

## JESSIE LANTERMAN NOVOTNY

Adjunct Professor of Biology, Hiram College  
440-982-0234; lantermanJ1@hiram.edu

### EDUCATION

PhD	2017	The Ohio State University (Ecology), Columbus, OH
BA	2010	Hiram College (Biology), Hiram, OH

### PROFESSIONAL EXPERIENCE

#### *Adjunct Professor of Biology*

Hiram College, Hiram, OH (Jan 2019 – present)

#### *Post-Doctoral Researcher*

The Ohio State University, Columbus, OH (Aug 2017 – Jun 2019)

Mentor: Karen Goodell, goodell.18@osu.edu

#### *Graduate Teaching/Research Assistant*

The Ohio State University, Columbus, OH (Sept. 2011- Aug 2017)

#### *Field Botanist Assistant*

Cleveland Metroparks, Natural Resources Division (summer 2010 and 2011)

#### *Animal Caregiver and Research Assistant*

J. H. Barrow Field Station, Hiram College, Garrettsville, OH (Mar. 2007- May 2010)

### RESEARCH INTERESTS

- Effects of landscape-scale flower resources on bee foraging, reproduction, genetic diversity, and conservation
- Pollinator habitat restoration
- Plant-pollinator interaction networks

### PUBLICATIONS

2019 – **Lanterman J**, Reeher P, Mitchell R, Goodell K. Habitat preference and phenology of nest seeking and foraging spring bumble bee queens in Northeastern North America (Hymenoptera: Apidae: Bombus). *The American Midland Naturalist*, *in press*.

2017 – **Lanterman J**, Goodell K. Bumble bee colony growth and fitness on reclaimed Ohio coal mines. *Restoration Ecology*, doi: 10.1111/rec.12551.

2016 - Sponsler DB, Matcham EG, Lin C, **Lanterman J**, Johnson RM. Spatial and taxonomic patterns of honey bee foraging: a choice test between urban and agricultural landscapes. *Journal of Urban Ecology*: 1-7 doi:10.1093/jue/juw008.

2011 - Rubbo M, **Lanterman J**, Falco R, Daniels T. The influence of amphibians on mosquitoes in seasonal pools: can wetlands protection help minimize disease risk? *Wetlands* 31 (4): 799-804.

### MANUSCRIPTS IN PREPARATION

2019 - **Lanterman J**, Goodell K. Recovery of plant-pollinator interactions on a chronosequence of reclaimed coal mines. *In prep for the Journal of Insect Conservation*

2019 – **Lanterman J**, Reeher P, Mitchell R, Goodell K. The Ohio bumble bee inventory: A 2-year statewide survey in search of rare and declining species. *In prep*

2019 - **Lanterman J**, Goodell K. Can C and N stable isotopes reveal use of reclaimed mine lands by foraging bees? *In prep*

### **GRANTS AWARDED**

2019 – Geauga Park District Small Grants Program (\$6000) “Is planting flowers enough?: Effectiveness of pollinator habitat restoration at promoting bee reproduction and conservation”

2015 - Alumni Grants for Graduate Research & Scholarship (\$2000) “Use of stable isotopes to determine bee habitat use in mine-impacted landscape”

2015 - Prairie Biotic Research Small Grants Program (\$1000) “Plant-pollinator networks as a measure of ecological recovery on mine reclamations”

2015 - Ray Travel Award (\$750), from OSU Council of Graduate Students to present research at an international Entomology conference in Minneapolis, MN

2014 - Beatley Fund, Ohio State University (\$1200) “Three-tiered interactions among plants, mycorrhizae, and pollinators on reclaimed coal mine sites”

2012 - Beatley Fund, Ohio State University (\$1000) “Restoring pollination services to newly revegetated strip mine sites in Southeastern Ohio”

### **RECENT PRESENTATIONS AT PROFESSIONAL MEETINGS**

Mar 2019 – **Lanterman J\***, Reeher P, Mitchell R, Goodell K. “The Ohio bumble bee inventory: Two-year statewide survey of *Bombus* diversity and abundance.” Ohio Woodland, Wildlife, and Water conference, Mansfield, OH.

Sept 2018 – **Lanterman J\***, Goodell K. “Re-establishment of wild bee communities on reclaimed Ohio coal mines.” Seminar given to the Integrated Biology Department at the University of Akron, Akron, OH.

Aug 2018 - **Lanterman J**, Goodell K\*. “Plant-pollinator networks on a chronosequence of reclaimed Ohio coal mines.” Ecological Society of America Annual Meeting, New Orleans, LA.

Aug 2018 - **Lanterman J**, Reeher P\*, Varvaro M, Lybbert A, Perlik M, Mitchell R, Goodell K. “State-wide survey of Ohio bumble bees: Influence of habitat type and landscape on abundance, diversity, and species assemblage” [poster] Ecological Society of America Annual Meeting, New Orleans, LA.

Jan 2018 - **Lanterman J\***, Reeher P, Varvaro M, Lybbert A, Mitchell R, Goodell K. “State-wide survey of bumble bee distribution and habitat use to search for an endangered species and another of conservation concern.” [poster] Ohio Fish and Wildlife Management Association annual meeting, Columbus, OH

Nov 2017 - **Lanterman J\***, Reeher P, Varvaro M, Lybbert A, Mitchell R, Goodell K. “State-wide survey of bumble bee distribution and habitat use to search for an endangered species and another of conservation concern.” [poster] Ohio Biodiversity Conservation Partnership annual meeting, Columbus, OH

Feb 2017 - **Lanterman J\***, Goodell K. “Can C and N stable isotopes reveal bee foraging habits?” Evolution, Ecology & Organismal Biology, departmental seminar. Columbus, OH.

## **TEACHING**

### *Instructor of Record*

- Introductory Biology I Lab (AU19, Hiram College)
- Introductory Biology II Lab (SP19, Hiram College)
- Ohio Plants (AU2015, SP2016, OSU)

### *Graduate Teaching Assistant (Ohio State University)*

- Evolution (AU2016)
- Human Physiology (SP 2016)
- Ecology (AU 2013, SP 2014)
- Biology: Form, Function, and Ecology (SP 2013)
- Ohio Plants (SP 2012, AU 2012, AU 2014)
- Integrated Biology for majors (WI 2012, SP 2012, SP 2015, SP2017)
- Introductory Biology for Non-Majors (AU 2011)

### *Other Teaching Activities*

- guest lecture on diversity and biology of native bees, OSU Beekeeping course (2013-2016)
- University Center for the Advancement of Teaching, new TA Orientation facilitator (Aug 2013, 2014, 2015)

## **PUBLIC OUTREACH**

- Guest instructor on bumble bee biology and identification at the “Wild Bee Field School” hosted by Ohio State Extension (July 2019)
- Guest speaker on statewide bumble bee survey at Lake Erie Allegheny Partnership (LEAP) meeting (Mar 2019)
- Guest speaker on native bees of Ohio at Kendal at Oberlin Retirement Community (Mar 2019)
- Guest lecturer at Fairport Harbor High School science class (May 2018)
- Guest speaker at Hiram College Biology honors society induction ceremony (Apr 2018)
- Guest instructor on bumble bee biology and identification at a workshop hosted by OSU Extension (Mar 2018)
- Led discussion on bumble bee species identification and pollinator survey techniques at Hiram College for Volunteer Pollinator Specialists, an OSU Extension program (Oct 2017, Oct 2018)
- Led two groups of 30 - 40 school-aged children in collecting data on pollinators and native plants using iPods at The Wilds Animals Conservation Center (Jun-July 2016)
- Organized invasive plant removal in a Columbus park with Ohio Plants class and volunteers from local community group (Oct 2015)

### *Workshops (Organized & Taught):*

- Native Bee & Wasp ID 2-hour workshop/lab for senior citizens at Ohio State University Marion (Oct 2016)
- Pollinator and Native Plant Monitoring on Reclamation Lands, 6-hour workshop for US Forest Service employees at Wayne National Forest Headquarters (May 2016)
- Co-taught Bee identification workshop for 25 summer campers staff and volunteers at The Wilds Animal Conservation Center (June 2016)
- Co-taught Bee ID workshop for 40 high school summer campers, staff, and volunteers at The Wilds Animal Conservation Center (July 2015)
- Native Bee workshop/lab for 25 biology students, professors, and community members at Antioch College (Sept 2015)

### **PROFESSIONAL SERVICE**

- Mentored 10 Ohio State undergraduate assistants for research credit (summer 2013-2016) and supervised 5 paid undergraduate helpers in the lab (2017-2018)
- Held leadership roles in the Ecology & Evolution Graduate Students Club at Ohio State: club president (2016/2017), advisor to undergrad majors club (2015/2016), departmental admissions committee (2014/2015), club secretary and treasurer (2013/2014), departmental advisory committee (2012/2013)
- OSU Museum of Biological Diversity, Open House volunteer (Feb 2012 - 2015)
- Speaker at Annual Ohio Regional Allergy Conference (Aug 2014, 2015), hosted by OSU Museum of Biological Diversity
- OSU Denman Undergraduate Research Forum judge (2014 - 2016)
- Invited guest speaker at undergrad Entomology Club meeting (Oct 2015)
- Volunteered in the Cleveland Museum of Natural History Herbarium (2010)

### **PROFESSIONAL TRAINING**

- “the Bee Course,” Am. Museum of Nat. Hist., SW Research Station (Sept 2013)
- Grass and Sedge Identification workshop, John Mack, Ohio EPA (July 2010)
- Bat Handling & Management workshop, Summit Co. Metroparks (Aug 2009)