JESSIE LANTERMAN NOVOTNY
Lecturer & Researcher, Hiram College
LantermanJ1@hiram.edu, 440-982-0234
ORCID 0000-0001-5079-4070

EDUCATION

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

PROFESSIONAL EXPERIENCE

Part-time Staff Lecturer and Researcher
Primary job duties: designing and supervising undergraduate ecology research projects at the James H Barrow Biological Field Station, teaching classes in support of research
Hiram College, Hiram, OH (Jan 2024 – present)

Adjunct Professor of Biology
Primary job duties: teaching undergraduate biology lab classes
Hiram College, Hiram, OH (Jan 2019 – present)

Post-Doctoral Researcher
Primary job duties: training undergraduate field assistants, coordinating field teams, managing a large database, analyzing data and writing results for publication and for reports to our funding agency (the Ohio Department of Transportation)
The Ohio State University, Columbus, OH (Aug 2017 – Jun 2019)
Lab PI Karen Goodell, goodell.18@osu.edu

Graduate Teaching and Research Assistant
The Ohio State University, Columbus, OH (2011- 2017)

Seasonal Field Botanist Assistant
Cleveland Metroparks, Natural Resources Division (2010, 2011)

Animal Caregiver and Research Assistant
J. H. Barrow Biological Field Station, Hiram College, Garrettsville, OH (2007- 2010)

RESEARCH INTERESTS

- Effects of local and landscape-scale resources on pollinator foraging, nesting, and conservation
- Plant-pollinator interactions
- Restoration of pollinator floral habitat and nesting resources

PUBLICATIONS

2025 – **Lanterman Novotny J**, Hung K-L J, Lybbert A, Kaplan I, Goodell K. Pesticide detection and persistence in pumpkin and bee pollinators through one week after foliar-spray. PLoS ONE 20(4): e0311634.

2025 – Gould E, Fraser S, Parker TH…**Lanterman Novotny J**…Zitomer RA. Same data, different analysts: Variation in effect sizes due to analytical decisions in ecology and evolutionary biology. BMC Biology 23, 35(2025).

2023 – **Lanterman Novotny J**, Lybbert A, Reeher P, Mitchell RJ, Goodell K. Bumble bee banquet: Genus- and species-level flower preferences of Midwestern *Bombus*. Ecosphere 14(2): e4425

2022 – **Lanterman Novotny J,** Goodell K. Utility of carbon and nitrogen stable isotopes for inferring wild bee (Hymenoptera: Apoidea) use of adjacent foraging habitats. PloS ONE 17(7): e0271095

2021 – **Lanterman Novotny J**, Reeher P, Varvaro M, Lybbert A, Smith J, Mitchell RJ, Goodell K. Bumble bee species distributions and habitat associations in the Midwestern USA, a region of declining diversity. Biodiversity and Conservation 30: 865-887

2020 – **Lanterman Novotny J**, Goodell K. Rapid recovery of plant-pollinator interactions on a chronosequence of grassland-reclaimed mines. Journal of Insect Conservation 24: 977-991

2020 – Reeher P, **Lanterman Novotny J**, Mitchell R. Urban bumble bees are unaffected by the proportion of intensely developed land within urban environments of the industrial Midwestern USA. Urban Ecosystems 23:703-711

2020 – Mattingly KZ, Pelletier TA, **Lanterman J**, Frevola D, Stucke B, Kinney K, Schwartz R, Spacht D, Dixon G, Hovick SM. Disconnects between communicated impact and ecological impact of biological invasions. BioScience 70(3): 252-263

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 182: 131-159

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

2025 – **Lanterman Novotny J**, Goodell K. Bees before and after: Pollinator community resilience after surface coal mine reclamation. *In preparation*

TEACHING

Instructor of Record

- Biology Classics: Darwin's Origin of Species (2025, Hiram College)
- A Walk in the Woods (2024, Hiram College)
- Field Botany (2023, 2025, Hiram College)
- Introductory Biology I Lab (2019 – 2024, Hiram College)
- Introductory Biology II Lab (2019 – 2024, Hiram College)
- Ohio Plants (2015, 2016, Ohio State University)

Graduate Teaching Assistant (Ohio State University)

- Evolution (2016)
- Human Physiology (2016)
- Ecology (2013, 2014)
- Biology: Form, Function, and Ecology (2013)

- Ohio Plants (2012, 2014)
- Integrated Biology for Majors (2012, 2015, 2017)
- Introductory Biology for Non-Majors (2011)

Other Teaching Activities

- Guest lectures on current bee research, U of Akron Bee Ecology course (2023, 2024)
- Guest lectures on wild bees, OSU Entomology Beekeeping course (2013 – 2016)
- Ohio State University Center for the Advancement of Teaching, new Teaching Assistant Orientation Facilitator (2013 – 2015)

GRANTS AWARDED

- 2024 – Geauga Park District Small Grants Program ($500) "Do golf courses converted to parks offer nesting opportunities for diverse native bees?"
- 2019 / 2020 – 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

- 2025 – **Lanterman Novotny J***. "Use of a rapid assessment index for evaluating integrity of old-growth and secondary forest with undergraduate students." Ecological Society of America, Baltimore, MD.
- 2024 – **Lanterman Novotny J*.** "Do retired golf courses benefit native bees?" Cleveland Metroparks Natural Resources Management and Research Symposium, Cleveland, OH.
- 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.
- 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.
- 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.

PROFESSIONAL SERVICE

- Supervised 6 Hiram College undergraduate students per summer in research internship at the James H Barrow Biological Field Station (2024, 2025)
- Mentored 4 Hiram College undergraduate students in their senior thesis research summers (2019, 2020, 2023, 2025)
- Master's committee member for Morgan Hughes, Dr. Randy Mitchell's lab, University of Akron (2024 – present)
- Master's committee member for Kiersten McMahon, Dr. Randy Mitchell's lab, University of Akron (2021 – 2022)
- Master's committee member for Paige Reeher, Dr. Randy Mitchell's lab, University of Akron (2017 – 2019)
- Supervised field crews of paid undergraduate and graduate students working on statewide Ohio bumble bee survey, 2017 – 2018
- 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 student club at Ohio State: president (2017), advisor to undergrad ecology club (2016), departmental admissions committee (2015), secretary and treasurer (2014), departmental advisory committee (2013)

SELECT PUBLIC OUTREACH

- Guest instructor on bumble bee biology and identification at Ohio State Extension programs for Volunteer Pollinator Specialists and Master Gardeners (2017 – 2019)
- Guest speaker on statewide bumble bee survey at Lake Erie Allegheny Partnership (LEAP) meeting (2019)
- Guest speaker on native bees for retirees, at Kendal at Oberlin Retirement Community (2019)
- Guest lecturer at Fairport Harbor High School science class (2018)
- Guest speaker at Hiram College Biology honors society induction ceremony (2018)
- Taught staff bee identification and led groups of children in collecting data on pollinators and native plants using iPods at The Wilds Animals Conservation Center (2015, 2016)
- Pollinator and Native Plant Monitoring workshop, 6-hour workshop for US Forest Service employees at Wayne National Forest Headquarters (2016)
- Organized invasive plant removal in a Columbus park with Ohio Plants class and volunteers from local community group (2015)
- Native Bee workshop/lab for 25 biology students, professors, and community members at Antioch College (2015)

PROFESSIONAL TRAINING

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