

Dr. Rebecca S. Snell

Assistant Professor

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EDUCATION

- 2013 Ph.D., University of Toronto, Forest Ecology
Dissertation title: Simulating vegetation migration in response to climate change in a dynamic vegetation-climate model
- 2004 M.Sc., University of Calgary, Ecology
Thesis title: Indirect effects in an obligate plant-pollinator mutualism
- 2001 B.Sc. (Honours), Queen's University, Biology and Computer Science
Thesis Title: Life history traits of selfing and outcrossing annuals

PROFESSIONAL APPOINTMENTS

- Aug 2016 – current Assistant Professor, Department of Environmental & Plant Biology, Ohio University
- 2013 – 2016 Post-doctoral research fellow in the Forest Ecology professorship, Swiss Federal Institute of Technology Zurich (ETH, Switzerland)
- 2006 – 2007 Supervisor of a computer programming team, Environment Canada
- 2004 – 2005 Research Assistant (computer programmer), Environment Canada

GRANTS

- 2021 – 2023 Snell, R.S., National Science Foundation, “EAGER: Quantifying the relative importance of reproduction in forest dynamics under historical and future climate change”. \$194,085 USD (9/2021 – 8/2023)
- 2020 – 2022 DeForest J. & R.S. Snell, Ohio University Baker Award, “Why does tree growth response to soil fertilization depend on the type of mycorrhizal association?” \$12,000 USD (5/2020 – 6/2022) **one year extension due to COVID-19*
- 2017 – 2018 Snell, R.S., Ohio University Research Council (OURC), “Effect of species shifts on ecosystem service provisioning in forests.” \$7,644 USD (5/2017 – 11/2018).
- 2017 Wyatt, S. E., Snell, R., Matlack, G. R., Faik, A., Rosenthal, D. M., Trese, A. T., Ballard, Jr., H. E., Hua, Z., Ohio University 1804, “Computers in the Classroom: into the Next Decade.” \$15,780 USD.

- 2014 – 2017 Bugmann H. & R.S. Snell, COST Action FP1206: “European Mixed Forests. Integrating Scientific Knowledge in Sustainable Forest Management” (EuMIXFOR). Project Proposal: Comparing single-species and mixed-species forests under future climate change: a dynamic landscape modeling approach (170,000 CHF)
- 2002 – 2004 Snell, R.S., Challenge Grants in Biodiversity (\$16,850 CAN)

Pending Proposals

2021 (submitted) DeForest J., Snell, R.S., Rua M.A. National Science Foundation, “Collaborative Research: LTREB: The long-term response of forest function to an altered soil nutrient economy may be mycorrhizal dependent.” \$347,690 (Ohio University portion), \$248,578 (Wright State University portion).

PUBLICATIONS

Summary: 26 peer reviewed papers, 590 total citations, h-index of 14, i10 index of 18

Most recent statistics here: [Rebecca S Snell - Google Scholar](#)

* indicates graduate student under my supervision

Articles in review or revision (drafts available upon request)

Smith*, S.J., B. McCarthy, T. Hutchinson and **R.S. Snell** (*in review*) Causes of individual-level variation in reproductive effort in chestnut oak (*Quercus montana* Willd.) and black oak (*Q. velutina* Lam.). *Forest Ecology and Management*

Articles Accepted or Published in Peer Reviewed Journals

1. Pile, L.S., **R.S. Snell**, L.A. Vickers, T. Hutchison, J. Kabrick, M.A. Jenkins, B. Graham and J. Rebbeck (2021) The ‘other’ hardwood: growth, physiology, and dynamics of hickories in the Central Hardwood Region, USA. *Forest Ecology and Management*. <https://doi.org/10.1016/j.foreco.2021.119513>
2. Smith*, S.J., B. McCarthy, T. Hutchinson and **R.S. Snell** (2021) Both weather and resources influence masting in chestnut oak (*Quercus montana* Willd.) and black oak (*Q. velutina* Lam.) *Plant Ecology*, 222:409-420. <https://doi.org/10.1007/s11258-021-01115-7>
3. Goszka*, A.R. and **R.S. Snell** (2020) Seed quality and seed quantity in red maple depends on weather and individual tree characteristics. *Ecology and Evolution*. 10: 13109–13121. <https://doi.org/10.1002/ece3.6900>
4. Beckman, N., C. Aslan, H. Rogers, O. Kogan, J. Bronstein, J. Bullock, F. Hartig, J. HilleRisLambers, Y. Zhou, D. Zurell, J. Brodie, E. Bruna, S. Cantrell, R. Decker, E. Effiom, E. Fricke, K. Gurski, A. Hastings, J. Johnson, B. Loiselle, M. Miriti, M. Neubert, L. Pejchar, J. Poulsen, G. Pufal, O. Razafindratsima, M. Sandor, K. Shea, S. Schreiber, E. Schupp, **R. Snell**, C. Strickland, J. Zambrano (2020) Advancing an interdisciplinary framework to study seed dispersal ecology. *AoB Plants*. 12(2). <https://doi.org/10.1093/aobpla/plz048>

5. DeForest, J.L., and **R.S. Snell** (2020) Tree growth response to shifting soil nutrient-use economy depends on mycorrhizal associations. *New Phytologist*. 225(6): 2557-2566. <https://doi.org/10.1111/nph.16299>
6. Schupp E.W., R. Zwolak, L. Jones, **R.S. Snell**, N. Beckman, C. Aslan, B. Cavazos, E. Effiom, E. Fricke, F. Montaña-Centellas, J. Poulsen, O. Razafindratsima, M. Sandor, K. Shea (2019). Intrinsic and extrinsic drivers of intraspecific variation in seed dispersal are diverse and pervasive. *AoB Plants* 11(6). <https://doi.org/10.1093/aobpla/plz067>
7. **Snell, R.S.**, N.G. Beckman, E. Fricke, B.A. Loiselle, C.S. Carvalho, L.R. Jones, N.I. Lichti, N. Lustenhouwer, S. Schreiber, C. Strickland, L.L. Sullivan, B.R. Cavazos, I. Giladi, A. Hastings, K. Holbrook, E. Jongejans, O. Kogan, F. Montaña-Centellas, J. Rudolph, H.S. Rogers, R. Zwolak, E. Schupp (2019) Consequences of intraspecific variation in seed dispersal for plant demography, communities, evolution, and global change. *AoB Plants*. 11(4). <https://doi.org/10.1093/aobpla/plz016>
8. Aslan, C. E., N. Beckman, H. Rogers, J. Bronstein, D. Zurell, F. Hartig, K. Shea, L. Pejchar, M. Neubert, J. Poulsen, J. HilleRisLambers, M. Miriti, B. Loiselle, E. Effiom, J. Zambrano, E. Schupp, G. Pufal, J. Johnson, J. Bullock, J. Brodie, E. Bruna, S. Cantrell, R. Decker, E. Fricke, K. Gurski, A. Hastings, O. Kogan, O. Razafindratsima, M. Sandor, S. Schreiber, **R. Snell**, C. Strickland, and Y. Zhou. (2019). Employing plant functional groups to advance seed dispersal ecology and conservation. *AoB Plants*.11(2). <https://doi.org/10.1093/aobpla/plz006>
9. Schuler*, L., H. Bugmann, G. Petter, and **R.S. Snell** (2019) How multiple and interacting disturbances shape tree diversity in European mountain landscapes. *Landscape Ecology*. 34:1279-1294. <https://doi.org/10.1007/s10980-019-00838-3>
10. Fronzek, S., T. R. Carter, N. Pirttioja, R. Alkemade, E. Audsley, H. Bugmann, M. Flörke, I. Holman, Y. Honda, A. Ito, V. Janes-Bassett, V. Lafond, R. Leemans, M. Mokrech, S. Nunez, D. Sandars, **R. Snell**, K. Takahashi, A. Tanaka, F. Wimmer and M. Yoshikawa (2019) Determining sensitivity to climate and socio-economic changes across sectors and European regions using impact response surfaces. *Regional Environmental Change*.19:679-693. <https://doi.org/10.1007/s10113-018-1421-8>
11. **Snell, R.S.**, C. Elkin, S. Kotlarski and H. Bugmann (2018) Importance of climate uncertainty for projections of forest ecosystem services. *Regional Environmental Change*. 18: 2145-2159. <https://doi.org/10.1007/s10113-018-1337-3>
12. Thrippleton*, T., H. Bugmann, and **R.S. Snell** (2018) Herbaceous competition and browsing may induce arrested succession in central European forests. *Journal of Ecology*. 106:1120-1132. <https://doi.org/10.1111/1365-2745.12889>
13. Thrippleton*, T., H. Bugmann, M. Folini and **R.S. Snell** (2018) Overstorey-understorey interactions intensify after drought-induced forest die-off: long-term effects for forest

structure and composition. *Ecosystems*. 21:723-739. <https://doi.org/10.1007/s10021-017-0181-5>

14. Huber, R., **R. Snell**, F. Monin, S. Brunner, D. Schmatz, and R. Finger (2017) Interaction effects of targeted agri-environmental payments on non-marketed goods and services under climate change in a mountain region. *Land Use Policy* 66:46-60. <https://doi.org/10.1016/j.landusepol.2017.04.029>
15. **Snell, R.S.**, A. Peringer and H. Bugmann (2017) Integrating processes across temporal and spatial scales to simulate landscape patterns and dynamics in mountain pasture-woodlands. *Landscape Ecology* 32:1079-1096. <https://doi.org/10.1007/s10980-017-0511-1>
16. Schuler*, L., H. Bugmann and **R.S. Snell** (2017) From monocultures to mixed-species forests: is tree diversity key for providing ecosystem services at the landscape scale? *Landscape Ecology* 32:1499–1516. <https://doi.org/10.1007/s10980-016-0422-6>
17. Thrippleton*, T., H. Bugmann, K. Kramer-Priewasser and **R.S. Snell** (2016) Herbaceous understorey – an overlooked player in forest landscape dynamics? *Ecosystems* 19:1240-1254. <https://doi.org/10.1007/s10021-016-9999-5>
18. Gutiérrez, A.G., **R.S. Snell**, and H. Bugmann (2016) Using a dynamic forest model to predict tree species distributions. *Global Ecology and Biogeography* 25:347-358. <https://doi.org/10.1111/geb.12421>
19. **Snell, R.S.** and S.A. Cowling (2015) Consideration of dispersal processes and northerly refugia can improve our understanding of past plant migration rates. *Journal of Biogeography* 42:1677-1688. <https://doi.org/10.1111/jbi.12544>
20. **Snell, R.S.**, A. Huth, J.E.M.S. Nabel, G. Bocedi, J.M.J. Travis, D. Gravel, H. Bugmann, A.G. Gutiérrez, T. Hickler, S.I. Higgins, M. Scherstjanoi, B. Reineking, N. Zurbriggen, H. Lischke (2014) Using dynamic vegetation models to simulate plant range shifts. *Ecography* 37:1184-1197. <https://doi.org/10.1111/ecog.00580>
21. Huber, R., S. Briner, H. Bugmann, C. Elkin, C. Hirschi, R. Seidl, **R.S. Snell**, and A. Rigling (2014) Inter- and transdisciplinary perspective on the integration of ecological processes into ecosystem services analysis in mountain regions. *Ecological Processes* 3:9. <https://doi.org/10.1186/2192-1709-3-9>
22. **Snell, R.S.** (2014) Simulating long distance seed dispersal in a dynamic vegetation model. *Global Ecology and Biogeography*, 23: 89–98. <https://doi.org/10.1111/geb.12106>
23. **Snell, R.S.**, S.A. Cowling, and B. Smith (2013) Simulating regional vegetation-climate dynamics for Middle America: tropical versus temperate applications. *Biotropica* 45:567-577. <https://doi.org/10.1111/btp.12054>
24. **Snell, R.S.** and J.F. Addicott (2008) Direct and indirect effects of ants on seed predation in moth/yucca mutualisms. *EcoScience* 15:305-314. <https://doi.org/10.2980/15-3-3116>

25. **Snell, R.S.** and J.F. Addicott (2008) Limiting the success of stem borers (*Prodoxus quinquepunctellus*) in yuccas: indirect effects of ants, aphids and fruit position. *Ecological Entomology* 33:119-126. <https://doi.org/10.1111/j.1365-2311.2007.00946.x>
26. **Snell, R.** and L.W. Aarssen (2005) Life history traits in selfing versus outcrossing annuals: exploring the 'time-limitation' hypothesis for the fitness benefit of self-pollination. *BMC Ecology* 5:2. <https://doi.org/10.1186/1472-6785-5-2>

Published data sets

1. **Snell, R.S.**, S.J. Smith, B.C. McCarthy, and T.F. Hutchinson (2021) Data and R code for "Both weather and resources influence masting in chestnut oak (*Quercus montana* Willd.) and black oak (*Q. velutina* Lam.)", *Plant Ecology*, 2021 ver 1. Environmental Data Initiative. <https://doi.org/10.6073/pasta/2ee69498e7bbd2784267b9f8c6bfa668>
2. **Snell, R.S.**, Goszka, A. (2021) Data from: Seed quality and seed quantity in red maple depends on weather and individual tree characteristics, Dryad, Dataset, <https://doi.org/10.5061/dryad.2rbnzs7m3>
3. DeForest J.L., and **R.S. Snell** (2019) Data and R code for "Tree growth response to shifting soil nutrient economy depends on mycorrhizal associations", *New Phytologist*, 2019. Environmental Data Initiative. <https://doi.org/10.6073/pasta/ae2425aeca31c2e7e8dd857657b57035>.

Technical Reports

1. **Snell, R.S.** (2006) COSEWIC assessment and status report on the Five-spotted Bogus Yucca Moth *Prodoxus quinquepunctellus* in Canada. Committee on the Status of Endangered Wildlife in Canada. Ottawa. vi + 31 pp.

PRESENTATIONS

Invited talks

1. R.S. Snell (March 2020) Changing management can mitigate the impacts of climate driven woody encroachment in high elevation pasture woodlands. Geography Departmental Seminar, Ohio University, Ohio.
2. R.S. Snell (February 2020) How will forests respond to climate change? Science Café, Research Division & Sigma Xi, Ohio University, Ohio.
3. R.S. Snell (August 2018) Transformations in forests - climate change. Honors In Action (HIA) Conference, Phi Theta Kappa, Hocking College, Ohio.
4. R.S. Snell (March 2017) Vegetation responses to climate change - a dynamic vegetation modelling approach. OCEES Ecolunch Seminar Series, Ohio University, Ohio.
5. R.S. Snell (March 2017) Using dynamic vegetation models to simulate the provisioning of ecosystem services: now and in the future. USDA Forest Service, Northeastern Research Station, Vinton Furnace Experimental Forest, Ohio.

6. R.S. Snell (December 2015) Predicting plant responses to climate change: a process-based approach using dynamic vegetation models. Environmental and Plant Biology Departmental Seminar, Ohio University, Ohio
7. R.S. Snell (May 2015) Simulating vegetation migration in LPJ-GUESS. LUsTT-BECC-MERGE International Workshop on *Dynamic global vegetation modelling: towards a third generation*, Landskrona, Sweden
8. R.S. Snell (March 2015) Predicting plant responses to climate change and management: a process-based approach using dynamic vegetation models. Iowa State University. Ecology, Evolution & Organismal Biology Departmental Seminar, Iowa.
9. R.S. Snell (September 2014) Landscape patterns in mountain pasture-woodlands under changing climate and management. Institute of Terrestrial Ecosystems Research Day, ETH Zurich, Switzerland.
10. R.S. Snell (May 2013) Simulating vegetation migration in response to climate change in a Dynamic Vegetation Model (LPJ-GUESS). Workshop on *Advancing concepts and models of species range dynamics: understanding and disentangling processes across scales*, Peyresq, France.

Contributed Posters and Presentations (since 2016)

(* graduate student, ** undergraduate student, presenting author in **bold**)

1. **Wagenknecht R.****, R.S. Snell. 2021. Seedling abundance response to a shifting soil nutrient economy depends on mycorrhizal association and age. Ohio University Student Expo.
2. **Osterday L.****, R.S. Snell. 2021. The impact of different feed levels on 10 species of *Sarracenia* pitcher plants. Analyzing data collected by Harvard Forest. Ohio University Student Expo.
3. **Sparbanie T.***, R.S. Snell. 2021. Effect of harvesting on seedling abundance in eastern USA forests using FIA data. Ohio University Student Expo
4. **Wagenknecht R.****, R.S. Snell. 2020. Measuring seedling abundance in SE Ohio under different soil conditions. Ohio University Student Expo.
5. **Snell R.S.**, T. Hutchinson. 2019. What about hickory in oak-hickory forests? Ecological Society of America, Louisville, KY, USA.
6. **Goszka A.R.***, R.S. Snell. 2019. Factors impacting seed production and seed quality of red maple (*Acer rubrum*) along an elevation gradient. Ecological Society of America, Louisville, KY, USA.
7. **Smith, S.J.***, R.S. Snell. 2019. What makes a superproducer? Identifying characteristics that increase reproductive effort in masting species. Ecological Society of America, Louisville, KY, USA.
8. **DeForest, J.**, R.S. Snell. 2019. Tree growth response to increases in phosphorus and soil pH is dependent on mycorrhizal associations. Ecological Society of America, Louisville, KY, USA.

9. **Langguth, J.****, R.S. Snell. 2019. Changes in The Hubbard Brook Experimental Forest. A statistical analysis across 47 years, Ohio University Student Expo.
10. **Smith, S.J.***, R.S. Snell. What makes a super producer? Causes of individual variation in reproductive effort of black oak. Ohio University Student Expo, Athens, Ohio.
11. **Gozka, A.R.***, R.S. Snell. 2019. Seed quality in red maple (*Acer rubrum*)". Ohio University Student Expo, Athens, Ohio.
12. **Ford, A.****, R.S. Snell. 2019. Animating forest models via scripting in Blender. Ohio University Student Expo, Athens, Ohio.
13. **Snell, RS**, H Bugmann. 2018. Climate change impacts on forests and forest productivity at a regional scale. Ecological Society of America, New Orleans, LA, USA.
14. **Smith, S.J.***, B.C. McCarthy, T.F. Hutchinson, R.S. Snell. 2018. Weather influences on masting events in chestnut oak and black oak in southeast Ohio. Ecological Society of America, New Orleans, LA, USA.
15. **Snell, R.S.**, C. Elkin, S. Kotlarski, H. Bugmann. 2018. The importance of climate uncertainty for projections of forest ecosystem services, International Association for Landscape Ecology, Chicago, IL, USA.
16. **Smith, S.J.***, B.C. McCarthy, T.F. Hutchinson, R.S. Snell. 2018. Weather Influences on Masting Events in Chestnut Oak and Black Oak in southeast Ohio. Ohio University Student Expo, Athens, Ohio.
17. **Gozka A.R.***, R.S. Snell. 2018. Developing CT scanning for analyzing endosperm development. Ohio University Student Expo
18. **Snell R.S.**, A. Peringer, H. Bugmann. 2017. The importance of abiotic and biotic interactions for determining range expansions at the alpine tree line. Ecological Society of America, Portland, OR, USA.
19. Snell, R.S., **T.C. Lourenco**, H. Bugmann, M.J. Cruz. 2017. Can we save the Montado? A modelling approach for testing the effectiveness of management options under different climate change scenarios European Climate Change Adaptation Conference, Glasgow, Scotland.

TEACHING

PBIO 1150	Plant Structure and Development (taught 4 times) Spring 2018, Spring 2019, Fall 2019, Spring 2021
PBIO 3150 / 5150	Statistical Methods in Plant Biology (taught 5 times) Every Spring semester (2017, 2018, 2019, 2020, 2021)
PBIO 3330 / 5330	Restoration Ecology (taught 2 times) Every other fall semester in even years (2018, 2020)
PBIO 8700	Multivariate Statistics (taught 3 times) Every other fall semester in odd years (2017, 2019, 2021)
PBIO 6970	Graduate Seminar (taught 3 times) Every other year (Fall 2017, Spring 2020, Fall 2021)
PBIO 6973	Ecology Journal Seminar (taught 2 times)

Spring 2017, Spring 2020

PBIO 4170 / 5170 Guest lecture for Biological Research and Science Ethics (5 times)
Every Fall semester (2017, 2018, 2019, 2020, 2021)

MENTORING

Graduate students – committee chair

- 2021 – current Tyler Arnold, MSc thesis, Ohio University. Influence of microtopography on phenology in oaks, a test of the pollination synchrony hypotheses.
- 2021 – current Aaron Rudolph, PhD thesis, Ohio University (co-supervised with Brian McCarthy). Impacts of climate variability and mesophication on the growth and regeneration of hickory (*Carya* spp.) in southeastern Ohio.
- 2019 – current Taylor Sparbanie, MSc thesis, Ohio University. Disturbance and dispersal mechanism as facilitators to climate change-induced tree species migration.
- 2019 – current Hoang Luu, PhD thesis, Ohio University. The effects of shifting reproduction due to climate change on forests in the Pacific Northwest.
- 2017 – 2019 Abigail Goszka, MSc thesis, Ohio University. Seed production and seed quality in red maple (*Acer rubrum* L.).
- 2017 – 2019 Sarah Smith, MSc thesis, Ohio University. Population-level and individual-level drivers of reproduction in chestnut oak (*Quercus montana* Willd.) and black oak (*Q. velutina* Lam.) in Southeast Ohio.
- 2014 – 2018 Laura Schuler, PhD thesis, ETH Zurich (co-supervisor with Harald Bugmann). Are mixed species forests more resistant to disturbances and climate change?
- 2013 – 2017 Timothy Thrippleton, PhD thesis, ETH Zurich (co-supervisor with Harald Bugmann). The effects of understory vegetation on forest dynamics.

Graduate students – committee member

- PhD, Kate Madsen, Environmental and Plant Biology Department (2021 – current).
- PhD, Keith Tompkins, Biological Sciences Department (2021 – current).
- MS, Sylvi Oh, Environmental and Plant Biology Department (2020 – current).
- PhD, Aaron Rudolph, Environmental and Plant Biology Department (2020 – current).
- PhD, Remington Burwell, Environmental and Plant Biology Department (2020 – current).
- PhD, Shabnam Pordel, Chemistry and Biochemistry Department (2019 – current)
- PhD, Sam Lockhart, Environmental and Plant Biology Department (2019 – current).
- PhD, Cassandra Thompson, Biological Sciences Department (2018 – current).
- MS, Marina Baldissera, Voinovich School (2019, left program).
- MS, Delaney Gibbs, Environmental and Plant Biology Department (2019 – 2021, Completed).
- PhD, Brett Fredericksen, Environmental and Plant Biology Department (2018 – 2021, Completed).
- PhD, Kelsey Bryant, Environmental and Plant Biology Department (2017 – 2021, Completed).

MS, Jasmine Facun, Voinovich School (2018 – 2020, Completed).
MS, Andrew Fox, Voinovich School (2018 – 2019, Completed).
MS, Jack Monsted, Environmental and Plant Biology Department (2016 – 2018, Completed).
MS, David Jenkins, Biological Sciences Department (2017 – 2018, Completed).
MS, Michelle Ward, Biological Sciences Department (2017 – 2018, Completed).
MS, Bina Sitepu, Environmental and Plant Biology Department (2016 – 2018, Completed).
PhD, Harlan Svoboda, Environmental and Plant Biology Department (2018, Completed).

Undergraduate students

Rebecca Wagenknecht, BS Honors Thesis, 2021, Ohio University, Seedling abundance response to a shifting soil nutrient economy depends on mycorrhizal association and age.

Hannah Raile (PBIO, work study, 2021 – current)

Noah Leigh (PBIO, field assistant, 2021 – current)

Eliana Paukert (PBIO, work study, 2018 – current)

Rebecca Wagenknecht (PBIO, work study, independent research and thesis, 2017 – 2021)

Gabi Lindsay (PBIO, HTC summer research apprenticeship, 2021)

Zac May (PBIO, field assistant and research experience, 2020)

Devra Roberts (PBIO, field assistant, 2020)

Maura Linthicum (PBIO, field assistant, 2020)

Hannah Kopp (PBIO, research experience, 2020)

Lauren Nogrady (PBIO, research experience, 2020)

Maddy Back (Biological Sciences, research experience, 2019)

Rachel Wichterman (PBIO, PACE and independent research, 2018 – 2019)

Alex Ford (Computer Science, PACE and independent research, 2017 – 2018)

Eva Heller (PBIO, field assistant, 2018)

Sam Kukor (PBIO, field assistant, 2017)

UNIVERSITY SERVICE

Department

Field Ecology Major advisor (PBIO BA 2119). (October 2020 – current)

Fall 2020 – 10 undergrad advisees

Spring 2021 – 14 undergrad advisees

Fall 2021 – 14 undergrad advisees

Outreach committee, Committee Member. (July 2021 – current)

Graduate committee, Committee Member. (July 2018 – current).

Colloquium Coordinator. (July 2017 – current).

OCEES Representative. (August 15, 2016 – current).

Panel member for "Women in Science" course. (April 9, 2019).

PBIO Group I search committee, Committee Member. (August 2018 - January 2019).

University

Faculty Mentor, Ohio University Women's Mentoring Program (2018, 2019, 2020, 2021).

PROFESSIONAL SERVICE

Ecology and Evolution, Editor, Associate Editor. (February 20, 2019 – current)

2019 – handled 7 manuscripts

2020 – handled 9 manuscripts

2021 – handled 6 manuscripts (to date)

Journal Reviewer for 23 manuscripts from 14 journals from 2017 – 2021

Ecology and Evolution; Ecosphere; Environmental Modelling; Forests; Forest Ecology and Management; Frontiers in Ecology and the Environment; Geoscientific Model Development; Global Change Biology; Global Ecology and Biogeography; Journal of Biogeography; Landscape Ecology; Philosophical Transactions of the Royal Society B; Plant Ecology; Science of the Total Environment

Grant proposal reviewer

NSF (National Science Foundation), Reviewer, GFRP Ecology panel (January 2021)

SNF (Swiss National Science Foundation), Reviewer, Grant Proposal. (August 2020)

DFG (German Research Foundation), Reviewer, Grant Proposal. (May 2020).

OUTREACH

Skype a Scientist (April 13 2020, May 4, 2020)

Science Café, How will forests respond to climate change? (February 19, 2020)

Member of Biodiversity Working Group for Wayne National Forests, 2020 Forest Management Plan Revision, Athens, OH (October 2018 – 2020).

Day in the Woods, Woodland Research at Vinton Furnace Experimental Forest (October 11 2019).

Restoration Planting with OU Plant Club at Radar Hill (October 20 2019)

TechSavvy (AAUW), Workshop Organizer. (May 2018, 2019).

TechSavvy (AAUW), Representative for Plant Biology (May 2017).

Defend our Forests, Guest Speaker, Athens, OH. (April 17, 2018).

Defend our Future, Guest Speaker, Athens, OH. (November 30, 2017).

TV, WTAP TheNewsCenter Parkersburg, October 20, 2018, Interviewed by Cory Smith,

Meteorologist about the impact of climate change on forests and trees.

<https://www.facebook.com/WxCory/videos/vb.1695423324088081/334776977289016/?type=2&theater>

Date of last update: September 28 2021