *Take Two* (Southwestern U.S. regional public radio program)
Interview topic: Urban ants as clean-up crew
- Jan 2013 *Mystery Roach* (NCSU local radio program)
Interview topic: Scale insects and urban heat islands

PROFESSIONAL SERVICE

Journals

Guest editor (special collection), *Annals of the Entomological Society of America*, 2018

Guest editor (manuscript), *Urban Naturalist*, 2017

Manuscript reviewer, *Apidologie*, *Ecological Monographs*, *Ecology Letters*, *European Journal of Entomology*, *Global Change Biology*, *Insect Conservation and Diversity*, *Insectes Sociaux*, *Invertebrate Biology*, *Journal of Ecology*, *Journal of the Lepidopterists' Society*, *Journal of the North Carolina Academy of Sciences*, *Journal of Tropical Ecology*, *Myrmecological News*, *Oecologia*, *PLOS ONE*, *Trends in Plant Science*, *Urban Forestry and Urban Greening*

Conferences

Symposium organizer, "Ecology in the Sixth Mass Extinction: Detecting and Understanding Rare Biotic Interactions." Plant-Insect Ecosystems Section Symposium, Entomological Society of America, Denver, CO, November 2017

Organized by E. Youngsteadt, M. M. López-Urbe, and C. E. Sorenson

Conference organizing committee, Protecting Pollinators in Urban Landscapes

Biennial conference organized by Michigan State University and NC State University, first held in 2015. Targets academic and industry researchers, landscape and nursery practitioners, and extension educators; three-day event includes poster session and invited speakers

Symposium organizer, "Insect Ecology in the World's Most Populated Habitat: Connecting Scientists, Practitioners, and the Public." Plant-Insect Ecosystems Section Symposium, Entomological Society of America, Austin, TX, November 2013

Organized by E. Youngsteadt, E. K. Meineke and A. G. Dale.

Judge and Moderator, Student Paper and Poster Competitions, International Congress of Entomology, Entomological Society of America, and Sigma Xi Student Showcase, 2014, 2015, 2016

Other professional service

Secretary, North Carolina Entomological Society, 2017 – present

Grant reviewer, Sigma Xi Grants-in-Aid of Research, Research Triangle Park, NC, 2 funding cycles, 2014

HONORS AND AWARDS

- 2016 Writing Residency, PLAYA, Summer Lake, OR
- 2009 Graduate School Dissertation Award, North Carolina State University (1 award per year)
- 2009 Kenneth R. Keller Award for Excellence in Doctoral Dissertation Research (2 awards per year)
- 2008 Outstanding PhD Student Award, North Carolina Entomological Society (1 award per year)
- 2007 First-place poster in behavior and ecology, Entomological Society of America
- 1999 Truman State University President's Recognition Award for Outstanding Academic Achievement
- 1995 National Merit Scholarship
- 1995 Truman State University Pershing Scholarship (full tuition for 4 years; 12 awards per year)
- Youngsteadt CV

LANGUAGES

English (native)
Spanish (advanced)
French (intermediate)

OTHER INTERESTS

Distance running, selected awards:

2016 2nd place female, Mountains-to-Sea Trail 50K Challenge, 50-km trail run (Raleigh, NC)

2015 2nd place female, Eno River Run, 11-mile trail run (Durham, NC)

2014 1st place female, Uwharrie Mountain Run, 40-mile trail run (Uwharrie National Forest, NC)

Gardening native plants, fruits, and vegetables: Increased plant richness by more >80 species and recorded >75 bee species on my half-acre property since 2013.

English for speakers of other languages: Taught active-learning English classes for small groups of adult students, Durham Literacy Center (Durham, NC), 2010 – 2012.