

# Calvin L. Norman

Professional Email: cmn5525@psu.edu

Office Phone Number: 814-863-4705

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## EDUCATION

### Clemson University

*Master of Science in Forest Resources*

Clemson, SC

May 2020

### Michigan Technological University

*BS in Forestry, Wildlife Ecology and Management (double major)*

Houghton, MI

May 2017

Cum Laude, Dean's List (5 semesters), Xi Sigma Pi (Forestry Honors Society)

## TEACHING

### Pennsylvania State University

State College, PA

1. Field Dendrology (FOR 203)—Fall 2022 & 2023 8 credits (Co-instructor)
2. Forest Measurements (FOR 266)—Spring 2023 & 2024 4 credits (Instructor)

### Clemson University

Clemson, SC

1. Fire Ecology Creative Inquiry—Fall & Spring 2019 & 2020 2 credits (Co-instructor)
2. Silviculture Lab—Spring 2019 & 2020 3 credits (Teaching Assistant)
3. Graduate Seminar—Fall 2019 1 credit (Coordinator)

## FUNDED PROJECTS (TOTAL AMOUNT: \$ 1,979,669)

1. **C. Norman**. 2024. "War in Ukraine: Impact on People, Forests, and the Environment". *The Pennsylvania State University School of International Affairs*. \$5,000
  2. T. Wagner, J. Keagy, M. Schall, K. Smalling, **C. Norman**, & G. Smith. 2024-2026. "Per- and polyfluoroalkyl occurrence and concentration in lentic invasive snakehead populations: identifying gene expression signatures of toxicity with implications for human consumption advisories". *Pennsylvania Seas Grant College Program*. 130,000
  3. J.K. Kreye, S. Smith, M. Kreye, A. Muth, T. Groh, **C. Norman**, & F. Kibuye. 2023. "Broadening Extension through Student Training (BEST)". *The Pennsylvania State University Department of Ecosystem Science and Management*. \$40,000.
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4. M. Kreye, **C. Norman**, C. Vander Schaaf, T. Cushing, G. El Afandi, B. deSilva, P. Leopold, K. Cooper, M. Clark, and T. Ontl. 2022-2026. "Forest Owner Carbon and Climate Education Program (FOCCE)". *National Institute of Food and Agriculture*. \$1,500,000.
5. J.K. Kreye, M. Kreye, A. Muth, **C. Norman**, S. Smith, and E.P. Burkhart. 2022-2023. "Broadening Extension through Student Training (BEST)". *The Pennsylvania State University Department of Ecosystem Science and Management*. \$60,000.
6. A. Muth, S. Wursbacher, D. Jackson, S. Weikert, K. Brooks, & C. Norman. 2021-2024. "Forest Stewardship-Year 31". *United States Department of Agriculture, Forest Service*. \$171,669.
7. E. Machtinger, M. Skvarla, **C. Norman** and K. Poh. 2021-2022. "Deer, ticks, and keds, oh my! Assessing how tick repellents affect deer and deer parasites and educating hunters on repellent use". *The Pennsylvania State University College of Agricultural Science Science-to-Practice Program*. \$10,000.
8. M. McDill, M. Jacobson, M. Kreye, A. Muth, and **C. Norman** 2021-2022. "Evaluating the Feasibility of a Pennsylvania Forest Carbon Cooperative". *US Forest Service*. \$50,000.
9. **C. Norman**, A. Muth, S. Wurzbacher, D. Jackson, K. Schmidt, and J. Rose. 2020-2021. "Oak Wilt Management and Disposal". *The Pennsylvania State University College of Agricultural Science Science-to-Practice Program*. \$9,000.
10. **C. Norman**, G.G Wang., and L.S. Pile. 2019-2020. "Prescribed Fire Impact on Chinese Tallow in Lowland Hardwoods". *Nemours Wildlife Foundation*. \$4,000.

## BOOKS

1. Edited by M. Kreye, **C. Norman**, & K. Brooks. 2024. Educator Guidebook Part 1: Carbon Incentives for Forest Owners. *Penn State Extension*. In-press

## INVITED BOOK CHAPTERS

1. **C. Norman**. 2024. *Mammal Control in Orchards* in Tree Fruit Production Guide 2024-2025. *Penn State Extension*. In-press

## SCHOLARLY PUBLICATIONS

1. M. J. Skvarla, K. C. Poh, **C. Norman**, & E. Machtinger. 2024. Reaction of European deer keds (Diptera: Hippoboscidae: *Lipoptena cervi*) to commercial tick and mosquito repellents and subsequent survival. *Journal of Medical Entomology*. Under review
2. M. J. Skvarla, K. C. Poh, **C. Norman**, E.D. Struckhoff, & E. Machtinger. 2023. European deer keds (Diptera: Hippoboscidae: *Lipoptena cervi* (Linnaeus)) and blacklegged ticks (Ixodida: Ixodidae: *Ixodes scapularis* (Say)) on elk (*Cervus canadensis* (Srxleben)). *Journal of Entomological Society of Ontario*. In-press
3. **C. Norman**, W. Slater, C Strickland, T. Markus, K. Young, K. Crout, J. Hartshorn. 2019. Ambrosia Beetles. *Land Grant Press*. In-press
4. L.S. Pile, L. Vickers, M. Stambaugh, **C. Norman**, and G.G. Wang. 2019. The Tortoise and the Hare: A Race between Native Tree Species and the Invasive Chinese Tallow. *Forest Ecology and Management*. In-press

## PROFESSIONAL/SCHOLARLY PRESENTATIONS

1. **C. Norman**, J.K. Kreye, S. Smith, M. Kreye, A. Muth, T. Groh, & F. Kibuye. 2024. Broadening Extension through Student Training (BEST). *Association of Natural Resource Extension Professionals (ANREP)*. ANREP Biennial National Conference. Biennial national conference.
2. **C. Norman**. 2024. How to Translate Educational Content. *Association of Natural Resource Extension Professionals (ANREP)*. ANREP Biennial National Conference. Biennial national conference.
3. M. Kreye & **C. Norman**. 2024. Adult Education: Using Peers and Pros for Climate Education. *FOCCE*. Forestry Field Day Planning—Working with Under-represented Landowners. One-time training event
4. M. Kreye & **C. Norman**. 2023. Forest Owner Climate and Carbon Initiative: Resources to Share. *International Union of Forest Research Organizations—Extension and Knowledge Exchange Committee*. Bi-annual International Meeting of the IUFRO Extension and Knowledge Exchange Committee. Biennial international conference

5. M. Kreye & **C. Norman**. 2023. Forest Owner Climate and Carbon Initiative. *Society of American Foresters*. SAF National Conference. Annual national conference.
6. **C. Norman**, K., Brooks, S. Smith., & M. Skvarla. 2023. What Extension Looks like: Panel Discussion. *Penn State Department of Ecosystem Science and Management*. Broadening Extension through Student Training (Workshop). College level workshop.
7. **C. Norman**. 2023. The Profession of Extension. *Penn State Department of Ecosystem Science and Management*. Broadening Extension through Student Training (Workshop). College level workshop.
8. M. Kreye & **C. Norman**. 2022. Teaching Forest Owners about Climate and Carbon Initiative. *Society of American Foresters*. SAF National Conference. Annual national conference.
9. M. J. Skvarla, K. Poh, J. Evans, **C. Norman**, and E. Machtinger. 2022. Deer keds in Pennsylvania. *The Wildlife Society*. PA Chapter annual meeting.
10. **C. Norman**, S. Wurzbacher, J. Rose, S. Johnson, & D. Jackson. 2022. Improving Oak Wilt Management in PA. *Penn State Extension*. International Conference on Improving Oak Wilt Management. International conference.
11. **C. Norman**, S. Wurzbacher, J. Rose, S. Johnson, & D. Jackson. 2022. Disposing of Infected Material. *Penn State Extension*. International Conference on Improving Oak Wilt Management. International conference.
12. **C. Norman**, S. Guynn, and D. Guynn. 2019. Mixing Deer and Oak: A 13-year Study Measuring the Effects of Deer Herbivory in the Piedmont of South Carolina. *Society of American Foresters*. Annual national conference.
13. **C. Norman**, L.S. Pile, and G.G. Wang. 2019. Bettering Chinese Tallow (*Triadica sebifera*) Management: 6 Years of Response to Several Treatments. *Society of American Foresters*. Annual national conference.
14. **C. Norman**, S. Guynn, and D. Guynn. 2019. Impact of white-tailed deer herbivory on upland hardwood plant communities and oak regeneration in the Piedmont of South Carolina. *Appalachian Society of American Foresters*. Winter Meeting. Annual regional meeting.

15. **C. Norman**, S. Guynn, and D. Guynn. 2019. Impact of white-tailed deer herbivory on upland hardwood plant communities and oak regeneration in the Piedmont of South Carolina. *Southeastern Deer Study Group*. Annual national meeting.

## Scholarly Posters

1. **C. Norman** & E. Rojik. 2024. Pairing Invasive Plant Education and Management. *Association of Natural Resource Extension Professionals (ANREP)*. Biennial national conference.
2. **C. Norman**. 2024. IUFRO EKE: What is it and Why Should You Join. *Association of Natural Resource Extension Professionals (ANREP)*. Biennial national conference.
3. A. Martin, C. Myers, **C. Norman**, & B. Bloodwood. 2019. Chinese tallow's response to prescribed fire in upland pine and lowland hardwood stands. *Society of American Foresters*. Annual national conference
4. **Norman C.**, L.S. Pile, & G.G. Wang. 2019. The long-term impact of prescribed fire in integrated pest management of Chinese tallow (*Triadica sebifera*). *Southern Silvicultural Research Conference*. Bi-annual regional conference
5. **C. Norman**, S. Guynn, & D. Guynn. 2019. Impact of white-tailed deer herbivory on upland hardwood plant communities and oak regeneration in the Piedmont of South Carolina. *Graduate Research and Discovery Symposium*.

## Non-Scholarly Publications (49) \*Invited publications

1. **C. Norman** & M. Kantor. 2024. Beech Leaf Disease. *Penn State Extension*
2. **C. Norman**. 2024. Frontiers in Forest Health. *Penn State Extension*
3. **C. Norman**. 2024. Webinar Series: Climate-Smart Silviculture. *Penn State Extension*
4. **C. Norman**. 2024. The War in Ukraine: Impacts on the People, Forests, and Environment. *Penn State Extension*
5. **C. Norman** & A. Zak. 2023. Rabbit Hemorrhagic Disease Virus (RHD) In Pennsylvania. *Penn State Extension*
6. **C. Norman**. 2023. Heating with Wood: An Introduction. *Penn State Extension*
7. M. Kreye, **C. Norman**, C. L. VanderSchaaf, & A. Susaeta. 2023. Forest Carbon Pools: Where are They? *Penn State Extension*
8. M. Kreye, **C. Norman**, C. L. VanderSchaaf, & A. Susaeta. 2023. Carbon Accounting in Forest Management. *Penn State Extension*
9. **C. Norman** and M. Kreye. 2023. What Do Forest Carbon "Sequestration" and "Storage" Mean? *Penn State Extension*
10. M. Kreye, **C. Norman**, T. Cushing, & S. Tanger. 2023. What Should I Think About Before Signing a Forest Carbon Contract? *Penn State Extension*

11. M. Kreye and **C. Norman**. 2023. Case Study 1: Three Landowners' Experiences with Climate Smart Forest Programs. *Penn State Extension*
12. M. Kreye, **C. Norman**, and S. Sharma. 2023. Case Study 2: Three Landowners' Experiences with Climate Smart Forest Programs. *Penn State Extension*
13. **C Norman**. 2023. Understanding Prion Diseases. *Penn State Extension*
14. **C. Norman**. 2023. Forest Farming Series Announcement. *Penn State Extension*
15. Kreye M. & **C. Norman**. 2023. Facts about Forest Carbon and Carbon Markets. *Penn State Extension*
16. **C. Norman**. 2023. *Carbon Markets in the Woods*. Context\*
17. J. Benavides & **C. Norman**. 2022. Uso de drones en agricultura y gestión de recursos naturales. *Penn State Extension*
18. **C. Norman**. & K. Schmidt Planting a Riparian Grass Buffer for Wildlife
19. J. Benavides & **C. Norman**. 2022. *Penn State Extension*. Using Drones in Agriculture and Natural Resource Management
20. **C. Norman** & M. Kreye. 2022. Cómo los bosques almacenan el carbono. *Penn State Extension*
21. **C. Norman**. 2022. Primer for CWD Webinar Series. *Penn State Extension*
22. **C. Norman**. & E. Rojik. 2022. Wavyleaf Basketgrass. *Penn State Extension*
23. S. Tanger & **C. Norman**. 2022. Natural Capital Exchange. *Mississippi State University Extension*
24. **C. Norman** & M. Kreye. 2021. Questions to Ask Before Joining a Carbon Program. *Penn State Extension*
25. **C. Norman** & M. Kreye. 2021. What Does Forest Carbon "Sequestration" and "Storage" Mean? *Penn State Extension*
26. **C. Norman** & M. Kreye. 2021. What is Selling Forest Carbon Like? Three Landowners' Experiences. *Penn State Extension*
27. **C. Norman**., K. Schmidt, S. Wurzbacher, D. Jackson, & A. Muth. 2021. Oak Wilt in Eastern Forests. *Penn State Extension*
28. **C. Norman**, K. Schmidt, E. Burkhardt, & E. Zimmerman. 2021. The Identification of Mesophytic Cove Sites in Pennsylvania. *Penn State Extension*
29. **C. Norman**, A. Muth, K. Brooks, D. Jackson, and S. Wurzbacher. 2021. Oak Wilt in Eastern Forests *Penn State Extension*
30. **C. Norman**, S. Johnson, & A. DeWitt. 2021. Using iMapInvasive to Help Control Hemlock Woolly Adelgid. *Penn State Extension*
31. **C. Norman** & K. Schmidt. 2021. What is Chronic Wasting Disease? *Penn State Extension*
32. **C. Norman** & K. Schmidt. 2021. The Effect of Coyotes on Pennsylvania's Deer Herd. *Penn State Extension*
33. **C. Norman** & J. Geyer. 2021. What's Going on with Dimensional Lumber Prices? *Penn State Extension*

34. K. Schmidt & C. Norman. 2021. Climate Change Effects on Pennsylvania's Forests. *Penn State Extension*
35. C. Norman. 2021. Winter 2021 Update on Forest Carbon Programs. *Penn State Extension*.
36. C. Norman. 2021. Nature Resources for Educators, Parents, and Youth. *Penn State Extension*.
37. C. Norman. 2021. Oak Wilt at the Stone Valley Experimental Forest. *Penn State Extension*.
38. C. Norman. 2021. Why Penn's Woods Needs Biomass. *Penn State Extension*
39. C. Norman. 2021. Cougars Are Not in Pennsylvania. *Penn State Extension*
40. Norman C. 2021. Why are the Colorado Blue Spruce Dying? *Elm Grove News-Independent*.\*
41. C. Norman. and T. Groh. 2020. Biochar in Riparian Buffers. *Penn State Extension*
42. C. Norman. 2020. Why Penn's Woods Needs Biomass. *Penn State Extension*
43. C. Norman & M. Kreye. 2020. How Forest Carbon Programs Work: Two Case Studies. *Penn State Extension*
44. C. Norman. & M. Kreye. 2020. Carbon Markets 101. *Penn State Extension*
45. C. Norman & M. Kreye. 2020. How Forests Store Carbon. *Penn State Extension*
46. C. Norman. 2020. Eastern Spadefoot Toad. *Penn State Extension*
47. C. Norman. 2020. Eastern Massasauga. *Penn State Extension*
48. C. Norman. 2020. Oak Wilt on the Stone Valley Experimental Forest. *Penn State Extension*
49. Norman C. 2016. Cougar attack fear unfounded. *The Daily Mining Gazette*.

## PODCAST APPEARANCES *\*Invited guest*

1. The Truth about Carbon Markets. 2023. *Statistically Insignificant\**
2. The White Oak Shortage That Could Ruin the Bourbon Industry. 2023. *Oddlots\**
3. The Death of Eastern Forests. 2023. *Well, There's Your Problem\**
4. The Deadly Threat Waiting in Our Forests. 2022. *It Could Happen Here\**
5. The Woods are Bad. 2022. *It Could Happen Here\**

## Media Appearances

1. Interview for article. "Penn State Extension to host webinars on the impact of war on forests in Ukraine". 02/15/2024. *Penn State News*

2. Interview for article. "Aspiring natural resource professionals showcase skills in Dendro Cup contest". 01/30/2024. *Penn State News*
3. Interview for article. "What the Future Holds for White Oak". Gabe Toth. 01/01/2024. *Artisan Distiller*
4. Interview for article. "Mountain lion in Lower Macungie? Nope. What it was, and why cougars won't pop up in Pa". Steve Novak. 10/16/2023. *Lehigh Valley Live*

## EXTENSION VIDEOS

1. S. Smith & C Norman. 2023. Update on Chronic Wasting Disease. *Penn State Extension*
2. S. Smith & C Norman. 2023. Eastern Hemlock Health Update. *Penn State Extension*
3. S. Smith & C Norman. 2022. Woodland Wisdom No. 5: Carbon Credits and Forestland Owners. *Penn State Extension*
4. S. Smith & C Norman. 2022. Woodland Wisdom, Part 4: Three Pitfalls for Forest Landowners. *Penn State Extension*
5. S. Smith & C Norman. 2022. Woodland Wisdom 3. *Penn State Extension*
6. S. Smith & C Norman. 2022. Woodland Wisdom 2. *Penn State Extension*.
7. S. Smith & C Norman. 2021. Woodland Wisdom 1. *Penn State Extension*.
8. C. Powell & C Norman. 2021. Portrait of a Pennsylvania Farmer: Logging and Lumber Industry. *Penn State Extension*.
9. C. Norman. 2020. Endangered in PA: Indiana bat. *Penn State Extension*.
10. C. Norman. 2020. Endangered in PA: Bog Turtles. *Penn State Extension*.

## GUEST LECTURE

1. Working with Private Landowners. 03/2023. Policy and Administration (FOR 480). *Penn State*
2. Oak Wilt. 02/2024. Forest Pests and Pathogens. *Penn State*
3. Invasive Species and Fire. 10/2023. Forest Soils. *Penn State*
4. Carbon Markets. 03/2023. Policy and Administration (FOR 480). *Penn State*
5. Carbon Markets. 03/2022. Policy and Administration (FOR 480). *Penn State*
6. Understanding Forest and Economics. 09/2022. Economic Decision Making (Graduate level). *New York Institute of Technology-Vancouver*



## EXTENSION/NON-SCHOLARLY PRESENTATIONS (180) *\*Invited speaker*

### 2024 (39)

1. The Future of Forests in Ukraine: A discussion (Webinar). 04/2024. Penn State Extension. Organizer/Moderator
2. Forest Carbon: Where is it and who owns it? (Webinar). 04/2024. Penn State Extension. Organizer/Moderator
3. A Crash Course in Conservation Genetics. (Webinar). 04/2024. Penn State Extension. Organizer/Moderator
4. Forever Problems? Invasive catfish and PFAS (Webinar). 04/2024. Penn State Extension. Organizer/Moderator
5. Forests and the Frontlines (Webinar). 04/2024. Penn State Extension. Organizer/Moderator
6. Knotweed Management. 04/2024. *Penn State Extension*. Moderator
7. Personality is the Thing with Feathers: How birds learn, breed and behave (Webinar). 04/2024. *Penn State Extension*. Organizer/Moderator
8. Managing Invasive Knotweeds (Webinar). 04/2024. *Penn State Extension*. Organizer/Moderator
9. Shelterbelts: A forest that protects the environment, the future, and soldiers (Webinar). 04/2024. *Penn State Extension*. Organizer/Moderator
10. Heavy Metals and Soil Testing for Urban Gardeners (Webinar). 04/2024. *Penn State Extension*. Organizer/Moderator
11. Fish, Water, and Wetlands through the War (Webinar). 04/2024. Penn State Extension. Organizer/Moderator
12. Frontiers in Forest Health: Laurel wilt (Webinar). 04/2024. *Penn State Extension*. Organizer/Moderator
13. Impact on Forest Users and Managers in Ukraine (Webinar). 04/2024. Penn State Extension. Organizer/Moderator

14. *Frontiers in Forest Health: Asian longhorned beetle (Webinar). 04/2024. Penn State Extension. Organizer/Moderator*
15. *War in the Red Forest: Forestry in the Chernobyl Exclusion Zone (Webinar). 03/2024. Penn State Extension. Organizer/Moderator*
16. *Forest Management and Climate Change: A Women Perspectives (Webinar). 03/2024. Penn State Extension. Organizer/Moderator*
17. *Ukraine Series: Humanitarian Mine Action and Environmental Issues (Webinar). 03/2024. Penn State Extension. Organizer/Moderator*
18. *Climate-Smart Silviculture: A panel discussion (Webinar). 03/2024. Penn State Extension. Organizer/Moderator*
19. *Having it All: Balancing Carbon, Forest Health, and Other Goals (Webinar). 03/2024. Penn State Extension. Organizer/Moderator*
20. *Exploring Succession and Estate Planning: A Panel Discussion (Webinar). 03/2024. Penn State Extension. Organizer/Moderator*
21. *Advice from the Woods (Webinar). 03/2024. Penn State Extension. Host/Moderator/ Co-presenter.*
22. *Ukraine Series: Humanitarian Mine Action (HMA) in Ukraine (Webinar). 03/2024. Penn State Extension. Organizer/Moderator*
23. *Frontiers in Forest Health: Oak Wilt (Webinar). 03/2024. Penn State Extension. Organizer/Moderator/Co-presenter*
24. *Managing for Old-Growth with Novel Threats (Webinar). 03/2024. Penn State Extension. Organizer/Moderator*
25. *Adapting Silviculture to a Changing World (Webinar). 03/2024. Penn State Extension. Organizer/Moderator*
26. *Ukraine Series: Forest Fire Driven by War (Webinar). 03/2024. Penn State Extension. Organizer/Moderator*

27. Ukraine Series: Introduction to Ukraine Forests and the War (Webinar). 03/2024. *Penn State Extension*. Organizer/Moderator
28. Exploring Cansiglio: 500 Years of Forestry in the Italian Prealps (Webinar). 02/2024. *Society of American Foresters*. Organizer/Moderator/Co-presenter
29. Frontiers in Forest Health: American Chestnut Restoration (Webinar). 02/2024. *Penn State Extension*. Organizer/Moderator/Co-presenter
30. Frontiers in Forest Health: Managing Spongy Moth (Webinar). 02/2024. *Penn State Extension*. Organizer/Moderator/Co-presenter
31. Invasive ID and Management (Webinar). 02/2024. *Penn State Extension*. Presenter\*
32. 360 Videos in Natural Resources Education (Webinar). 02/2024. *Penn State Extension*. Moderator
33. Invasive Species and You: How to win the battle. 01/2024. *Penn State Extension*. Presenter\*
34. How Foresters Can Become Certified Technical Service Providers (Webinar). 01/2024. *Penn State Extension*. Organizer/Moderator
35. Becoming NRCS Certified Technical Service Provider (TSP): An Overview (Webinar). 01/2024. *Penn State Extension*. Organizer/Moderator
36. Frontiers in Forest Health: Beech Leaf Disease (Webinar). 1/2024. *Penn State Extension*. Organizer/Moderator
37. Advice from the Woods (Webinars). 01/2024. *Penn State Extension*. Host/Moderator/ Co-presenter.
38. Pennsylvania's Effort to Reintroduce American Marten (Webinar). 1/2024. *Penn State Extension*. Organizer/Moderator

## 2023 (79)

39. Heirs Property and Land Fragmentation: Past, Present, and Future Ramifications (Webinar). 12/2023. *Penn State Extension*. Organizer/Moderator

40. Advice from the Woods (Webinars). 11/2023. *Penn State Extension*. Moderator/ Co-presenter.
41. Handling and Processing Deer in Areas with CWD (Webinar). 11/2023. *Penn State Extension*. Organizer/Moderator/Co-presenter
42. Managing Tree of Heaven and Other Invasive Trees (Webinar). 11/2023. Organizer/Co-presenter
43. Understanding Prions and CWD (Webinar). *Penn State Extension*. Organizer/Presenter
44. Managing Common Invasive Shrubs (Webinar). 11/2023. Organizer/Co-presenter
45. Forest Farming Series: Goldenseal (Webinar). 10/2023. *Penn State Extension*.  
Organizer/Moderator
46. Native Tree Propagation. 10/2023. *The Arboretum at Penn State*. Co-presenter\*
47. Working to Conserve Natural Spaces. 10/2023. *Penn State Extension*. Organizer/Co-presenter
48. Communicating Conflicts in Science. 10/2023. *Ecosystem Science and Management Graduate Student Organization (PSU)*. Co-presenter\*
49. Managing Tree of Heaven. 10/2023. *Penn State Extension*. Organizer/Presenter
50. Diving Deep on Managing Invasive Plants. 10/2023. *Penn State Extension*.  
Organizer/Moderator/Co-presenter
51. Native Tree Propagation. 10/2023. *The Arboretum at Penn State*. Co-presenter\*
52. Forest Management and Birds: Climate Resilient Forestry (Webinar). 10/2023. *Penn State Extension*. Organizer/Moderator/Co-presenter
53. Advice from the Woods (Webinar). 10/2023. *Penn State Extension*. Co-presenter
54. Forest Management and Birds: Forest Management for Birds (Webinar). 10/2023. *Penn State Extension*. Organizer/Moderator/Co-presenter
55. Lessons from Florida: Invasive Species Prevention and Management Prioritization (Webinar). 10/2023. *Penn State Extension*. Organizer/Co-presenter

56. Forest Management and Birds: Habitat Management Planning and Assessment  
(Webinar). 09/2023. *Penn State Extension*. Organizer/ Moderator
57. Forest Management and Birds: Introduction to Healthy Forest Initiative (Webinar).  
09/2023. *Penn State Extension*. Organizer/ Moderator
58. Advice from the Woods (Webinar). 08/2023. *Penn State Extension*. Co-presenter
59. Forest Farming Series: American Ginseng (Webinar). 08/2023. *Penn State Extension*.  
Organizer/Co-presenter
60. Learning to Identify Plants. 07/2024. *Pennsylvania State Education Association*. Presenter\*
61. Understanding Invasive Species. 07/2024. *Pennsylvania State Education Association*.  
Presenter\*
62. Learning to Identify Plants. 07/2024. *Pennsylvania State Education Association*. Presenter\*
63. All about Prions. 07/2024. *Pennsylvania State Education Association*. Presenter\*
64. Managing Japanese Stiltgrass. 06/2023. *Penn State Extension*. Organizer/Moderator
65. Learning to Identify Native Trees. *Penn State Extension*. Presenter
66. Understanding Forests. 06/2023. *Ag Educator's Institute*. Co-presenter\*
67. Introduction to Forestry. 06/2023. *Ag Educator's Institute*. Co-presenter\*
68. Managing Japanese Stiltgrass (Webinar). 06/2023. *Penn State Extension*.  
Organizer/Moderator
69. Forest Farming Series: Ghost-Pipe/Indian-Pipe (Webinar). 06/2023. *Penn State Extension*.  
Organizer/Co-presenter
70. Wildlife Adaptions (Webinar). 06/2023. *Penn State Extension*. Organizer/Moderator
71. Wildlife Adaptions (Webinar). 06/2023. *Penn State Extension*. Organizer/Moderator
72. Introduction to Bird Watching. 05/2023. *Penn State Extension*. Organizer/Co-presenter
73. Introduction to Bird Watching (Webinar). 05/2023. *Penn State Extension*. Organizer/Co-  
presenter
74. Ecosystem Research: Mapping with Drones (Webinar). 05/2023. *Penn State Extension*.  
Organizer/Moderator

75. Climate Change and Climate-Smart Forestry. 05/2023. *Southwest PA Woodlot Owners Association Annual Meeting*. Presenter\*
76. Pawpaw Walk and Seed Giveaway. 05/2023. *Penn State Extension*. Organizer/Presenter
77. Cambria County Envirothon. 05/2023. *Cambria County Envirothon*. Judge\*
78. Advice from the Woods (Webinar). 05/2023. *Penn State Extension*. Co-presenter
79. Creating Bird Habitat in Your Backyard (Webinar). 5/2023. *Penn State Extension*. Organizer/Moderator/Presenter
80. Hunter Perceptions of Chronic Wasting Disease in Deer (Webinar). 05/2023. *Penn State Extension (Webinar)*. Organizer/Moderator/Co-presenter
81. Hunter Perceptions of Chronic Wasting Disease in Deer (Webinar). 05/2023. *Penn State Extension*. Organizer/Moderator/Co-presenter
82. Becoming a Better Whitetail Deer Hunter: Finding Places to Hunt (Webinar). 04/2023. *Penn State Extension*. Organizer/Co-presenter
83. Becoming a Better Whitetail Deer Hunter: Whitetail Deer Hunting: Zeroing in on Ethical Hunting (Webinar). 04/2023. *Penn State Extension (Webinar)*. Organizer/Co-presenter
84. Forest Farming Series: Morels. (Webinar). 04/2023. *Penn State Extension (Webinar)*. Organizer/Co-presenter
85. Becoming a Better Whitetail Deer Hunter: Women Embracing the Hunt (Webinar). 04/2023. *Penn State Extension (Webinar)*. Organizer/Moderator
86. Ecosystem Research: Bedrock and Climate Change - Adapting Forests for the Future. Hunt (Webinar). 04/2023. *Penn State Extension (Webinar)*. Organizer/Moderator
87. Becoming a Better Whitetail Deer Hunter: Hunting with Others. 04/2023. *Penn State Extension (Webinar)*. Organizer/Co-presenter
88. Exploring and Conserving Migratory Bird Habitat Walk. 04/2023. *Penn State Extension*. Organizer/Co-presenter
89. Forestry, the ACRE Law, and Local Regulations (Webinar). 04/2023. *Penn State Extension*. Organizer/Co-presenter

90. Exploring and Conserving American Woodcock Habitat Walk. 04/2023. *Penn State Extension*. Organizer/Co-presenter
91. Exploring and Conserving Ruffed Grouse Habitat Walk. 04/2023. *Penn State Extension*. Organizer/Co-presenter
92. Presenting Science to the Public. 04/2023. *Ecosystem Science and Management Graduate Student Organization (PSU)*. Organizer/Moderator/ Co-Presenter
93. Climate Change in Your Backyard. 03/2023. *Penn State Extension*. Presenter\*
94. Understanding Invasive Species. 03/2023 *Penn State Extension*. Presenter\*
95. Working Through Utility Scale Solar Siting with the DCNR and PDA (Webinar). 03/2023. *Penn State Extension*. Organizer/Moderator/Co-presenter
96. Climate Change and Carbon Markets (Workshop). 03/2023. *PA Forest Landowner's Conference*. Co-presenter\*
97. Understanding CWD. 03/2023. *PA Forest Landowner's Conference*. Presenter\*
98. Threats to Eastern Hemlock. 03/2023. *PA Forest Landowner's Conference*. Presenter\*
99. Forest Farming Series: Ramps/Wild Leeks. (Webinar). 03/2023. *Penn State Extension*. Organizer/Moderator
100. Educator Training Course: Carbon Incentives for Forest Owners Part 4 (Webinar). 03/2023. *Penn State Extension*. Organizer/Moderator/ Co-Presenter
101. Educator Training Course: Carbon Incentives for Forest Owners Part 3 (Webinar). 03/2023. *Penn State Extension*. Organizer/Moderator/ Co-Presenter
102. Educator Training Course: Carbon Incentives for Forest Owners Part 2 (Webinar). 03/2023. *Penn State Extension*. Organizer/Moderator/ Co-Presenter
103. Educator Training Course: Carbon Incentives for Forest Owners Part 1 (Webinar). 03/2023. *Penn State Extension*. Organizer/Moderator/ Co-Presenter
104. Ecosystem Research: The Art of Soil and Nutrient Management - Microbes and Cover (Webinar). 03/2023. *Penn State Extension*. Organizer/Moderator
105. Invasive Woody Plants. 03/2023. *Penn State Extension*\*. Presenter

106. Managing Invasive Woody Plants. 03/2023. *Penn State Extension*. Organizer/Co-Presenter
107. Understanding CWD. 2/2023. *PA Meat and Egg Producer's Meeting\**
108. Advice from the Woods (Webinar). 02/2023. *Penn State Extension*. Co-presenter
109. Ecosystem Research: Birds as Method to Help Conserve Forests (Webinar). 02/2023. *Penn State Extension* (Webinar). Organizer/Moderator
110. Forest Farming Series: Introduction to Forest Farming and Non-Timber Forest Products (Webinar). 02/2023. Organizer/Moderator
111. Understanding Forest Carbon. 02/2023. *McKean Country Woodland Owners Association*. Presenter\*
112. Stressors of Maple: Dieback and Mortality (Webinar). 01/2023. *Penn State Extension*. Organizer/Moderator

## 2022

113. Advice from the Woods (Webinar). 12/2022. *Penn State Extension*. Co-presenter
114. CWD: What You Need to Know. 12/2022. *Woodland Owners of the Southern Allegheny*. Presenter\*
115. Introduction to Carbon Markets. 11/2022. *Penn State Facilities*. Presenter\*
116. Carbon and Forest Health. 11/2022. *White Township*. Presenter\*
117. PSU Forestry Monthly Seminar Series: Designing and Maintaining Edge Habitat (Webinar). 10/2022. *Penn State Extension*. Presenter/Organizer
118. PSU Forestry Monthly Seminar Series: Designing and Maintaining Edge Habitat (Webinar). 10/2022. *Penn State Extension*. Presenter/Organizer
119. Climate and Carbon. 10/2022. *PA Forest Stewards Training*. Presenter\*
120. Forestry for Birds: Forest Management for Birds. 09/2022. *Penn State Extension* (Webinar). Host/Moderator/ Co-presenter
121. Forestry for Birds: Carbon Sequestration Forestry and Forest Bird Habitat Manage (Webinar). 09/2022. *Penn State Extension* (Webinar). Host/Moderator/ Co-presenter



122. Forestry for Birds: Forest Bird Habitat Management Planning and Assessments  
(Webinar). 09/2022. *Penn State Extension* (Webinar). Host/Moderator/ Co-presenter
123. Forestry for Birds: Introduction to the Healthy Forests Initiative and the Kitta Ridge  
(Webinar). 09/2022. *Penn State Extension* (Webinar). Host/Moderator/ Co-presenter
124. Managing Invasive Species. 09/2022. *Penn State Extension*. Organizer/Presenter
125. Managing Invasive Species. 09/2022. *Penn State Extension*. Organizer/Presenter
126. Hemlock Conservation: Protecting Hemlocks from Hemlock Woolly Adelgid. 08/2022.  
*Penn State Extension*. Organizer/Presenter
127. Hemlock Conservation: Protecting Hemlocks from Hemlock Woolly Adelgid. 08/2022.  
*Penn State Extension*. Organizer/Presenter
128. Advice from the Woods (Webinar). 08/2022. *Penn State Extension*. Moderator/Co-  
presenter
129. Noxious Weeds in Pa. 08/2022. *Penn State Extension*. Presenter\*
130. Chronic Wasting Disease in Pennsylvania: Roundtable (Webinar). 08/2022. Penn State  
Extension. Organizer/Moderator
131. Chronic Wasting Disease in Pennsylvania: How PA is Responding (Webinar). 08/2022.  
*Penn State Extension*. Organizer/Moderator
132. Chronic Wasting Disease in Pennsylvania: The Impact of CWD on Pennsylvania's Hunter  
(Webinar). 08/2022. *Penn State Extension*. Organizer/Moderator
133. Chronic Wasting Disease in Pennsylvania: Understanding Prion Diseases (Webinar).  
08/2022. *Penn State Extension*. Organizer/Moderator
134. Get to Know Aquatic Invasive Species (Webinar). 07/2022. *Penn State Extension*.  
Organizer/Moderator
135. Understanding Forests. 06/2023. Ag Educator's Institute. Co-presenter\*
136. Introduction to Forestry. 06/2023. Ag Educator's Institute. Co-presenter\*
137. Advice from the Woods (Webinar). 06/2022. *Penn State Extension*. Co-presenter

138. Get to Know the Woods: Tree ID and Intro to Forest Ecology. 05/2022.  
Organizer/Speaker
139. Managing Forests to Enhance Carbon Storage (Webinar). 05/2022. Organizer/Speaker
140. Climate Change and Forest Health (Webinar). 03/2022. *Somerset Master Gardeners*.  
Presenter\*
141. Introduction to Forest Carbon Markets (Webinar). 03/2022. *Louisiana's CENLA Forestry Forum*. Co-presenter\*
142. Advice from the Woods (Webinar). 02/2022. *Penn State Extension*. Co-presenter
143. Understanding Forest Carbon Markets. 02/2022. *NRCS Central Region State Foresters Monthly Meeting* (Webinar). Co-presenter
144. Getting Started in Maple Syrup. 01/2022. *Penn State Extension*. Organizer

**2021**

145. A Review of the Forest Owner Carbon Market Assessment and Planning Tool (FCMAP) (Webinar). 12/02/2021. *Penn State Extension*. Organizer/Moderator
146. Landowner Interest in Carbon Market Opportunities in the US (Webinar). 12/2021.  
*Forest Carbon Working Group*. Co-presenter\*
147. Understanding Forest Carbon and Carbon Market for Landowners in South Dakota Series: Forest Carbon in the Black Hills (Webinar). 11/2021. *South Dakota Department of Environment & Natural Resources*. Co-organizer/ Co-Moderator\*
148. Advice from the Woods (Webinar). 11/2021. *Penn State Extension*. Co-presenter
149. Understanding Forest Carbon and Carbon Market for Landowners in South Dakota Series: Carbon and Buildings (Webinar). 11/2021. *South Dakota Department of Environment & Natural Resources* (Webinar). Co-organizer/ Co-Moderator\*
150. Understanding Forest Carbon and Carbon Market for Landowners in South Dakota Series: Forest Carbon Markets (Webinar). 11/2021. *South Dakota Department of Environment & Natural Resources* (Webinar). Co-organizer/ Co-presenter\*

151. Understanding Forest Carbon and Carbon Market for Landowners in South Dakota  
Series: What is Forest Carbon? (Webinar). 11/2021. *South Dakota Department of Environment & Natural Resources* (Webinar). Co-organizer/ Co-presenter\*
152. Carbon Markets in Pennsylvania (Webinar). 11/2021. *Penn State Extension*. Co-presenter\*
153. Deer Management for Indiana Township Parks. 10/2021. *Indiana Township*. Co-presenter\*
154. How to Use the First Order Fire Effects Model (FOFEM) (Webinar). 10/2021. *Penn State Extension*. Organizer/Moderator
155. 4-H Forestry SPIN Club Field Day. 10/2021. *Penn State Extension*. Co-organizer/ Co-presenter
156. Forest Carbon Panel (Webinar). 10/2021. *Citizen's Climate Lobby*. Moderator \*
157. Understanding Lawn Conversion. 10/2021. *Penn State Extension*. Organizer/ Co-presenter
158. Managing Invasive Plants in Pennsylvania. 09/2021. *Penn State Extension*. Organizer/ Co-presenter
159. Advice from the Woods (Webinar). 09/2021. *Penn State Extension*. Co-presenter
160. Biochar and Carbon Trade (Webinar). 09/2021. *US Forest Service*. Co-presenter\*
161. Chronic Wasting Disease in Pennsylvania: Panel Discussion (Webinar). 08/2021. *Penn State Extension*. Co-organizer/Moderator/Co-presenter
162. Chronic Wasting Disease in Pennsylvania: What You Need to Know about CWD (Webinar). 08/2021. *Penn State Extension*. Co-organizer/Moderator
163. Chronic Wasting Disease in Pennsylvania: The Impact of CWD on Pennsylvania's Hunt (Webinar). 08/2021. *Penn State Extension*. Co-organizer/Moderator
164. Chronic Wasting Disease in Pennsylvania: How Pennsylvania Is Responding to CWD (Webinar). 08/2021. *Penn State Extension*. Co-organizer/Moderator
165. Advice from the Woods (Webinar). 07/2021. *Penn State Extension*. Co-presenter

166. Utility-Scale Solar Siting and Forests (Webinar). 07/08/2021. *Penn State Extension*.

Organizer/Moderator

167. A Conversation with FFCP Managers (Webinar). 06/15/2021. *Penn State Extension*.

Organizer/Moderator

168. Creating a Backyard Oasis for Wildlife (Webinar). 05/2021. *Penn State Extension*. Co-presenter

169. Managing Forests in Pennsylvania with Climate Change in Mind (Webinar). 05/2021.

*Penn State Extension*. Organizer/Moderator

170. Managing Forests to Enhance Carbon Storage (Webinar). 05/2021. *Penn State Extension*.

Organizer/Moderator

171. Advice from the Woods (Webinar). 04/2021. *Penn State Extension*. Moderator/Co-presenter

172. An Introduction to Forests, Carbon Sequestration and Markets (Webinar). 04/2021. *Penn State Extension*. Organizer/Moderator/Co-presenter

173. An Introduction to Forests, Carbon Sequestration and Markets Roundtable (Webinar). 4/2021. *Penn State Extension*. Organizer/Moderator

174. Advice from the Woods (Webinar). 01/2021. *Penn State Extension*. Moderator/Co-presenter

175. Dismiss the Myths - Common Myths About Ticks, Mosquitoes, and Other Vectors (Webinar). 1/2021. *Penn State Extension*. Co-presenter

## 2020

176. Advice from the Woods (Webinar). 10/2020. *Penn State Extension*. Co-presenter

177. Proper Chainsaw Sharpening Techniques (Webinar). 9/2020. *Penn State Extension*. Moderator

178. Where to Begin as a Forest Landowner: Exploring Options for Inspired Landowners (Webinar). 1/2021. *Penn State Extension* (Webinar). Co-presenter

179. Natural Area Management Services - Advanced Level II (Webinar). 2/2021. *Maryland Extension*. Co-presenter\*
180. An Introduction to Forests, Carbon Sequestration and Markets Roundtable (Webinar). 12/2020. *Penn State Extension*. Organizer/Moderator
181. An Introduction to Forests, Carbon Sequestration and Markets Roundtable (Webinar). 11/2020. *Penn State Extension*. Organizer/Co-presenter

## LEADERSHIP

1. Membership Chair and Treasurer. *Rothrock Chapter of Society of American Foresters (SAF)*. 2022-current
2. Award Committee Chair. *Allegheny SAF*. 2023-current.
3. Quiz Bowl Committee Member. *SAF*. 2023-current.
4. Treasurer and Secretary. 2019-2020. *Keowee Chapter of SAF*.
5. Treasurer/Secretary. *Natural Resources Graduate Student Associate (NRGSA) at Clemson University*. 2019-2020.
6. Undergraduate Outreach Committee. *NRGS at Clemson University*. 2018-2020
7. Graduate Student Senator. *Clemson University*. 2019-2020
8. President. *Xi Sigma Pi at Michigan Technological University*. 2016-2017

## SERVICE

1. Member. Society of American Foresters Winter Meeting. *Allegheny SAF*. 2024
2. Vector-borne Disease Extension Educator Hiring Committee. 2022. *Penn State Extension*.
3. Reviewer. 2021-current. *iMAP Invasive*.
4. Member of the Riparian Buffer Working Group Meeting. 2021-current. *Penn State Extension*.
5. Member of the Vector-borne Disease Team. 2021-current. *Penn State Extension*.
6. Member of the Energy Team. 2021-current. *Penn State Extension*.
7. Member of the Fuel for Schools Task Force. 2021-current. *The Pennsylvania State University*.

## CONFERENCES PLANNED *\*Planned as a team*

1. Allegheny SAF Winter Meeting. 2025. Lead organizer. *Allegheny SAF\**
2. Allegheny SAF Winter Meeting. 2024. Planning team member. *Allegheny SAF\**
3. SILVAH. 2022. Planning team member *Penn State Extension\**
4. International Conference on Improving Oak Wilt Management. 2022. Organizer. *Penn State Extension\**

## AWARDS & SCHOLARSHIPS *\*Team award*

1. "Employee of the Year". 2023. **C. Norman**. *NexGen Forestry*
2. "A Hybrid Educational Programming Model for the Pennsylvania Green Industry". 2023. National finalist, abstract and presentation, Search for Excellence in Consumer or Commercial Horticulture. Pickoff, M., E. Swackhamer, K. Snyder, A. Korman, T. Delvalle, T. Ford, T. Abbey, T. Butzler, S. Adam, J. Fowler, R. Benner, S. Feather, B. Walsh, G. Christ, G. Bupp, P. Landschoot, **C. Norman**, S. Sjolander, J. Brackenrich, J. Akins, D. Dillman, N. Young, M. Clitherow. *Annual Meeting of the National Association of County Agricultural Agents\**
3. "Advice from the Woods". 2022. Innovative Natural Resource Program Gold Level Award. Brooks, K., **C. Norman**, S. Wurzcher, D. Jackson, J. Kreye, M. Kreye, S. Smith, A. Muth, & S. Wiekert, 2022. *Association of Natural Resource Extension Professionals\**
4. "Latinx Agricultural Network (LAN)". National Extension Award for Diversity. 2022. Barragan A., E. Matchinger, M. Gorgo-Gourovitc, J. Prudencio, & **C. Norman** *Association of Public and Land-grant Universities' Extension Committee on Organization and Policy and the U.S. Department of Agriculture's National Institute of Food and Agriculture\**
5. "Forest Owner Carbon and Climate Education Program (FOCCE)". Integrated Team Award. 2022. M. Kreye & **C. Norman**. *Penn State College of Agricultural\**
6. "Distinguished Senator". 2019. **C. Norman** *Clemson Graduate Student Government*.
7. "George B Robbe Memorial Scholarship". 2014-2017. **C. Norman**. *Michigan Technological University School of Forestry*.
8. "National Excellence Scholarship". 2013-2017. **C. Norman**. *Michigan Technological University*.
9. Eagle Scout. 2012. **C. Norman**. *Boy Scouts of America*.

## WORK EXPERIENCE

### Assistant Teaching Professor of Forestry & Co-Founder of Forest Owner Carbon and

#### Climate Education (FOCCE)

*Pennsylvania State University*

University Park, PA

August 2022-Current

Educate students, and a diverse array of stakeholders about the latest in forestry and natural resources to improve management, as well as conduct research to create solutions to the threats facing Pennsylvania's forests.

### Forestry and Wildlife Extension Educator

*Penn State University*

Ebensburg, PA

June 2020-August 2022

Educate the public and professionals about the latest in natural resources to improve management and conduct research to create solutions to the threats facing Pennsylvania's forests.

### Graduate Research Assistant

*Clemson University*

Clemson, SC

May 2018-May 2020

Researched the use of integrated control (mechanical, herbicide, and fire) to control invasive Chinese tallow (*Triadica sebifera*) at US Marine Corps Depot Parris Island.

### Resource Forester

*JM Longyear*

Marquette, MI

May 2017 – December 2017

Assisted in managing 20,000 acres of commercial forest land in Michigan's Upper Peninsula, where I took raised trees from seedling to sawlog.

### Research Technician

*Michigan Technological University*

Houghton, MI

May 2016 – May 2017

Supported projects for the US Forest Service Northern Forest Research Station and MTU.

### Soil Lab Technician

*Michigan Technological University*

Houghton, MI

March – May 2016

Prepared soil samples for chemical nutrient analysis for the Environmental Fate of Carbon in Logging Residues under Operational Forest Management project.

### Research Technician

*Michigan Technological University*

Houghton, MI

May 2016 – August 2017

Conducted an in-depth survey of 162 acres of northern hardwoods in the Ford Experimental Forest.

## CERTIFICATIONS

1. Certified Applicator (PA) Categories CORE, 5, & 18
2. Candidate Certified Forester # 77498
3. Oak SILVAH, 2022
4. Allegheny/Northeast Leadership Training for the Society of American Foresters, 2022
5. Deer Steward 1, Quality Deer Management Association, 2019
6. Project Wet-8 Hour Certificate. 2018. Project Wet
7. Project Wild-8 Hour Certificate. 2018. Project Wild
8. Project Learning Tree-8 Hour Certificate. 2018. Project Learning Tree