

CHRISTOPHER R. WEBSTER

*College of Forest Resources & Environmental Science
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EDUCATION

University of Wisconsin, Madison, WI

Fundamentals of Online Teaching, Spring 2020

University of Wisconsin, Madison, WI

PhD Forestry, August 2002 (Advisor: Dr. Craig G. Lorimer)

Minor: Quantitative Ecology

Purdue University, West Lafayette, IN

MS Forest Science, December 1997 (Advisor: Dr. George R. Parker)

BS (with highest distinction) Wildlife Science, May 1994

ACADEMIC HONORS

Purdue University: Gamma Sigma Delta (Biology Honor Society); Raftery Award (Wildlife Leadership Award); School of Forestry and Natural Resources Outstanding Freshman, Sophomore, and Junior; Phi Eta Sigma (Freshman Honor Society); Alpha Lambda Delta (Freshman Honor Society); Xi Sigma Pi (Forestry Honor Society); Golden Key National Honor Society; Phi Kappa Phi Honor Society

AWARDS

- Provost's Award for Sustained Teaching Excellence, Michigan Technological University, 2020
- Distinguished Teaching Award Finalist, Michigan Technological University, 2018.
- Distinguished Teaching Award Finalist, Michigan Technological University, 2017.
- Nominee: Outstanding Graduate Mentor, Michigan Technological University, 2012.
- Academy of Teaching Excellence Inductee, Michigan Technological University, 2009.
- Distinguished Teaching Award Finalist, Michigan Technological University, 2009.
- Graduate Dean's Award for Student Mentoring, Michigan Technological University, 2007.

APPOINTMENTS

8/12-present **Professor: Quantitative Ecology and Forest Management**
Michigan Technological University (MTU), MI.

8/08-7/12 **Associate Professor: Quantitative Ecology and Forest Management**
Michigan Technological University (MTU), MI.

8/02-7/08 **Assistant Professor: Quantitative Ecology and Forest Management**
Michigan Technological University (MTU), MI.

TEACHING

My current teaching role in the College of Forest Resources and Environmental Science includes: Vegetation of North America (FW2010; 4 cr.), Conservation of Nature (FW2030; 3 cr.), Plant Community Ecology (FW5135; 3 cr.; alt. years), and Woody Plants of North America (FW5020; 2 cr.) during the academic year and Practice of Silviculture (FW3010; 4 cr.) and Survey of Silviculture (FW3012; 2 cr.) during summer session. During my tenure at Michigan Technological university I have also taught Wildlife Ecology, Multi-resource Assessment, Integrated Resource Assessment, and Restoration Ecology.

PROFESSIONAL MEMBERSHIPS

Society of American Foresters, Torrey Botanical Society

GRADUATE STUDENTS

(Supervised as primary advisor unless otherwise noted)

Degrees awarded (8 PhD, 13 MS):

PhD

1. **Claudia Bartlick** (2023) Dissertation: *Silviculture, seeds, and deer: assessing ground layer diversity along experimental disturbance gradients in a managed northern hardwood forest.* (co-advisor)
2. **Grace Parikh** (2019) Dissertation: *Spatiotemporal variability in winter severity: consequences for white-tailed deer populations and habitat sustainability* (co-advisor).
3. **Colin C. Phifer** (2017) Dissertation: *Impacts to biodiversity and ecosystem services from bioenergy development: a pan American experience.* (Co-advisor)
4. **Bryan D. Murray** (2013) Dissertation: *Spatial and temporal patterns in ungulate-ecosystem interactions.*
5. **Amber Roth** (2012) Dissertation: *Tradeoffs in avian and vegetation productivity within intensively managed aspen forests* (Co-advisor).
6. **Jill Witt** (2010) Dissertation: *Patch selection by wintering white-tailed deer: consequences for eastern hemlock regeneration at local and landscape scales.*
7. **Stacie Holmes** (2009) Dissertation: *The influence of concurrent disturbances on plant community dynamics in northern hemlock-hardwood forests.*
8. **Matt Powers** (2008) Dissertation: *Physiological performance and stand dynamics in managed red pine forests with complex stand structures.*

MS

1. **Melanie Ottino** (2023) Thesis: *White-Tailed Deer in a Winter Wonderland: Long-Term Deer Yard Use and Methodological Considerations for Ungulate Fecal DNA Metabarcoding* (co-adviser)
2. **Manuel Anderson** (2023) Thesis: *Two research perspectives on sugar maple canopy dieback in the Upper Great Lakes States: A decade of herbaceous community response and a survey of Michigan forest managers.* (co-advisor)
3. **Matt Vander Molen** (2021) Thesis: *Regeneration patterns in silvicultural openings of great Lakes northern hardwoods 15-24 years post-harvest.*
4. **Sam Knapp** (2019) Thesis: *The effects of group-selection openings on species composition in northern hardwoods.*
5. **Sarah Klingsporn Poznanovic** (2013) Thesis: *Promoting biological diversity in forest ecosystems using ecological forestry.*
6. **Max Henschell** (2010) Thesis: *Trade-offs in avian and grassland productivity* (Co-advisor).
7. **Chad Fortin** (2009). Thesis: *Floristic quality as a potential driver of vegetative diversity-productivity relationships and arthropod habitat in restored grasslands.*
8. **Nick R. Jensen** (2009) Thesis: *Ungulate winter habitat selection as a driver of heterogeneity in ground-layer plant communities.*
9. **Sarah Stehn** (2009) Thesis: *Influence of exogenous disturbance on bryophyte community assemblage and tree regeneration in southern Appalachian spruce-fir forests.*
10. **Dan Haskell** (2009) Thesis: *Quantifying the ecological benefits of lake shore restoration in northern Wisconsin* (Co-advisor).
11. **Joshua M. Shields** (2006) Thesis: *Initial effects of group-selection harvesting with yellow birch (*Betula alleghaniensis*) retention on biodiversity in northern hardwoods.*
12. **Jennifer A. Griggs (Thiemann)** (2005) Thesis: *Simplified floral diversity and the legacy of a protected deer herd in the agricultural woodlots of Cades Cove, Great Smoky Mountains National Park.*
13. **Steve R. Wangen** (2004) Thesis: *Spatial and temporal dynamics of an introduced tree species as it invades a temperate forested island.*

PUBLICATIONS

(Graduate Student: *; Undergraduate Student: ‡)

Peer-reviewed Manuscripts:

1. Dolinsk*, L., T.L. Bal, **C.R. Webster**, S.C. Resh. (*in press*) Assessing the utility of a native pathogenic fungus as a biocontrol alternative to herbicide on invasive buckthorns in forests of upper Michigan. *Natural Areas Journal*
2. Rutherford*, R.D., **C.R. Webster**. (*in press*) Top-kill of vascular plants during a drought on granite bedrock glades in the Huron Mountains, Michigan. *Journal of the Torrey Botanical Society* 2023; doi: <https://doi.org/10.3159/TORREY-D-23-00008.1>
3. Bartlick*, C.I., J.I. Burton, **C.R. Webster**, R.E. Froese, Y.L. Dickinson. 2023. An experimental approach to identify drivers of tree regeneration diversity, composition, and heterogeneity in northern hardwood forests. *Forest Ecology and Management* 546: 121320. <https://doi.org/10.1016/j.foreco.2023.121320>
4. Bartlick*, C.I., J.I. Burton, **C.R. Webster**, R.E. Froese, S.F. Hupperts, Y.L. Dickinson. 2023. Artificial tip-up mounds influence tree seedling composition in a managed northern

- hardwood forest. *Canadian Journal of Forest Research*. 53(11): 893-904.
<https://doi.org/10.1139/cjfr-2022-0252>
5. **Webster, C.R.**, J.I. Burton, Y.L. Dickinson. 2023. Influence of silvicultural practices in northern hardwood forests on a long-lived perennial herb, *Trillium cernuum* L. *Forest Ecology and Management* 545: 121282. <https://doi.org/10.1016/j.foreco.2023.121282>
 6. **Webster, C.R.**, M.S. VanderMolen*. 2023. Persistent, transient and emergent influences of deer herbivory on canopy gap ground layers, 18 years post-disturbance. *Journal of the Torrey Botanical Society* 150:437-454. <https://doi.org/10.3159/TORREY-D-23-00004.1>
 7. Sample, R.D., Z.J. Delisle, J.M. Pierce, R.K. Swihart, J.N. Caudell, **C.R. Webster**, M.A. Jenkins. 2023. Predicting and indexing ungulate browse intensity from local to regional scales. *Ecological Indicators* 154: 110564 <https://doi.org/10.1016/j.ecolind.2023.110564>.
 8. Cavigliasso, P., C.C. Phifer*, J.L. Knowlton, J.A. Licata, D.J. Flaspohler, **C.R. Webster**, N.P. Chacoff. 2022. Influence of landscape composition on wild bee communities: Effects of functional landscape heterogeneity. *Agriculture, Ecosystems & Environment* 340: 108150 <https://doi.org/10.1016/j.agee.2022.108150>
 9. Hupperts*, S.F., **C.R. Webster**, R.E. Froese, B. Bal, Y.L. Dickinson. 2022. Influence of strip clearcuts, deer exclusion and herbicide on initial sapling recruitment in northern hardwood forests. *Forests* 13(7): 1149. <https://doi.org/10.3390/f13071149>
 10. VanderMolen*, M.S., **C.R. Webster**. 2021. Influence of deer herbivory on regeneration dynamics and gap capture in experimental gaps, 18 years post-harvest. *Forest Ecology and Management* 501: 119675
 11. VanderMolen*, M.S., S.P. Knapp*, **C.R. Webster**, C.C. Kern, Y.L. Dickinson. 2021. Spatial patterning of regeneration failure in experimental canopy gaps 15-24 years post-harvest. *Forest Ecology and Management* 499: 119577
 12. Parikh*, G.L., **C.R. Webster**, J.A. Vucetich. 2021. A microhistological investigation of White-tailed Deer winter diets in relict Eastern Hemlock stands, Upper Peninsula of Michigan, USA. *Northeastern Naturalist* 281: 296-310.
 13. Gorchov, D.L., B. Blossey, K.M. Averill, A. Dávalos, J.M. Heberling, M.A. Jenkins, S. Kalisz, W.J. McShea, J.A. Morrison, V. Nuzzo, **C.R. Webster**, D.M. Waller. 2021. Differential and interacting impacts of invasive plants and white-tailed deer in eastern U.S. forests. *Biological Invasions*, 23(9), 2711-2727. <https://doi.org/10.1007/s10530-021-02551-2>
 14. Knowlton, J.L., K.E. Halvorsen, D.J. Flaspohler, **C.R. Webster**, J. Abrams, S.M. Almeida, S.L. Arriaga Weiss, B. Barnett, M.R. Cardoso, P.V. Cerqueira, D. Córdoba, M. Persio Dantas Santos, J.L. Dunn*, A. Eastmond, G.M. Jarvi[‡], J.A. Licata, E.E. Mata Zayas, R. Medeiros, M. Azahara Mesa Jurado, L. Yamily Moo Culebro, C. Moseley, E. Nielsen, C.C. Phifer*, E.C. Pischke*, C. Schelly, T. Selfa, C.A. Silva, T. Souza, S.R. Sweitz, C.J. Vázquez Navarrete. 2021. Birds and bioenergy within the Americas: a cross-national, social-ecological study of ecosystem service tradeoffs. *Land* 10:258. <https://doi.org/10.3390/land10030258>
 15. Oliveira*, S.L., D.J. Flaspohler, J.L. Knowlton, **C.R. Webster**, J.D. Wolfe. 2021. Migratory bird community structure in oil palm (*Elaeis guineensis*) plantations and native forest fragments in southern Mexico. *Journal of Field Ornithology* 92: 1-17.
 16. Knapp*, S.P., C.C. Kern, **C.R. Webster**. 2021. Harvested opening size affects cohort development and failures in a second-growth northern hardwood forest. *Forest Ecology and Management* 482:118804. <https://doi.org/10.1016/j.foreco.2020.118804>
 17. Hupperts*, S., **C.R. Webster**, R.E. Froese, E.A. Lilleskov, A.M. Marcarelli, Y.L. Dickinson. 2020. Increasing ground-layer plant taxonomic diversity masks declining

- phylogenetic diversity along a silvicultural disturbance gradient. *Canadian Journal of Forest Research* 50: 1259-1267.
18. Hupperts*, S., **C.R. Webster**, R.E. Froese, Y.L. Dickinson. 2020. Seedling and sapling recruitment following novel silvicultural treatments in Great Lakes northern hardwoods. *Forest Ecology and Management* 462:117983.
 19. Jenkins, M.A. and **C.R. Webster**. 2019. Age structure and recruitment of *Trillium luteum* (Trilliaceae) populations in secondary forests of the southern Appalachian Mountains. *Journal of the Torrey Botanical Society* 146: 239-251.
 20. Knapp*, S.P., **C.R. Webster**, C.C. Kern. 2019. The composition and height of saplings capturing silvicultural gaps at two long term experiments in managed northern hardwood forests. *Forests* 10, 855; doi:10.3390/f10100855
 21. Knapp*, S.P., **C.R. Webster**, C.C. Kern. 2019. Can group selection with legacy retention change compositional trajectories in conventionally managed hardwoods? *Forest Ecology and Management* 448:174–186.
 22. Parikh*, G.L., **C.R. Webster**. 2019. Press-pulse *Odocoileus virginianus* herbivory in relict *Tsuga canadensis* stands in the western Upper Peninsula of Michigan, USA. *Forests* 10(6), 496; <https://doi.org/10.3390/f10060496>
 23. Parikh*, G.L., **C.R. Webster**, J.A. Vucetich, J.J. Durocher, J.K. Bump. 2018. Does persistent snowpack inhibit degradation of fecal stress indicators? *Conservation Physiology* 6(1) <https://doi.org/10.1093/conphys/coy071>
 24. Jarvi[‡], G.M., J.L. Knowlton, C.C. Phifer*, A.M. Roth, **C.R. Webster**, D.J. Flaspohler. 2018. Avian community response to short-rotation aspen forest management. *Northeastern Naturalist* 25(2): 308-318.
 25. Widen*, M.J., M.A. Petras O'Neil*, Y.L. Dickinson, **C.R. Webster**. 2018. *Rubus* persistence within silvicultural openings and its impact on regeneration: The influence of opening size and advance regeneration. *Forest Ecology and Management* 427:162-168.
 26. Hupperts, S.F., Y.L. Dickinson, **C.R. Webster**, C.C. Kern. 2018. Promoting structural and species diversity in Great Lakes northern hardwoods: a conceptual model and its application. *Forestry* 92: 16-25. <https://doi.org/10.1093/forestry/cpy026>
 27. Haskell, D.E., A.L. Bales, **C.R. Webster**, M.W. Meyer, D.J. Flaspohler. 2018. Effectiveness of bare-root and gravel-culture shrubs used in wildlife habitat restoration on lakeshores in Northern Wisconsin. *Ecological Restoration* 36:134-144.
 28. **Webster, C.R.**, Y.L. Dickinson, J.I. Burton, L.E. Frelich, M.A. Jenkins, C.C. Kern, P. Raymond, M.R. Saunders, M.B. Walters, J.L. Willis. 2018. Promoting and maintaining diversity in contemporary hardwood forests: confronting contemporary drivers of change and the loss of ecological memory. *Forest Ecology and Management*—invited Tamm Review, 421: 98-108. <https://doi.org/10.1016/j.foreco.2018.01.010> (**Web of Science Highly Cited Paper**)
 29. Fahey, R.T., B. Alveshire, J.I. Burton, A. D'Amato, Y.L. Dickinson, W.S. Keeton, C.C. Kern, A.J. Larson, B.J. Palik, K.J. Puettmann, M.R. Saunders, **C.R. Webster**, J.W. Atkins, C.M. Gough, B.S. Hardiman. 2018. Shifting conceptions of complexity in forest management and silviculture. *Forest Ecology and Management* 421: 59-71. <https://doi.org/10.1016/j.foreco.2018.01.011>
 30. Haskell*, D.E., A.L. Bales*, **C.R. Webster**, M.W. Meyer, D.J. Flaspohler. 2017. Restoring hardwood trees to lake riparian areas using three planting treatments. *Restoration Ecology* 25: 933-941.
 31. Haskell*, D.E., **C.R. Webster**, A.L. Bales*, M.W. Meyer, D.J. Flaspohler. 2017. Assessment of wildlife habitat attributes at restoration projects on northern Wisconsin lakeshores. *Northeastern Naturalist* 24: 391-412.

32. Haskell*, D.E., A.L. Bales*, **C.R. Webster**, D.J. Flaspohler, M.W. Meyer. 2017. Conifer restoration on lakeshores using 3 planting techniques. *Native Plants Journal* 18:235-244.
33. Brito, TF, CC Phifer*, JL Knowlton, CM Fiser[‡], NM Becker[‡], F de Carvalho Barros, F Andres León Contrera, M. Motta Mauás, L Juen, L Fogaça de Assis Montag, **CR Webster**, DJ Flaspohler, M Pérsio Dantas Santos, D Paiva Silva. 2017. Forest reserves and riparian corridors help maintain orchid bee (Hymenoptera: *Euglossini*) communities in oil palm plantations in Brazil. *Apidologie* 48: 575-587. DOI: 10.1007/s13592-017-0500-z
34. Phifer*, C.C, J.L. Knowlton, **C.R. Webster**, D.J. Flaspohler, J.A. Licata. 2017. Bird community responses to afforested eucalyptus plantations in the Argentine pampas. *Biodiversity and Conservation* 26: 3073-3101.
35. Kern, C.C., J.I. Burton, P. Raymond, A.W. D'Amato, W.S. Keeton, A.A. Royo, M.B. Walters, **C.R. Webster**, J.L. Willis. 2017. Challenges facing gap-based silviculture and possible solutions for mesic northern forests in North America. *Forestry* 90:4-17. (**Web of Science Highly Cited Paper**) ***Awarded the Percy Stubbs and John Bolton King and Edward Garfitt Prize for Silviculture (the Silvicultural Prize) for 2018 by the Institute of Chartered Foresters.***
36. **Webster, C.R.**, J.H. Rock, M.A. Jenkins. 2017. Response of spring flora to nearly two decades of deer exclusion and resurgent woody understories within exclosures. *Journal of the Torrey Botanical Society* 144:1-14.
37. Premer*, M.I., R.E. Froese, **C.R. Webster**, L.M. Nagel. 2016. Vegetation response to logging residue removals in Great Lakes aspen forests: Long-term trends under operational management. *Forest Ecology and Management* 382:357-368.
38. Murray, B.D., **C.R. Webster**, M.A. Jenkins, M.R. Saunders, G.S. Haulton. 2016. Context dependent effects of ungulates on early seral plant communities follow anthropogenic disturbance. *Ecosphere* 7(6): e01378. 10.1002/ecs2.1378
39. Kangas*, L.C., R. Schwartz*, M.R. Pennington, **C.R. Webster**, R.A. Chimner. 2016. Artificial microtopography and herbivory protection facilitates wetland tree (*Thuja occidentalis* L.) survival and growth in created wetlands. *New Forests* 47:73-86.
40. Henschell*, M.A., **C.R. Webster**, D.J. Flaspohler, C.R. Fortin*. 2015. Influence of plant community composition on biomass production in planted grasslands. *PLoS ONE* 10(5): e0125758.
41. Jenkins*, L.H., B.D. Murray, M.A. Jenkins, **C.R. Webster**. 2015. Woody regeneration response to over a decade of deer population reductions in Indiana state parks. *Journal of Torrey Botanical Society* 142: 205-219.
42. **Webster, C.R.**, M.A. Jenkins, A.J. Poznanovic*. 2015. Spatial patterning and floral synchrony among trillium populations with contrasting histories of herbivory. *PeerJ* 3:e782; DOI 10.7717/peerj.782
43. Poznanovic*, S.K., E.A. Lilleskov, **C.R. Webster**. 2015. Sharing rotting wood in the shade: ectomycorrhizal communities of co-occurring birch and hemlock seedlings. *Mycorrhiza* 25: 153-164.
44. Tahtinen*, B., B.D. Murray*, **C.R. Webster**, C. Tarasoff, A.J. Burton. 2014. Does ungulate foraging in forest canopy gaps produce a spatial subsidy with cascading effects on vegetation? *Forest Science* 60:819-829.
45. Poznanovic*, S.K., A.J. Poznanovic*, **C.R. Webster**, J.K. Bump. 2014. Spatial patterning of underrepresented tree species in canopy gaps 9 years after group selection cutting. *Forest Ecology and Management* 331:1-11.

46. Jenkins*, L.H., M.A. Jenkins, **C.R. Webster**, P.A. Zollner, J.M. Shields*. 2014. Herbaceous layer response to 17 years of controlled deer hunting in forested natural areas. *Biological Conservation* 175:119-128.
47. Murray*, B.D., **C.R. Webster**, J.K. Bump. 2014. A migratory ungulate facilitates cross-boundary nitrogen transport in forested landscapes. *Ecosystems* 17:1002-1013.
48. Roth*, A., D.J. Flaspohler, **C.R. Webster**. 2014. Legacy tree retention in young aspen forest improves nesting habitat quality for Golden-Winged Warbler (*Vermivora chrysoptera*). *Forest Ecology and Management* 321: 61–70.
49. Marlor*, K.M., **C.R. Webster**, R.A. Chimner. 2014. Disturbance and wetland type alter reed canarygrass cover in northern Michigan. *Invasive Plant Science and Management* 7:121-131.
50. Holmes*, S.A., **C.R. Webster**. 2014. White pine restoration in a mesic forest: 3-year results. *Northeastern Naturalist* 21:23-30.
51. **Webster, C.R.**, M.A. Jenkins. 2014. Evidence of long and discontinuous juvenile periods in *Trillium catesbaei* under contrasting levels of herbivory. *Botany* 92: 77-81. DOI: [dx.doi.org/10.1139/cjb-2013-0162](https://doi.org/10.1139/cjb-2013-0162)
52. Klingsporn Poznanovic*, S., **C.R. Webster**, J.K. Bump. 2013. Maintaining mid-tolerant tree species with uneven-aged forest management: 9-yr results from a novel group-selection experiment. *Forestry* 86: 555-567.
53. Murray*, B.D., **C.R. Webster**, J.K. Bump. 2013. Broadening the ecological context of ungulate-ecosystem interactions: the importance of space, seasonality, and nitrogen. *Ecology* 94:1317-1326.
54. Haskell*, D.E., **C.R. Webster**, D.J. Flaspohler, M.W. Meyer. 2013. Relationship between carnivore distribution and landscape features in the Northern Highlands ecological landscape of Wisconsin. *American Midland Naturalist* 169(1):1-16.
55. Stehn*, S.E., M.A. Jenkins, **C.R. Webster**, S. Joes. 2013. Regeneration responses to exogenous disturbance gradients in southern Appalachian *Picea-Abies* forests. *Forest Ecology and Management* 289: 98-105.
56. Khalyani*, A.H., A.L. Mayer, **C.R. Webster**, and M.J. Falkowski. 2013. Ecological indicators for protection impact assessment at two scales in the Bozin and Marakhil protected area, Iran. *Ecological Indicators* 25:99-107.
57. Hess*, A.N., M.J. Falkowski, **C.R. Webster**, A.J. Storer, A. Pocewicz, S. Martinuzzi. 2013. Employing LiDAR and optical data to identify butterfly habitat characteristics for four contrasting butterfly species across a diverse landscape. *Remote Sensing Letters* 4:354-363.
58. Bardhan, S., S. Jose, M.A. Jenkins, **C.R. Webster**, R. Udawatta, S.E. Stehn*. 2012. Microbial community diversity and composition across a gradient of soil acidity in spruce-fir forests of the southern Appalachian Mountains. *Applied Soil Ecology* 61:60-68.
59. Klingsporn*, S., **C.R. Webster**, J.K. Bump. 2012. Influence of legacy-tree retention on group-selection opening persistence. *Forest Ecology and Management* 286:121-128.
60. Murray*, B.D., S.A. Holmes, **C.R. Webster**, J.C. Witt. 2012. Post-disturbance plant community dynamics following a rare natural-origin fire in a *Tsuga canadensis* forest. *PLoS ONE* 7(8): 1-10.
61. Witt*, J.C., **C.R. Webster**, R.E. Froese, T.D. Drummer, J.A. Vucetich. 2012. Scale-dependent drivers of ungulate patch use along a temporal and spatial gradient of snow depth. *Canadian Journal of Zoology* 90: 972-983.

62. Campione*, M., L.M. Nagel, **C.R. Webster**. 2012. Herbaceous-layer community dynamics along a harvest-intensity gradient after 50 years of consistent management. *Open Journal of Forestry* 2: 97-109.
63. Hurley*, P.M., **C.R. Webster**, D.J. Flaspohler, and G.R. Parker. 2012. Untangling the landscape of deer overabundance: reserve size vs. landscape context in the agricultural Midwest. *Biological Conservation* 146:62-71.
64. Haskell*, D.E., D.J. Flaspohler, **C.R. Webster**, M.W. Meyer. 2012. Variation in soil temperature, moisture, and plant growth with the addition of down woody material on lakeshore restoration sites. *Restoration Ecology* 20:113-121.
65. Stehn*, S.E., **C.R. Webster**, M.A. Jenkins, S. Jose. 2011. High-elevation ground-layer plant community composition across soil chemistry and vegetation gradients in spruce-fir forests. *Ecological Research* 26:1089-1101.
66. Flaspohler, D.J, and **C.R. Webster**. 2011. Plantations for bioenergy: Principles for maintaining biodiversity in intensively managed forests. *Forest Science* 57:516-524.
67. Jensen*, N.R., **C.R. Webster**, J.C. Witt*, J.B. Grant. 2011. Ungulate winter habitat selection as a driver of heterogeneity in ground-layer plant communities. *Ecosphere* 2(6):1-16.
68. Janowiak, M.K, C.W. Swanston, L.M. Nagel, **C.R. Webster**, B.J. Palik, M.J. Twery, J.B. Bradford, L.R. Parker, A.T. Hille, and S.M. Johnson. 2011. Silvicultural decision making in an uncertain climate future: a workshop-based exploration of considerations, strategies, and approaches. General Technical Report NRS-81. Newton Square, PA: U.S. Department of Agriculture, Forest Service, Northern Research Station. 14 p.
69. Holmes*, S.A., and **C.R. Webster**. 2011. Herbivore-induced expansion of generalist species as a driver of homogenization in post-disturbance plant communities. *Plant Ecology* 212:753-768.
70. Powers*, M.D., K.S. Pregitzer, B.J. Palik, and **C.R. Webster**. 2011. The physiological basis for regeneration response to variable retention harvest treatments in three pine species. *Forestry* 84:13-22.
71. Stehn*, S.E., **C.R. Webster**, J.M. Glime, and M.A. Jenkins. 2010. Elevational gradients of bryophyte diversity, life forms, and community assemblage in the southern Appalachians. *Canadian Journal of Forest Research* 40:2164-2174.
72. Stehn*, S.E., **C.R. Webster**, J.M. Glime, and M.A. Jenkins. 2010. Ground-layer bryophyte communities of post-adelgid *Picea-Abies* forests. *Southeastern Naturalist* 9:435-452.
73. Powers*, M.D, B.J. Palik, J.B. Bradford, S. Fraver, **C.R. Webster**. 2010. Thinning method and intensity influence long-term mortality trends in a red pine forest: implications for climate change mitigation. *Forest Ecology and Management* 260:1138-1148.
74. Witt*, J.C., and **C.R. Webster**. 2010. Regeneration dynamics in remnant *Tsuga canadensis* stands in the northern Lake States: potential direct and indirect effects of herbivory. *Forest Ecology and Management* 260:519-525.
75. Holmes*, S.A., and **C.R. Webster**. 2010. *Acer saccharum* response to concurrent disturbances: the importance of stem layering as an adaptive trait. *Canadian Journal of Forest Research* 40:1627-1635.
76. Powers*, M.D., K.S. Pregitzer, B.J. Palik, and **C.R. Webster**. 2010. Wood $\delta^{13}\text{C}$ and radial growth responses of residual red pine to variable retention harvesting. *Tree Physiology* 30:326-334.

77. **Webster, C.R.**, D.J. Flaspohler, R.D. Jackson, T. Meehan, C. Gratton. 2010. Diversity, productivity and landscape-level effects of grasslands managed for biomass production. *Biofuels* 1(3):251-461.(invited)
78. Janowiak*, M.K., L.M. Nagel, and **C.R. Webster**. 2010. Minimum tree size and interpretation of stand structure in uneven-aged northern hardwoods. *Northern Journal of Applied Forestry* 27 (1): 34-37.
79. Janowiak, M.K., and **C.R. Webster**. 2010. Promoting ecological sustainability in woody biomass harvesting. *Journal of Forestry* 108(1):16-23. (featured on cover)
80. Jenkins, M.A., and **C.R. Webster**. 2009. Spatial patterning and population structure of a common woodland herb, *Trillium erectum*, in primary and post-logging secondary forests. *Forest Ecology and Management* 258:2569-2577.
81. Bump, J.K, **C.R. Webster**, R.O. Peterson, J.A. Vucetich, J.M. Shields, and M.D. Powers. 2009. Ungulate carcasses perforate ecological filters in forest herbaceous layers allowing trees a competitive advantage. *Ecosystems* 12: 996-1007.
82. Powers*, M.D., K.S. Pregitzer, B.J. Palik, and **C.R. Webster**. 2009. Water relations of pine seedlings in contrasting overstory environments. *Forest Ecology and Management* 258:1442-1448.
83. Holmes*, S.A, **C.R. Webster**, D.J. Flaspohler, and R.E. Froese. 2009. Death and *Taxus*: the high cost of palatability for a declining evergreen shrub, *Taxus canadensis*. *Canadian Journal of Forest Research* 39: 1366-1374.
84. Thiemann*, J.A., **C.R. Webster**, M.A. Jenkins, P.M. Hurley*, J.H. Rock, and P.S. White. 2009. Herbaceous-layer impoverishment in a post agricultural southern Appalachian landscape. *American Midland Naturalist* 162:148-168.
85. Powers*, M.D., **C.R. Webster**, K.S. Pregitzer, and B.J. Palik. 2009. Spatial dynamics of radial growth and growth efficiency in residual *Pinus resinosa* following aggregated retention harvesting. *Canadian Journal of Forest Research* 39:109-117.
86. Janowiak*, M.K., L.M. Nagel, and **C.R. Webster**. 2008. Spatial scale and stand structure: implications for quantifying diameter distributions in northern hardwood forests. *Forest Science* 54:497-506.
87. **Webster, C.R.** and M.A. Jenkins. 2008. Age structure and spatial patterning of *Trillium* populations in old-growth forests. *Plant Ecology* 199:43-54.
88. **Webster, C.R.**, J.H. Rock, R.E. Froese, and M.A. Jenkins. 2008. Drought-herbivory interaction disrupts competitive displacement of native plants by *Microstegium vimineum*, 10 year results. *Oecologia* 157: 497-508.
89. Shields*, J.M., **C.R. Webster**, and A.J. Storer. 2008. Short-term community-level response of arthropods to group selection with seed-tree retention in a northern hardwood forest. *Forest Ecology and Management* 255: 129-139.
90. **Webster, C.R.**, C.J. Huckins, and J.M Shields*. 2008. Spatial distribution of riparian zone coarse woody debris in a managed northern temperate watershed. *American Midland Naturalist* 159: 225-237.
91. Shields*, J.M., **C.R. Webster**, and J. Glime. 2007. Bryophyte community response to silvicultural opening size in a managed northern hardwood forest. *Forest Ecology and Management* 252: 222-229.
92. Shields*, J.M. and **C.R. Webster**. 2007. Ground-layer response to group selection with legacy tree retention in a managed northern hardwood forest. *Canadian Journal of Forest Research* 37: 1797-1807.
93. Jenkins, M.A., **C.R. Webster**, and J.H. Rock. 2007. Effects of chronic herbivory and historic land use on population structure of a forest perennial, *Trillium catesbaei*. *Applied Vegetation Science* 19: 441-450.

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95. Shields*, J.M., **C.R. Webster**, and L.M. Nagel. 2007. Factors influencing tree species diversity and *Betula alleghaniensis* establishment in silvicultural openings. *Forestry* 80 (3): 293-307.
96. **Webster, C.R.**, and N.R. Jensen[‡]. 2007. A shift in the gap dynamics of *Betula alleghaniensis* in response to single-tree selection. *Canadian Journal of Forest Research* 37: 682-689.
97. Wangen*, S.R., and **C.R. Webster**. 2006. Potential for multiple lag phases during biotic invasions: reconstructing an invasion of the exotic tree *Acer platanoides*. *Journal of Applied Ecology* 43: 258-268.
98. **Webster, C.R.**, M.A. Jenkins, and S. Jose. 2006. Woody invaders and the challenges they pose to forest ecosystems in the eastern United States. *Journal of Forestry* 104 (7): 366-374.
99. Wangen*, S.R., **C.R. Webster**, and J.A. Griggs. 2006. Spatial characteristics of the invasion of *Acer platanoides* on a temperate forested island. *Biological Invasions* 8:1001-1012.
100. Griggs*, J.A., J.H. Rock, **C.R. Webster**, and M.A. Jenkins. 2006. Vegetative legacy of a protected deer herd in Cades Cove, Great Smoky Mountains National Park. *Natural Areas Journal* 26: 126-136.
101. **Webster, C.R.**, K. Nelson[‡], and S. Wangen*. 2005. Stand dynamics of an insular population of an invasive tree, *Acer platanoides*. *Forest Ecology and Management* 208: 85-99.
102. **Webster, C.R.**, and C.G. Lorimer. 2005. Minimum opening sizes for canopy recruitment of midtolerant tree species: a retrospective approach. *Ecological Applications* 15: 1245-1262.
103. Schwartz*, J.W., L.M. Nagel, and **C.R. Webster**. 2005. Effects of uneven-aged management on diameter distribution and species composition of northern hardwoods in Upper Michigan. *Forest Ecology and Management* 211: 356-370.
104. **Webster, C.R.**, and M.A. Jenkins. 2005. Coarse woody debris dynamics in the southern Appalachians as affected by topographic position and anthropogenic disturbance history. *Forest Ecology and Management* 217: 319-330.
105. **Webster, C.R.**, M.A. Jenkins, and J.H. Rock. 2005. Long-term response of spring flora to chronic herbivory and deer exclusion in Great Smoky Mountains National Park, USA. *Biological Conservation* 125: 297-307.
106. **Webster, C.R.**, M.A. Jenkins, and J.H. Rock. 2005. Twenty years of forest change in the woodlots of Cades Cove, Great Smoky Mountains National Park. *Journal of the Torrey Botanical Society* 132: 280-292.
107. Jenkins, M.A., **C.R. Webster**, G.R. Parker, and M.A. Spetich. 2004. Coarse woody debris in managed central hardwood forests of Indiana, USA. *Forest Science* 50: 781-792.
108. **Webster, C.R.** and C.G. Lorimer. 2003. Comparative growing space efficiency of four tree species in mixed conifer-hardwood forests. *Forest Ecology and Management* 177: 361-377.
109. **Webster, C.R.** and C.G. Lorimer. 2002. Single-tree versus group selection in hemlock-hardwood forests: are smaller openings less productive? *Canadian Journal of Forest Research* 32: 591-604.

110. **Webster, C.R.**, M.A. Jenkins, and G.R. Parker. 2001. A field test of herbaceous plant indicators of deer browsing intensity in mesic hardwood forests of Indiana, USA. *Natural Areas Journal* 21: 149-158.
111. **Webster, C.R.** and G.R. Parker. 2000. Evaluation of *Osmorhiza claytoni* (Michx.) C.B. Clarke, *Arisaema triphyllum* (L.) Schott, and *Actaea pachypoda* Ell. as potential indicators of white-tailed deer overabundance. *Natural Areas Journal* 20: 176-188.
112. **Webster, C. R.** and G. R. Parker. 1997. The effects of white-tailed deer on plant communities within Indiana state parks. *Proceedings of the Indiana Academy of Science* 106: 213-231.

Peer-reviewed book chapters:

113. **Webster, C.R.**, D.J. Flaspohler, S. Pawson, E. Brockerhoff. 2012. Ecologically sustainable bioenergy cropping systems: Species selection and habitat considerations. Pages 99-117. *In: Handbook of Bioenergy Crop Plants*; S. Joshi, D. Shonnard and C. Kole eds., Taylor and Francis Group, Boca Raton. (*invited*)
114. **Webster, C.R.**, and S.R. Wangen* 2009. Spatial and temporal dynamics of exotic tree invasions: lessons from a shade-tolerant invader, *Acer platanoides*. Pages 71-85, *In: Invasive Plants and Forest Ecosystems*; Jose, S. and R.K. Kohli eds., CRC Press, Boca Raton. (*invited*)
115. Flaspohler, D.J., **C.R. Webster**, and R.E. Froese. 2009. Bioenergy, biomass and biodiversity. Pages 133-162. *In: Renewable Energy from Forest Resources in the United States*; Solomon, B.D. and V.A. Luzadis, eds., Routledge, New York.
116. **Webster, C.R.**, M.A. Jenkins, S. Jose, L.M. Nagel. 2009. Exotic herb layers as ecological filters in forest understories. Pages 29-49. *In: Forest Canopies: Forest Production, Ecosystem Health and Climate Conditions*. Nova Science Publishers, Inc. (*invited*)

PRESENTATIONS

Invited

- Burton, Julia I., Claudia Bartlick, Yvette L. Dickinson, John E. Drake, Garrett R. Evans, Robert Froese, René H. Germain, Stefan F. Hupperts, Maria Janowiak, Mickey Jarvi, Christel C. Kern, Carsten Külheim, Keenan Rivers, **Christopher R. Webster**, Kerry Woods, Andrew L. Vander Yacht. 2023. Hedging bets against change: silvicultural alternatives for managing the adaptive capacity of northern hardwood forests. Fredericton, New Brunswick, CAN. August 2, 2023.
- Webster, C.R.**, Dickinson, Y.L., & Froese, R.E. (2021) Introducing the NH-SEED: a holistic experiment to revisit classical and test novel silvicultural systems in a changing world. Northern Hardwoods Conference 2021: Bridging Science and Management for the Future, June 15-16, Virtual.
- Bartlick, C.I., Froese, R.E., **Webster, C.R.** & Dickinson, Y.L. (2021) Northern Hardwoods Silviculture Experiment to Enhance Diversity (NHSEED): Early vegetation

- responses to canopy and soil disturbances. Northern Hardwoods Conference 2021: Bridging Science and Management for the Future, June 15-16, Virtual.
4. Hupperts, S.F., Y.L. Dickinson, **C.R. Webster**, R.E. Froese. 2019. Resilience of functional diversity in a northern hardwood community: Does severity of canopy or forest floor disturbances matter more? Ecological Society of America Annual Meeting, Louisville, KY, 15 August, 2019.
 5. **Webster, C.R.** 2019. Winter use of hemlock forests by white-tailed deer: effects on forest dynamics, nutrient cycling, and deer. Graduate Seminar Series, Purdue University, West Lafayette, IN, 2 April, 2019.
 6. **Webster, C.R.** 2018. Intelligent tinkering and fallacy of preferred species. *Keynote address*, Innovation in Silviculture: The Art and The Science. Wisconsin Society of American Foresters State Meeting, Rothschild, Wisconsin, 12 September 2018.
 7. **Webster, C.R.**, Y.L. Dickinson, C.C. Kern. 2017. Silviculture through the lens of forest complexity. Special Session: Quantifying forest complexity and integrating data into management. North American Forest Ecology Workshop, Edmonton, Canada, 20 June 2017.
 8. Jenkins, M.A., L.H. Keitzer, **C.R. Webster**. 2017. Understory response to 17 years of controlled deer hunting in Indiana state parks. Special Session: Seeing the forest through the understory: promoting and maintaining diversity in contemporary hardwood forests. North American Forest Ecology Workshop, Edmonton, Canada, 22 June 2017.
 9. **Webster, C.R.**, M.A. Jenkins, J.H. Rock. 2016. Plant invasions and deer overabundance in the woodlots of Cades Cove, Great Smoky Mountains National Park. Colloquium: Interactions of white-tailed deer and invasive plants in forests of eastern North America. Botany 2016, Savannah, Georgia, 1 August 2016.
 10. **Webster, C.R.** 2016. Hunting for a land ethic: the evolving role of hunting in conservation. Bridging Management and Research: Planning for Demographic and Social Change in Hunting and Recreational Fishing. 22nd International Symposium on Society and Resource Management, Houghton, Michigan, 23 June, 2016.
 11. **Webster, C.R.**, M.A. Jenkins. 2014. Are invasive plants an emergent property of deer overabundance? Symposium: Deer and Invasive Species. 41st Natural Areas Conference, Dayton, Ohio, 15 October, 2014.
 12. **Webster, C.R.** 2014. Maintaining eastern hemlock and yellow birch in managed forests: challenges and opportunities. Annual Meeting of Michigan Chapter of the Society of American Foresters, Escanaba, Michigan, 20 March, 2014.
 13. **Webster, C.R.** 2014. Hunting and land health: the evolving role of hunting in Aldo Leopold's land ethic. Faculty Forum, School of Forest Resources and Environmental Science, Michigan Technological University, Houghton, MI, 01 January 24, 2014.
 14. **Webster, C.R.** 2013. The perils and promise of gap-based silviculture for maintaining diversity in northern hemlock-hardwood forests. Forest Guild Lake States Meeting: The Ecologic and Economic Balance of Later Successional Forests, Eagle River, Wisconsin, 4 October, 2013.
 15. **Webster, C.R.** 2013. Northern hardwood regeneration: what's going wrong? Annual Meeting of Wisconsin Chapter of the Society of American Foresters, Minocqua, Wisconsin, 18 September, 2013.
 16. **Webster, C.R.**, S. Klingsporn Poznanovic, J.K. Bump. 2013. Influence of legacy-tree retention on regeneration dynamics and harvest opening persistence in northern hardwoods. 98th Annual Meeting of the Ecological Society of America, Minneapolis, Minnesota, 7 August, 2013.

17. **Webster, C.R.**, M.D. Murray, J.K. Bump, B. Tahtinen, C. Tarasoff, A.J. Burton. 2013. The importance of yellow snow: winter aggregations of a semi-migratory ungulate create a pulsed-resource subsidy with cascading effects on vegetation. 9th North American Forest Ecology Workshop, Bloomington, Indiana, 16 June, 2013.
18. Murray, B.D., **C.R. Webster**, J.A. Vucetich, J.K. Bump, E.A. Lilleskov. 2013. Moose foraging and glacial history interact to influence landscape-level patterns in forest structure and composition. 9th North American Forest Ecology Workshop, Bloomington, Indiana 16 June, 2013.
19. Jenkins, M.A., **C.R. Webster**, J.H. Rock. 2013. Vegetation response to white-tailed deer herbivory at multiple temporal and spatial scales in Great Smoky Mountains National Park. 9th North American Forest Ecology Workshop, Bloomington, Indiana 16 June, 2013.
20. Jenkins, L.H., M.A. Jenkins, **C.R. Webster**, P. Zollner, J. Shields. 2013. Vegetation community recovery following more than a decade of deer reductions in Indiana state parks. 9th North American Forest Ecology Workshop, Bloomington, Indiana 16 June, 2013.
21. **Webster, C.R.** 2012. Broadening the ecological context of ungulate-habitat interactions: unraveling the consequences of deer use of relict hemlock stands. Biology Seminar Series, Michigan Technological University, Houghton, MI, 7 December, 2012.
22. **Webster, C.R.** 2012. Ecological sustainability of woody biomass harvesting. Woody biomass in Indiana: impact of woody biomass harvesting on wildlife management. Indiana Chapter of the Wildlife Society, Clifty Falls State Park, Madison, IN, 26 September, 2012.
23. **Webster, C.R.**, Flaspohler, D., and A. Roth. 2012. Legacy tree retention balances commodity and conservation objectives in intensively-managed North American aspen forests. 2nd International Conference on Biodiversity in Forest Ecosystems and Landscapes, IUFRO. University College Cork, Ireland, 29 August, 2012.
24. **Webster, C.R.** 2012. Phyto-indicators of deer impact: application and limitations. Indiana Deer Impact Assessment Forum. Purdue University, Wright Conference Center, West Lafayette, IN, March 22, 2012.
25. **Webster, C.R.** 2011. Novel wildlife-habitat interactions: predictable and paradoxical consequences of deer yarding in relict hemlock stands. Xi Sigma Pi Spring Symposium, Wildlife Management at the Ecosystem Level, Michigan Technological University, Houghton, MI, April 8, 2011.
26. **Webster, C.R.** 2011. Success and failure of biological invasions: the contrasting roles of disturbance and chance. Hanover Seminar Series (March 1, 2011), Michigan State University, East Lansing, MI.
27. **Webster, C.R.**, S.A. Holmes, J.C. Witt. 2010. Eastern hemlock restoration in the northern Great Lakes States: Can we get there from here? Society of American Foresters National Convention, Albuquerque, NM, October 30, 2010.
28. Flaspohler, D., **C.R. Webster**, and A. Roth. 2010. Intensive management of native forests for bioenergy: Quantifying trade-offs between forest productivity and biodiversity. Invited talk in symposium: Biodiversity and climate change: Direct and indirect linkages in adaptation and mitigation. XXIII World Congress International Union of Forest Research Organizations (IUFRO), Seoul, South Korea, August, 2010.
29. **Webster, C.R.**, S.A. Holmes. 2010. Interactions between disturbance and ungulate herbivory in a northern hardwood forest. The Ecological Society of America, 95th Annual Meeting, Pittsburg, PA, August 2, 2010.

30. Jenkins, M.A., **C.R. Webster**, E.J. Holzmueller. 2010. The rise and fall of eastern hemlock: perspectives from the Northwoods and Appalachia. The Ecological Society of America, 95 th Annual Meeting, Pittsburg, PA, August 2, 2010.
31. Powers, M.D., B.J. Palik, J.B. Bradford, S. Fraver, **C.R. Webster**. 2010. Tree mortality in managed red pine over a multi-decadal warming period. The Ecological Society of America, 95 th Annual Meeting, Pittsburg, PA, August 2, 2010.
32. Roth, A., D.J. Flaspohler, **C.R. Webster**, C. Fortin, and M. Henschell. 2010. Balancing Biodiversity and Biomass for Bioenergy in Wisconsin. Wisconsin Chapter of the Wildlife Society Annual Meeting, Wausau, WI. March 4, 2010. (*plenary presentation*)
33. **Webster, C.R.**, A. Roth, D.J. Flaspohler. 2009. Legacy tree retention in intensively managed aspen forest. Society of American Foresters National Convention, Orlando, FL, October 1, 2009.
34. Flaspohler, D.J., **C.R. Webster**, A. Roth. Bioenergy development in North America: Conserving biodiversity in intensively managed landscapes. July 2009, Beijing Forestry University.
35. **Webster, C.R.** 2009. The contrasting roles of disturbance and chance in the success and failure of biological invasions. Invited seminar (April 20, 2009), Wright State University, Beavercreek, OH.
36. Flaspohler, D.J, and **Webster, C.R.** Biofuel and biodiversity: Issues and Opportunities. LandCare Crown Research Institute, October 2008, Christchurch, New Zealand.
37. Flaspohler, D.J., **C.R. Webster**, and A. Roth. 2007. Trade-offs between biodiversity and biofuel feedstock production. Invited talk at: Biofuel Production and Wildlife Protection, Univ. of Minnesota, St. Paul campus. July 17, 2007.
38. **Webster, C.R.**, A downward spiral: deer abundance and vegetation dynamics in anthropogenic landscapes, Xi Sigma Pi Symposium, Michigan Technological University, Houghton , MI. April 13, 2007.
39. **Webster, C.R.**, J.H. Rock, M.A. Jenkins. 2007. Plant community response to chronic herbivory in Cades Cove Resource Management and Science Spring Seminar Series, Great Smoky Mountains National Park, Gatlinburg, TN. April 16, 2007.
40. Wangen, S.R., J. Griggs, **C.R. Webster**. Modeling spatial characteristics of the invasion of an exotic tree species—*Acer platanoides*. 3rd Annual Forest and Wildlife Research Review, University of Minnesota--Duluth, January 15, 2004. (poster)
41. **Webster, C.R.** Group selection as a management tool on the Menominee Indiana Reservation. Menominee Tribal Enterprises, Forestry Center, Keshena, WI, April 10, 2003. **Webster, C.R.** Group selection as an alternative to even-aged management: effects on productivity and species composition. USDA Forest Service, North Central Research Station, Grand Rapids, MN, February 20, 2003.

Contributed

1. Bartlick, C.I., Burton, J.I., **Webster, C.R.**, Froese, R.E., and Dickinson, Y.L., “An Experimental Approach to Identifying Drivers of the Ground-Layer Species Assemblage in a Managed Northern Hardwood Forest”, Ecological Society of America Annual Meeting, Portland, OR, Aug 6-11 2023.
2. Panella, MT., A. Myers, K. Hofmeister, **C.R. Webster**, & T. Bal. 2023. Monitoring planting trials and nucleated seed orchards for restoration of beech bark disease impacted forests. Sacramento, CA. Society of American Foresters Conference, October 2023.

3. Ottino, M., Brzeski, K. E., Kuelheim, C., **Webster, C. R.** 2022. Fecal metabarcoding for winter diet analysis in white-tailed deer. The Wildlife Society Annual Conference, Spokane, WA, November 6-10, 2022.
4. Stone, A., Bal, T. L., Dolinski, L., **Webster, C. R.**, Resh, S. 2022. Testing Spray-Based Deployment of a Native Fungus on Invasive Buckthorn Sprouts. Upper Midwest Invasive Species Conference. Green Bay, WI, October 25-27, 2022. (Poster)
5. Bartlick, C. I., Burton, J. I., **Webster, C. R.**, Froese, R. E., Dickinson, Y. L. 2022. Influence of Regeneration Method, Site Preparation, Browse Control, and Seed Addition on the Composition of Tree Regeneration in a Northern Hardwood Forest. Society of American Foresters National Convention, Baltimore, MD, September 20-24, 2022.
6. Barlick, C.I., Burton, J. I., **Webster, C. R.**, Froese, R. E., Hupperts, S., Dickinson, Y. L. 2022. Over the Hump: Effect of Artificial Tip-Up Mounds on Tree Seedling Composition in a Managed Northern Hardwood Forest. North American Forest Ecology Workshop, Virtual, June 20-24, 2022.
7. Brady, M., Anderson, M., Burton, J., **Webster C.R.**, and Bal, T. 2022. Long-term Assessment of Sugar Maple Dieback in the Upper Great Lakes. Society of American Foresters National Convention. Baltimore, MD, September 20 – 24, 2022.
8. Brady, M., Anderson, M., Burton, J., **Webster C.R.**, Bal, T. 2022. Recent Sugar Maple Dieback Trends in the Upper Great Lakes Region. North Central Forest Pest Workshop. Grand Rapids, MN, September 12 – 15, 2022.
9. Bartlick, C. I., Froese, R. E., **Webster, C.R.**, & Dickinson, Y. L. 2021. Can natural disturbance-based harvest increase tree species diversity in a northern hardwood forest? Ecological Society of America Annual Meeting, August 2-6, 2021. Virtual.
10. Merrill, Z., B.D. Murray, **C.R. Webster**, J.A. Vucetich. 2020. A dendroecological analysis of moose-induced forest disturbance: Isle Royale National Park, MI, USA. 105th Annual Meeting of the Ecological Society of America, Virtual Meeting, 3-6 August, 2020.
11. Knapp, S.P., **C.R. Webster**, C.C. Kern. 2019. Can group-selection with legacy-tree retention change compositional trajectories in traditionally managed northern hardwoods? North American Forest Ecology Workshop, Flagstaff, AZ, June 25, 2019.
12. Dickinson, Y.L., C.B. Edson, R.E. Froese, M.C. Kelly, J.M. Schmierer, 2019. **C.R. Webster**, J.D. Wolfe. 2019. Introducing the NH-SEED: A holistic experiment to revisit classical and test novel silvicultural systems in a changing world. North American Forest Ecology Workshop, Flagstaff, AZ, June 25, 2019. (poster)
13. Parikh, G.L., **Webster, C.R.**, Vucetich, J.A., Maclean, A.L. 2019. Spatiotemporal trends in white-tailed deer diet: does winter severity affect diet composition? Michigan Chapter of The Wildlife Society Annual Meeting- Gaylord, MI, March 2019.
14. Parikh, G.L., **C.R. Webster**, J.A. Vucetich, J.J. Durocher, J.K. Bump. 2018. Stress profiled for white-tailed deer wintering in the western Upper Peninsula of Michigan. Annual Meeting of the Wildlife Society, Cleveland, OH, October 8, 2018.
15. Parikh, G.L., **C.R. Webster**, J.A. Vucetich, J.J. Durocher, J.K. Bump. 2018. Stress Hormones in Weathered Fecal Samples: Can snowpack prolong sample viability? Michigan Chapter of the Wildlife Society, Gaylord, MI, March 15, 2018.
16. Parikh, G.L., **C.R. Webster**, J.A. Vucetich, J.J. Durocher, J.K. Bump. 2018. Stress Profiled for White-tailed Deer Wintering in the Western Upper Peninsula of Michigan. Ecosystem Science Center Student Research Forum, Michigan Technological University, April 6, 2018.

17. Hupperts, S.F., Y.L Dickinson, **C.R. Webster**, R.E. Froese. 2018. Silvicultural Systems to Maintain and Restore Diversity in Great Lakes Northern Hardwoods. Society of American Foresters National Convention, Portland, OR, October 2018. (poster)
18. Hupperts, S.F., Y.L Dickinson, **C.R. Webster**, R.E. Froese. 2018. Environmental conditions mediate plant community composition following timber harvest. Ecological Society of America, AGM 2018, New Orleans, LA, August 2018. (poster)
19. Hupperts, S.F., Y.L Dickinson, **C.R. Webster**, R.E. Froese. 2018. Environmental conditions influence plant community composition following timber harvest. Ecosystem Science Center Student Research Forum, Michigan Technological University, April 2018. (poster)
20. Hupperts, S.F., Y.L Dickinson, **C.R. Webster**, R.E. Froese. 2018. Environmental conditions mediate a rapid shift in plant communities following timber harvest. Graduate Research Colloquium, Michigan Technological University. March 2018
21. Hupperts, S.F., Y.L Dickinson, **C.R. Webster**, R.E. Froese. 2017. Investigating silvicultural systems for promoting tree diversity in managed Lake States northern hardwoods (Ignite talk). North American Forest Ecology Workshop, Edmonton, Canada, 19 June, 2017.
22. Phifer, C, S. Veron, C. Schelly, **C.R. Webster**, D. Flaspohler. Impacts of Afforested Eucalyptus Plantations on Ecosystem Services in Entre Ríos, Argentina. 2016. Poster presented at A Community on Ecosystem Services (ACES) Annual Conference, Jacksonville, FL. (poster)
23. Phifer, CC, Roth, A., Knowlton, JL, **Webster, CR**, Flaspohler, DJ. 2015. Bird community responses to potential bioenergy feedstocks in Argentina and the United States. International Congress of Conservation Biology Annual Meeting, Montellier, France. (poster)
24. Knowlton, J.L., C.C. Phifer, D.J. Flaspohler, **C.R. Webster**. 2015. El Proyecto PIRE: Sustentabilidad, Servicios Ecosistémicos y el Desarrollo de Bioenergía en América. ECOSUR. Villahermosa, Mexico. March 12th.
25. Knowlton, J.L, C.C. Phifer, D.J. Flaspohler, **C.R. Webster**. 2015. Impacts of bioenergy development on biodiversity and ecosystem services in Entre Rios, Argentina. InterAmerican Institute meeting, Merida, Mexico. Feb. 23rd.
26. Haskell, D.E., M.W. Meyer, **C.R. Webster**, and D. J. Flaspohler. Testing Multiple Methods for Wildlife Habitat Restoration on Lakeshores: Crystal Lakeshore Restoration Project. February 17-19, 2015. Joint Meeting Wisconsin & Minnesota Chapters of The Wildlife Society Conference, Duluth, MN.
27. Roth, A, C Phifer, D.J. Flaspohler, and **C.R Webster**. 2014. Bird and insect pollinators respond similarly to aspen forest stand development in northern Wisconsin, USA. Contributed oral presentation for the 24th IUFRO World Congress, Salt Lake City, Utah, 6 October, 2014.
28. Murray, B.D., **C.R. Webster**, M.A. Jenkins, M.R. Saunders, S. Haulton. 2014. Concurrent effects of forest management and white-tailed deer herbivory drive spatial patterning in herbaceous-layer plant communities. 99th Annual Meeting of the Ecological Society of America, Sacramento, California, 11 August, 2014.
29. **Webster, C.R.** 2013. Hunting and land health: the evolving role of hunting in Aldo Leopold's land ethic. Brown bag Seminar Series, Aldo Leopold Foundation, Baraboo, WI, December 13, 2013.
30. Murray, B.D., **C.R. Webster**, B.E. Tahtinen, C.S. Tarasoff, J.K. Bump, AJ Burton. 2013. Conditional migration and foraging patch selection by a generalist herbivore results in a

- spatial resource subsidy in relict eastern hemlock forests. 98th Annual Meeting of the Ecological Society of America, Minneapolis, Minnesota, 7 August, 2013.
31. Murray, B.D., **C.R. Webster**, and J.K. Bump. Migratory white-tailed deer facilitate cross-boundary nitrogen transport in a forested landscape. The Wildlife Society 19th Annual Conference, Portland, OR, October 17, 2012
 32. Murray, B.D., **C.R. Webster**, and J.K. Bump. Ungulate urea-nitrogen deposition and spatial patterning of herbaceous-layer vegetation in a forest ecosystem. The Ecological Society of America, 97th Annual Meeting, Portland, OR, August 9, 2012.
 33. Roth, A., D.J. Flaspohler, and **C.R. Webster**. 2011. When is a forest edge-associated bird species considered edge-sensitive? 18th Annual Conference of The Wildlife Society. Waikoloa, HI. November 8, 2011.
 34. Haskell, D.E., M.W. Meyer, **C.R. Webster**, and D. J. Flaspohler. 2011. The Relationship between Carnivore Distribution and Landscape Features in the Northern Highlands Ecological Landscape of Wisconsin. 18th Annual Conference of The Wildlife Society. Waikoloa, HI. (poster)
 35. Haskell, D.E., D. J. Flaspohler, **C.R. Webster**, and M.W. Meyer. 2011. Residential Development Impact on Mammalian Diversity along Lakeshores in Northern Wisconsin. Joint Meeting Wisconsin Chapter of The Wildlife Society and Society of American Foresters. Wisconsin Dells, WI.
 36. Murray, B.D., **C.R. Webster** and J.A. Vucetich. Chronic moose browsing impacts the architecture of balsam fir saplings. The Ecological Society of America, 96th Annual Meeting, Austin, TX, August 9, 2011.
 37. Jenkins, L.H., M.A. Jenkins, **C.R. Webster**, P.A. Zollner, and J.M. Shields. 2011. Evaluating the recovery of vegetation communities in Indiana state parks after more than a decade of white-tailed deer population reduction. The Ecological Society of America, 96th Annual Meeting, Austin, TX, August 9, 2011.
 38. Jenkins, L.H., M.A. Jenkins, J.M. Shields, **C.R. Webster**. 2011. Evaluation of the recovery of vegetative communities in Indiana state parks after over a decade of white-tailed deer reduction. Indiana Academy of Science 126th Annual Meeting, Indianapolis, IN, March 5, 2011.
 39. Twery, M., M. Janowiak, C.W. Swanston, L. Brandt, B.J. Palik, J.B. Bradford, L.M. Nagel, **C.R. Webster**, A.T. Hille, S.M. Johnson, L.R. Parker. 2010. Preparing forest managers for an uncertain climate. The Ecological Society of America, 95th Annual Meeting, Pittsburg, PA, August 2, 2010. (poster)
 40. Haskell, D.E., D. J. Flaspohler, **C.R. Webster**, and M.W. Meyer. 2010. Quantifying the Ecological Benefits of Lakeshore Restoration in Wisconsin. Science in the Northwoods Conference. Boulder Junction, WI.
 41. Haskell, D.E., D. J. Flaspohler, **C.R. Webster**, and M.W. Meyer. 2010. The Wisconsin Lakeshore Restoration Project. Wisconsin Lakes Convention. Green Bay, WI. (poster)
 42. Haskell, D.E., D. J. Flaspohler, **C.R. Webster**, and M.W. Meyer. 2010. Quantifying the Ecological Benefits of Lakeshore Restoration in Northern Wisconsin. Wisconsin Lakes Convention. Green Bay, WI.
 43. Roth, A., D.J. Flaspohler, and **C.R. Webster**. 2009. Golden-winged Warbler ecology in aspen forests managed with legacy tree retention. Invited talk for special symposium at 127th Stated Meeting of the American Ornithologists' Union, Philadelphia, PA. August 14, 2009.
 44. Flaspohler, D.J. and **C.R. Webster**. 2009. What do we really know about how to maintain biodiversity in intensively managed forests? Carbon in Northern Forests: integration of research and management. NIACS. Traverse City, MI. June 10-11, 2009.

45. Palik, B.J., R. Montgomery, P.B. Reich, S.B. Boyden, L. Schulte Moore, R. Atwell, K. Lang, D. Kastendick, M. Powers, **C.R. Webster**. 2009. Variable retention harvesting in Great Lakes red pine forests: response to spatial pattern of retention. 7th North American Forest Ecology Workshop, June 22-26, 2009. Logan, UT.
46. M.A. Jenkins, **Webster, C.R.**, and J.H. Rock. 2009. Vegetation response to white-tailed deer herbivory at multiple temporal and spatial scales in a post agricultural landscape. Emerging issues in white-tailed deer management and conservation, Purdue University Cooperative Extension. Lafayette, IN, February 25-27, 2009. (poster)
47. Jensen, N.R., **C.R. Webster**, and J.B. Grant. Understory response of hemlock-hardwood forests to nitrogen deposition by white-tailed deer in the Upper Great Lakes region. The Wildlife Society Annual Meeting. Miami, FL, November 10, 2008. (poster)
48. Holmes, S.A., **C.R. Webster**, and D.J. Flaspohler. Death and *Taxus*: survival and growth of Canada yew (*Taxus canadensis*) cuttings four years after planting. The Ecological Society of America, 93rd Annual Meeting, Milwaukee, WI, August 7, 2008.
49. Witt, J.C. and **C.R. Webster**. Eastern hemlock islands in a sea of sugar maple: Landscape-scale factors influence white-tailed deer winter habitat selection. The Ecological Society of America, 93rd Annual Meeting, Milwaukee, WI, August 5, 2008.
50. **Webster, C.R.** and S.R. Wangen. Fast vs. slow invasions: temporal and spatial invasion dynamics of *Acer platanoides*. The Ecological Society of America, 93rd Annual Meeting, Milwaukee, WI, August 5, 2008.
51. Powers, M.D., K.S. Pregitzer, B.J. Palik, and **C.R. Webster**. Variable retention harvest treatments alter physiological performance in three pine species. The Ecological Society of America, 93rd Annual Meeting, Milwaukee, WI, August 4, 2008.
52. Flaspohler, D.J., **C.R. Webster**, and A. Roth. Quantifying trade-offs between plant productivity and biodiversity in lands allocated to growing biofuel. Society for Conservation Biology Annual Meeting, Chattanooga, TN, July 15, 2008.
53. Haskell, D.E., D. J. Flaspohler, **C.R. Webster**, and M.W. Meyer. 2007. Measuring the Value of Wildlife Habitat Restoration on Northern Wisconsin Lakes - The Wisconsin Lakeshore Restoration Project. 68th Midwest Fish and Wildlife Conference. Madison, WI. (poster)
54. **Webster, C.R.**, and L.M. Nagel. Can historic disturbances regimes maintain species diversity in contemporary forests? Society of American Foresters National Convention, Portland, OR, October 26, 2007.
55. Nagel, L.M., and **C.R. Webster**. Factors Affecting Diameter Distribution Shape in Uneven-aged Northern Hardwoods. Society of American Foresters National Convention, Portland, OR, October 25, 2007.
56. Flaspohler, D.J., **C.R. Webster**, and A. Roth. Trade-offs between biodiversity and biofuel feedstock production. Wood-to-Wheels Campus Seminar, Michigan Technological University, Houghton, MI, September 13, 2007.
57. Flaspohler, D.L., and **C.R. Webster**. 2007. Assessing the trade-offs between biodiversity and productivity in plant communities used for ethanol feedstocks Biofuels. Center for Humans and Nature Meeting (“Distilling Fact from Fiction”), Chicago Botanic Garden, May 10, 2007.
58. **Webster, C.R.** and M.A. Jenkins. Age structure and spatial patterning of *Trillium* populations in old-growth forests. The Ecological Society of America, 92nd Annual Meeting, San Jose, CA, August 6, 2007.
59. Nagel, L.M., M.K. Janowiak, and **C.R. Webster**. Spatial scale affects diameter distribution shape in uneven-aged northern hardwoods. International Union of Forest

- Research Organizations, International Forest Science Meeting, Sault Ste. Marie, Ontario, Canada, July 29 - August 2, 2007.
60. Janowiak, M.K., L.M. Nagel, and **C.R. Webster**. Sampling scale and diameter distributions in northern hardwood forests. Society of American Foresters National Convention, Pittsburgh, Pennsylvania, October 25 – 29, 2006. (poster)
 61. Shartell, L.M., L.M. Nagel, A.J. Storer, M.D. Hyslop and **C.R. Webster**. 2007. Risk assessment of invasive plants within the National Parks of the Great Lakes Network. Poster presentation, George Wright Society Conference on Parks, Protected Areas, and Cultural Sites, St. Paul, MN, April 16-20, 2007.
 62. **Webster, C.R.** Habitat Survey of the Eagle River Watershed. Eagle River, MI. Sponsored by the Houghton Keweenaw Conservation District and the Michigan Department of Environmental Quality. October 16, 2006.
 63. Griggs, J.A., **C.R. Webster**, M.A. Jenkins, and J.H. Rock. Simplified floral diversity and the legacy of deer overabundance in Great Smoky Mountains National Park. The Ecological Society of America, 91st Annual Meeting, Memphis, TN, August 9, 2006.
 64. Jenkins, M.A., **C.R. Webster**, J.H. Rock. Effects of chronic herbivory and historic land use on population structure of a forest perennial, *Trillium catesbaei*. The Ecological Society of America, 91st Annual Meeting, Memphis, TN, August 9, 2006.
 65. **Webster, C.R.**, and S.R. Wangen. 2005. Time lags and invasion risk: reconstructing the invasion of Mackinac Island by Norway maple. 4th Annual Western Great Lakes Research Conference, Marquette, MI. March 30, 2005.
 66. Nagel, L.M., **C.R. Webster**, and A.J. Storer. 2005. Impact and suppression efforts for five prominent invasive plant species in northern Great lakes forests. 4th Annual Western Great Lakes Research Conference, Marquette, MI. March 30, 2005.
 67. Storer, A.J., L.M. Nagel, **C.R. Webster**, and M.D. Hyslop. 2005. A predictive model for exotic plant species for the Great lakes network of the National Park Service. 4th Annual Western Great Lakes Research Conference, Marquette, MI. March 30, 2005. (poster)
 68. Griggs, J.A., **C.R. Webster**, J.H. Rock, and M.A. Jenkins. 2004. Can forest plant communities recover from overabundant deer populations? 31st Annual Natural Areas Conference, Chicago, IL. October 16, 2004.
 69. **Webster, C.R.** Norway Maple on Mackinac Island: Past, Present, and Future. Mackinac Island Public Library, sponsored by The Mackinac Island Community Foundation. August 25, 2004.
 70. **Webster, C.R.**, and C.G. Lorimer. Surviving in “dismal dark and cold corners”: effects of canopy gap size on sapling growing space efficiency. North American Forest Biology Workshop, Michigan Tech, Houghton, MI, July 14, 2004.
 71. J. A. Griggs, Wangen, S.R., **C.R. Webster**. Invasion of Norway maple into Mackinac Island State Park. 30th Natural Areas Conference, Madison, WI, September 24-27, 2003. (Poster)
 72. **Webster, C.R.** and C.G. Lorimer 2003. Manipulating group-selection opening size to promote tree species diversity in hemlock-hardwood forests. Pp. 299-309 in Proceedings, Society of American Foresters National Convention, Buffalo, NY, October 26, 2003.
 73. **Webster, C.R.** and C.G. Lorimer. Comparative productivity and composition of canopy gaps in uneven-aged northern hemlock-hardwood forests. 86th Annual Meeting of the Ecological Society of America, Monona Terrace, Madison, WI, August 8, 2001.
 74. **Webster, C.R.** and G.R. Parker. Sweet cicely, jack-in-the-pulpit, and white baneberry as indicators of white-tailed deer browsing intensity within mesic forest of Indiana. 1998 Spring Wildlife Society Technical Meeting, Nashville, IN, March 4, 1998.

75. **Webster, C.R.** and G.R. Parker. Evaluation of *Osmorhiza claytoni*, *Arisaema triphyllum*, and *Actaea pachypoda* as potential indicators of white-tailed deer overabundance. 113th Annual Meeting of the Indiana Academy of Science, Saint Joseph's College, Rensselaer, IN, October 31, 1997.
76. **Webster, C.R.** and G. R. Parker. The influence of white-tailed deer on forest communities of Midwestern state parks. Forestry and Natural Resources Research Symposium, Purdue University, West Lafayette, IN, April 17, 1997. (poster)
77. **Webster, C.R.** and G. R. Parker. The influence of white-tailed deer on forest communities of Midwestern state parks. The Ecological Society of America 82nd Annual Meeting, Albuquerque, NM, August 11, 1997.
78. **Webster, C.R.** and G. R. Parker. Effects of browsing by white-tailed deer on Indiana's State Parks. 112th Annual Meeting of the Indiana Academy of Science, DePauw University, Green Castle, IN, November 8, 1996.