
Lauren Denise Snyder (she/her/hers)

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EDUCATION

- Aug 2012–Dec 2019 **Cornell University** Ph.D. 2019
- Advisor: Professor Alison G. Power
 - Department of Ecology and Evolutionary Biology
 - IGERT: Food Systems and Poverty Reduction Traineeship
- Sep 2007–May 2011 **Boston University** B.A. 2011
- Research Advisor: Professor Thomas H. Kunz
 - Major: Biology with a specialization in Ecology and Conservation Biology
 - Study Abroad Program: Tropical Ecology, La Universidad San Francisco de Quito, Ecuador. Spring Semester 2010. Coastal region, Galápagos Islands, and Amazon rainforest

CAREER EXPERIENCE

Open Knowledge Research Graphs, Leibniz Information Centre for Science and Technology, Germany

- June 2022–current **Science Curation Grantee, Contractor**
- Make monthly contributions to the Open Knowledge Research Graph (ORKG)
 - Summarize scientific information from peer-reviewed research in a format that is human- and machine-actionable

Institute of Geobotany, Leibniz University Hannover, Germany

- Feb 2022–current **Communications Research Assistant, Contractor**
- Write website content for general audience describing Institute's mission, research, and education opportunities
 - Write research blogs to translate scientific research for lay audience
 - Create social media posts to communicate Institute's scientific work to the public

Organic Farming Research Foundation, USA

- Feb 2021–Dec 2021 **Science Advisor**
- Lead author on 2022 National Organic Research Agenda report
 - Directed and conducted quantitative data analysis of over 1,000 survey responses to national organic farmer survey and qualitative analysis of 16 farmer focus group discussions
- May 2019–Jan 2021 **Education and Research Program Manager**
- Served as co-principal investigator on three national surveys of organic and transitioning farmers and ranchers
 - Project managed [online training program](#) for beginning organic

- specialty crop farmers in CA, created and edited content for six learning modules ranging from soil health to business management
- Directed and improved visibility of annual OFRF research grant making program, increased application rate by 66% in one year
- Led two annual Organic Agriculture Research Forums each attended by over 100 farmers, researchers, and Extension personnel
- Developed and implemented education and outreach projects, translated scientific content for a lay audience, managed diverse project teams, and ensured accountability and adherence to strict deadlines

Organic Farming Research Foundation, USA

May 2018–May 2019 **Education and Research Program Associate**

- Supported the creation of science-based webinars on organic agriculture for farmers and the public
- Wrote organic agriculture blogs for non-specialist audiences
- Supported grant writing and fundraising for education and research programs
- Promoted after one year for excellent leadership and initiative

Cornell University, USA

Aug 2012–Dec 2019 **Dissertation Researcher**

- Funded five years of my graduate stipend through grant writing, securing over \$150,000 in funding
- Directed two-year study on pest control services provided by crop varietal mixtures on 22 farms in NY State
- Designed and executed two large-scale common garden experiments to measure ecosystem services provided by crop varietal mixtures
- Conducted literature review on ecological, economic, and nutritional services provided by diversified agroecosystems

Uda Walawe Elephant Research Project, Sri Lanka

Jun 2011–Jul 2012 **Researcher**

- Conducted ecological and sociological surveys of over 150 households surrounding Uda Walawe National Park, Sri Lanka
- Studied crop damage and economic loss farmers experience from human-elephant conflict
- Surveyed crop cultivation patterns, landscape arrangement, and risk perception of small-holder farming households
- Collaborated with two international journalists to bring awareness to an illegal banana plantation operation in Somawathiya National Park

Plum Brook Station, NASA, USA

May 2010–Aug 2010 **Intern**

- Researched wetland vegetation, hydrology, and soils
- Delineated eight wetland sites at Plum Brook Station; created an herbarium of local plants
- Supported the development of an Environmental Impact Study (EIS) for the construction of a wind farm project on NASA property

- Assisted with bat mist netting study associated with wind farm EIS
- Prepared written report of internship achievements

Boston University, USA

May 2009–May 2011 **Research Assistant** for Dr. Thomas Kunz, Director of Center for Ecology and Conservation Biology, and Elizabeth Braun de Torrez, Ph.D. candidate

- Designed and executed independent research project studying social behaviors of bats in bat houses
- Assisted Braun de Torrez in her study of agroecosystem services of bats in pecan orchards
- Gained expertise in mist netting, radio telemetry, handling bats, thermal imaging recording, Anabat acoustic monitoring, insect counts, vegetation surveys, and roost characterizations
- Prepared an analysis paper of bat house data

PEER REVIEWED PUBLICATIONS

Snyder, L.D., Gómez, M.I., Power, A.G. 2020. Crop varietal mixtures as a strategy to support insect pest control, yield, economic, and nutritional services. *Frontiers in Sustainable Food Systems*.

Snyder, L.D., Gómez, M.I., Mudrak, E.L., Power, A.G. 2020. Landscape-dependent effects of varietal mixtures on insect pest control and implications for farmer profits. *Ecological Applications*.

Snyder, L.D. and A.G. Power. In prep. Varietal identity, not varietal richness, predicts pest abundance and crop damage.

SELECTED POPULAR SCIENCE WRITING

Snyder, L.D. 2021. Location, location, location—insect predator traits and the strength of pest control services change across landscapes. *Institute for Geobotany, Leibniz University Hannover*. ([link](#))

Snyder, L.D., Zoebisch, C. 2021. Transforming agriculture to mitigate climate change and support public health. *Organic Farmer Magazine*. ([link](#))

Snyder, L.D., 2020. Managing organic fertility on diversified organic farms. *Organic Farming Research Foundation*. ([link](#))

Snyder, L.D., 2020. Research addresses structural barriers to building soil health. *Organic Farming Research Foundation*. ([link](#))

Snyder, L.D. 2019. Transforming agriculture from a problem into a solution: Sustainable water management in a changing climate. *California Farming Magazine*. ([link](#))

Snyder, L.D. 2019. Insects are vanishing. Help them by eating organic. *Organic Farming Research Foundation*. ([link](#))

SCIENTIFIC REPORTS & GUIDEBOOKS

Snyder, L.D., Schonbeck, M., Velez, T. 2022 National Organic Research Agenda: Outcomes and Recommendations from the 2020 National Organic & Transitioning Farmer Surveys and Focus Groups. *Organic Farming Research Foundation*. ([link](#))

Schonbeck, M., **Snyder, L.D.** 2021. Building healthy living soils for successful organic farming in the Southern Region. *Organic Farming Research Foundation*. ([link](#))

Schonbeck, M., Jerkins, D., **Snyder, L.D.** 2019. Soil health and organic farming: Organic practices for climate mitigation, adaptation, and carbon sequestration. *Organic Farming Research Foundation*. ([link](#))

SCIENCE ENGAGEMENT & MEDIA OUTREACH

2019 **Organic Agriculture Expert**, Radio interview, AM 1080 KSCO, Good Morning Monterey Bay (MP3 available upon request)

2019 **Organic Agriculture Expert**, Radio interview, AgNet West Radio Network (MP3 available upon request)

2017 **Volunteer**, "The life stages of the *Manduca* moth," Expanding Your Horizons Conference, Cornell University

2015–2016 **Organizer**, Community outreach dinners, Cornell Cooperative Extension

2013–2014 **Volunteer**, "Battle of the bugs," Insectapalooza, Cornell University

2014 **Mentor**, Expanding Your Horizons Conference, Cornell University

2013 **Volunteer**, "The importance of diversity in agroecosystems," Science from the Slope, Sigma Xi, Cornell Chapter

PRESENTATIONS

Conference Presentations

Snyder, L.D. 2019. Organic soil health practices for climate mitigation and farm resilience. *Organic Agriculture Research Forum*. Portland, Oregon.

Snyder, L.D. 2018. Organics and soil health. *Crop Production Services Organic Symposium*. San Luis Obispo, California.

Snyder, L.D., Power, A.G., Gomez, M.I. 2017. Landscape-dependent effects of intraspecific crop diversity on cruciferous pest populations. *Annual Meeting of the Entomological Society of America*. Denver, Colorado.

Snyder, L.D. and A.G. Power. 2016. Local and landscape scale diversity interact to shape herbivore communities in *Brassica oleracea* crops. *2016 International Congress of Entomology*. Orlando, Florida.

Snyder, L.D. and A.G. Power. 2015. Landscape structure & intraspecific diversity in *Brassica oleracea* crops significantly influence herbivore dynamics. *Annual Meeting of the Entomological Society of America*. Minneapolis, Minnesota.

Snyder, L.D., Power, A.G., Gomez, M.I. 2014. Developing profitable agricultural management practices that enhance biodiversity. *39th Annual Ecology & Evolutionary Biology Symposium*. Cornell University.

Snyder, L.D., Krounbi, L., Toure, D. 2013. Maize lethal necrosis: An opportunity for diversification? *Food Systems & Poverty Reduction IGERT Symposium*. Cornell University.

Invited Presentations

Snyder, L.D. 2020. Resilient Soils. *Midwest Organic and Sustainable Education Service (MOSES) Conference*. La Crosse, WI.

Snyder, L.D. 2019. What's new at the Organic Farming Research Foundation? *Agroecology Working Group*. Davis, California.

Snyder, L.D. 2017. Estrategias para promover agroecosistemas multi-funcionales. *Universidad del Valle*. Cali, Colombia. (delivered in Spanish)

Snyder, L.D. 2012. Human-elephant relations in Sri Lanka. *NASA Glenn Research Center*. Brookpark, Ohio.

Snyder, L.D. 2010. Wind energy and wetland delineation at Plum Brook Station. *NASA Glenn Research Center*. Brookpark, Ohio.

FELLOWSHIPS, GRANTS, & AWARDS

Fellowships

2014 National Science Foundation Graduate Research Fellowship
2012 Cornell Food Systems & Poverty Reduction IGERT Fellowship

Research Grants

2016 Andrew W. Mellon Student Research Grant (\$1,000)
2016 Paul P. Feeney Graduate Student Research Fund, Cornell University (\$1,200)
2014 Sustainable Biodiversity Fund, Atkinson Center for a Sustainable Future (\$4,500)
2014 Cornell Food Systems & Poverty Reduction IGERT Research Grant (\$10,000)
2013 Cornell Food Systems & Poverty Reduction IGERT Research Grant (\$4,000)
2013 The McKnight Foundation Research Grant (\$4,000)

Awards

2017 President's Prize, 1st place in the Entomological Society of America paper presentation competition
2014 Whittaker Award, best graduate student presentation at the Ecology & Evolutionary Biology Symposium, Cornell University

TEACHING EXPERIENCE

Fall 2017 **Guest Lecturer**, Departamento de Biología, Universidad del Valle
Fall 2016, 2017 **Guest Lecturer**, Food, Agriculture, & Society, Department of Ecology, Cornell University
Spring 2017 **Head Teaching Assistant**, Ecology & the Environment, Cornell University

- Managed course logistics, coordinated five graduate TAs, helped develop course material, led two discussion sections a week, graded exams and homework, held weekly office hours, organized and facilitated review sessions

Fall 2016 **Teaching Assistant**, Ecology & the Environment, Cornell University

- Led three discussion sections a week, graded exams and homework, held office hours, facilitated review sessions

Spring 2013 **Teaching Certificate**, "How to Create an Engaging Classroom," Cornell Center for Teaching Excellence
Spring 2009 **Undergraduate Teaching Assistant**, Biology II, Boston University

- Guided lab activities, mentored students, prepared and delivered a lecture on neurobiology

TECHNICAL SKILLS

Microsoft Office
NVivo
Spanish (B1)
German (A2)

R
Canvas
TYPO3
Weebly

PROFESSIONAL SERVICE & LEADERSHIP

2017 **Reviewer**, Diversity Preview Weekend, Cornell University
2017 **Graduate**, Colman Leadership Program, Cornell University
2015 **Reviewer**, Sustainable Biodiversity Fund, Atkinson Center for a Sustainable Future
2015–2018 **Member**, Entomological Society of America
2014–2019 **Member**, Atkinson Center for a Sustainable Future, Cornell University
2013–2018 **Member**, Sigma Xi Scientific Research Society, Cornell chapter