

ALEXANDRA M. KOSIBA, Ph.D.

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[Publication Statistics](#) | [Open Researcher and Contributor ID](#)

EMPHASIS AREA

I specialize in the ecology and physiology of forests in the Northeastern U.S., focusing on tree responses to climate change, forest carbon dynamics, and ecosystem processes. My work bridges research and practice, helping landowners, professionals, and the public understand the science of forest ecology and sustainable management.

EDUCATION

Ph.D., Natural Resources. 2017. University of Vermont, Burlington, VT

M.Sc., Forest Science. 2012. University of Vermont, Burlington, VT

B.Sc., Biology & Environmental Science. 2004. Tufts University, Medford, MA

PROFESSIONAL EXPERIENCE

Extension Assistant Professor of Forestry – College of Agriculture and Life Sciences, University of Vermont, S. Burlington, VT (2022-present)

Faculty – Rubenstein School of Environment and Natural Resources, University of Vermont (2023-present)

Faculty – Graduate College, University of Vermont (2023-present)

Vermont Climate Forester – Vermont Department of Forests, Parks and Recreation, Montpelier, VT (2020-2022)

Research Scientist & Program Coordinator – Forest Ecosystem Monitoring Cooperative, University of Vermont, S. Burlington, VT (2017-2020)

Lecturer – Rubenstein School of Environment and Natural Resources, University of Vermont, Burlington, VT (2017)

Research Scientist – Forest Ecosystem Monitoring Cooperative, University of Vermont, S. Burlington, VT (2017)

Graduate Research Assistant – University of Vermont, Burlington, VT (2012-2016)

Ecosystem Services Consultant – Winooski Natural Resources Conservation District, Winooski, VT (2014-2015)

Forest Ecology Research Technician – University of Vermont, Burlington, VT (2012)

Graduate Research Assistant – University of Vermont, Burlington, VT (2009-2011)

PEER-REVIEWED JOURNAL ARTICLES

1. Fitch A, Goldsmith S, D'Amato A, Legge E, Adamchak A, Gannon D, **Kosiba AM**, Evans K, Hicks- Pries C. In review. *Mycorrhizal legacy mediates seedling success following timber harvesting in Northeastern forests*. Ecological Applications.

2. Juice SM, Schaberg PG, **Kosiba AM**, Waite CE, Hawley GJ, Wang D, Perdrial JN and Adair EC. 2022. *Soil type modifies the impacts of warming and snow exclusion on leachate carbon and nutrient losses*. Biogeochemistry: 160, 199–217 [doi.org/10.1007/s10533-022-00949-1]
3. Rayback SA, Duncan JA, Schaberg PG, **Kosiba AM**, Hansen CF, and Murakami P. 2020. *The DendroEcological Network: a cyberinfrastructure for the storage, discovery and sharing of tree-ring and associated ecological data*. Dendrochronologia [doi.org/10.1016/j.dendro.2020.125678]
4. **Kosiba AM**, Schaberg PG, Rayback SA, and Hawley GJ. 2019. *The surprising recovery of red spruce growth shows links to decreased acid deposition and elevated temperature*. Science of the Total Environment. 637: 1480-1491. [doi.org/10.1016/j.scitotenv.2018.05.010]
5. **Kosiba AM**, Meigs G, Duncan J, Pontius J, Keeton W, Tait E. 2018. *Spatiotemporal patterns of forest damage and disturbance in the Northeastern United States: 2000 - 2016*. Forest Ecology and Management. 430: 94-104. [doi.org/10.1016/j.foreco.2018.07.047]
6. **Kosiba AM**, Schaberg PG, Rayback SA, and Hawley GJ. 2017. *Comparative growth trends of five northern hardwood and montane tree species reveal divergent trajectories and response to climate*. Canadian Journal of Forest Research. 47 (6): 743-754. (selected as CJFR Editor's Choice Manuscript, September 2018)
7. Engle BJ, Schaberg PG, Hawley GJ, Rayback SA, Pontius J, **Kosiba AM**, and Miller EK. 2016. *Assessing relationships between red spruce radial growth and pollution critical load exceedence values*. Forest Ecology and Management 359:83-91.
8. Schaberg PG, Hawley GJ, Rayback SA, Halman JM, and **Kosiba AM**. 2014. *Inconclusive evidence of Juniperus virginiana recovery following sulfur pollution reductions*. Proceedings of the National Academy of Science, 111 (1): 1-2.
9. **Kosiba AM**, Schaberg PG, Hawley GJ, and Hansen CF. 2013. *Quantifying the legacy of foliar winter injury on wood aboveground carbon sequestration of red spruce trees*. Forest Ecology and Management, 302: 363-371.

PEER-REVIEWED OUTREACH PUBLICATIONS

1. **Kosiba AM**. 2024. *Heavy Rains and Upland Forests*. Northern Woodlands Magazine, Winter, pp. 50-53.
2. **Kosiba AM**. 2024. *Managing Forests for Resilience*. Northern Woodlands Magazine, Fall, pp. 48-52.
3. **Kosiba AM**. 2024. *A Guide to Forest Carbon in the Northeast*. Northern Woodlands and Securing Northeast Forest Carbon Program. 32 p.
4. **Kosiba AM**. 2024. *Climate Change Impacts on Northeastern Forests*. Northern Woodlands Magazine, Spring, pp. 30-35.
5. **Kosiba AM**. 2023. *Payments for Forest Carbon*. Northern Woodlands Magazine, Winter, pp. 34-41.
6. **Kosiba AM**. 2023. *Managing Forest Carbon*. Northern Woodlands Magazine, Fall, pp. 34-41.
7. **Kosiba AM**. 2023. *Understanding Forest Soil Carbon*. Northern Woodlands Magazine, Summer, pp. 34-41.

8. **Kosiba AM**. 2023. *An Introduction to Forest Carbon*. Northern Woodlands Magazine, Spring, pp. 44-49.

OUTREACH PUBLICATIONS

1. **Kosiba AM**, D'Amato A, Lindgren C. 2024. *Valuing the Carbon Benefits of Your Sugarbush*. University of Vermont Extension. 4 p.
2. D'Amato A, **Kosiba AM**, Lindgren C. 2024. *Enhancing the Carbon Benefits of Your Sugarbush*. University of Vermont Extension. 4 p.
3. D'Amato A, **Kosiba AM**, Lindgren C. 2024. *Forest Carbon in Your Sugarbush*. University of Vermont Extension. 4 p.
4. **Kosiba AM**, McGann T, Beland K, Forrer K. 2024. *12 Steps for Climate Resilience: Forest Management Plan Checklist*. UVM Extension, Vermont Woodlands Association, VT Forests Parks and Recreation. 6 p.
5. **Kosiba AM**. 2024. *12 Steps for Climate Resilience: Managing Your Forest with Climate Change in Mind* [pocket cards]. Version 2. UVM Extension, Vermont Woodlands Association, VT Forests Parks and Recreation. 28 p.
6. **Kosiba AM**. 2024. *12 Steps for Climate Resilience: Managing Your Forest with Climate Change in Mind*. Version 2. UVM Extension, Vermont Woodlands Association, VT Forests Parks and Recreation. 8 p.
7. Fitch A, Legge E, Hicks Pries C, **Kosiba AM**, D'Amato A. 2023. *Mycorrhizal Fungi in Northeastern Forest Ecosystems*. Dartmouth College and the University of Vermont. 4 p.
8. **Kosiba AM**. 2022. *12 Steps for Climate Resilience: Managing Your Forest with Climate Change in Mind* [pocket cards]. Vermont Woodlands Association, VT Forests Parks and Recreation, and UVM Extension. 28 p.
9. **Kosiba AM**. 2022. *12 Steps for Climate Resilience: Managing Your Forest with Climate Change in Mind*. Vermont Woodlands Association, VT Forests Parks and Recreation, and UVM Extension. 6 p.
10. D'Amato A, Mahaffey A, **Kosiba AM**, Patch N, Thompson L, Sausville L, van Loon P, Wanner K. 2020. *Ten Recommendations to Help You Manage Ash in Your Woods in the Face of Emerald Ash Borer and Climate Change*. Forest Stewards Guild, Vermont Department of Forests Parks and Recreation, University of Vermont, Vermont Land Trust, and Vermont Coverts. 4 p.
11. **Kosiba AM**. 2020. *Trees, Carbon, and Climate Change*. Vermont Department of Forests Parks and Recreation. 2 p.
12. D'Amato A, Mahaffey A, Pepper L, **Kosiba A**, Patch N, van Loon P. 2020. *Ten Recommendations for Managing Ash in the Face of Emerald Ash Borer and Climate Change for Foresters*. Forest Stewards Guild, Vermont Department of Forests Parks and Recreation, University of Vermont, Vermont Land Trust. 4 p.
13. Janowiak M, **Kosiba AM**, Carlton A. 2020. *Caring for Your Woods in the Years Ahead*. NIACS, Vermont Department of Forests Parks and Recreation, Vermont Coverts. 4 p.
14. **Kosiba AM**. 2020. *Forest Carbon Markets for Vermont Landowners*. Vermont Department of Forests Parks and Recreation. 4 p.

15. **Kosiba AM**. 2020. *What is Forest Carbon?* Vermont Department of Forests Parks and Recreation. 3 p.

ARTICLES

1. **Kosiba AM**. 2025. *Balancing Hope and Reality*. American Scientist.
2. **Kosiba AM**, Vadeboncoeur M, Zukerman S, Brum M, McIntire C, Tumber-Davilla SJ, Asbjornsen H. *Understanding Tree Responses to Drought*. NESAF News Quarterly Science Theme. Jan 2025
3. **Kosiba AM**, Wilke J, D’Amato A, Evans K. *Managing Forests for Adaptation to Climate Change*. NESAF News Quarterly Science Theme. October 2024
4. **Kosiba AM**, Nave L. *Understanding How Management Impacts Soil Organic Carbon*. NESAF News Quarterly Science Theme. July 2024.
5. **Kosiba AM**. 2024. *Reflection on the Massachusetts Climate Forestry Committee*. From the Ground Up, Spring.
6. **Kosiba AM**. *Emerging Science: Abstracts from the 2023 NESAF Annual Meeting*. NESAF News Quarterly Science Theme. April 2024.
7. **Kosiba AM**, Clark P. *The Challenges We Face with Planting Trees*. NESAF News Quarterly Science Theme. January 2024
8. **Kosiba AM**, Rittenhouse T. *Forest Habitat for Bats*. NESAF News Quarterly Science Theme. October 2023.
9. **Kosiba AM**, Karst J, Jones M, Hoeksema J. *When Stories About Forests Get Ahead of the Science*. News Quarterly Science Theme. July 2023.
10. Jaquith S and **Kosiba AM**. 2022. *Adding Large Wood to Rivers: A Practice for Forest Health*. Notes from the Field: The Watershed Forestry Partnership Newsletter, Fall.

TECHNICAL REPORTS AND WHITE PAPERS

1. Adams D, Blouin J, Caputo N, Dodge N, Greenough B, Ladago B, Opuszynski W, Owczarski D, O’Wrill J, Singleton D, Appleton T, Bulmer S, Frederick D, Freeman A, Hirsch A, **Kosiba AM**, Osborn G, Phillips H, Rinehart N, Stivala J, Zaino R, Fritschie K. 2024. *Worcester Range Management Unit Long-Range Management Plan*. Vermont Agency of Natural Resources.
2. Savannah F, **Kosiba AM**, Esden J, Adams D, Halman J, and Holschuh R. 2023. *Management Guide for Eastern Hemlock Conservation in Vermont*. Vermont Agency of Natural Resources. 76 p.
3. Duncan J, Donisvitch S, **Kosiba AM**, Cooper C, and Nevins M. 2022. *Estimates of Storage, Sequestration, Harvest-Related Removals and Transport-Related Emissions of Carbon in the Pisgah State Park, 2008 to 2021*. [doi.org/10.18125/v31lrj]
4. Galford G, Darby H, Hall F, and **Kosiba AM**. 2021. *A Carbon Budget for Vermont*.
5. Wikle J, Higgins H, Clark P, Cook D, Dutton D, Garton J, **Kosiba AM**, Schadler E, 2021. *Climate Change in Forests*. In Galford, G.L., Faulkner, J. et al. (Eds), *The Vermont Climate Assessment 2021*. Burlington, Vermont: Gund Institute for Environment at the University of Vermont. <https://vtclimate.org>

6. **Kosiba AM**. 2020. *Vermont Forest Carbon Inventory*. Vermont Department of Forests, Parks and Recreation.
7. **Kosiba AM** and Duncan JA. 2020. *Moderate and intensive forest clearings detected in New Hampshire using remote sensing (2000-2018)*. Forest Ecosystem Monitoring Cooperative: South Burlington, VT.
8. **Kosiba AM**, Truong J, Duncan JA, Finnegan MO, and Pontius J. 2019. *Northeast Forest Fragmentation Information Network Version 1.0: Analysis of Resources and Gaps*. Forest Ecosystem Monitoring Cooperative: South Burlington, VT. [doi.org/10.18125/d1y18y].
9. **Kosiba AM**, Finnegan MO, Truong, J, Duncan JA, and Pontius J. 2019. *Climate Connection: Tools for understanding climate change and how it impacts forest ecosystems in the Northeast*. Forest Ecosystem Monitoring Cooperative: South Burlington, VT. [doi.org/10.18125/d4x25z]
10. Duncan JA, **Kosiba AM**, Rayback SA, Murakami PF, Hansen CF, and Schaberg PS. 2019. *The DendroEcological Network Version 1.0 – Technical Report*. Forest Ecosystem Monitoring Cooperative: South Burlington, VT. [doi.org/10.18125/d3y16y]
11. Edling L, Duncan J, **Kosiba AM** and Pontius JA. 2019. *Linking Forest Science to Policy: Improving a Forest Indicators Dashboard to inform policy and decision making across Vermont's forested landscape*. Forest Ecosystem Monitoring Cooperative: South Burlington, VT. [doi.org/10.18125/l165vd]
12. Duncan JA, Tait ER, Meigs GW, **Kosiba AM**, Pontius JA, and Keeton W. 2018. *The Northeastern Forest Health Atlas – Technical Report*. Forest Ecosystem Monitoring Cooperative: South Burlington, VT. [doi.org/10.18125/D2873C.]
13. **Kosiba AM**, Duncan JA, and Brown-Lima C. 2018. *Hemlock woolly adelgid-induced losses in riparian corridors in New York State*. Forest Ecosystem Monitoring Cooperative: South Burlington, VT.
14. Nicholson C, **Kosiba AM**, Duncan JA, Truong J and Pontius JA (Eds.) 2018. *The Forest Ecosystem Monitoring Cooperative Regional Monitoring Update - 2017*. Forest Ecosystem Monitoring Cooperative: South Burlington, VT. [doi: 10.18125/regional2017]
15. Nicholson C, Duncan JA, **Kosiba AM**, Truong J and Pontius JA (Eds). 2018. *The Forest Ecosystem Monitoring Cooperative Long-Term Monitoring Update – 2017*. Forest Ecosystem Monitoring Cooperative: South Burlington, VT. [doi: 10.18125/vermont2017]
16. **Kosiba AM**, Duncan JA, Truong J, and Pontius JA (Eds). 2017. *The Forest Ecosystem Monitoring Cooperative Regional Monitoring Update - 2016*. Forest Ecosystem Monitoring Cooperative: South Burlington, VT. [doi: 10.18125/D2WC74. 10.18125/D2WC74]
17. Duncan JA, Truong J, Pendleton M, **Kosiba AM**, Katz J, and Pontius JA (Eds). 2017. *The Forest Ecosystem Monitoring Cooperative Long-Term Monitoring Update - 2016*. Forest Ecosystem Monitoring Cooperative: South Burlington, VT. [doi: 10.18125/D2NH2F]
18. **Kosiba AM**. *Key findings from i-Tree Eco report for the City of Winooski, Vermont*. 2015. Winooski Natural Resources Conservation District: Winooski, VT.
19. **Kosiba AM**, Schaberg PG, Hawley GJ, and Rayback SA. 2014. *Using dendroecological techniques to interpret the response of trees to environmental change at Vermont Monitoring Cooperative's Mount Mansfield study site*. Vermont Monitoring Cooperative: S. Burlington, VT.

COMMITTEE REPORTS AND PROCEEDINGS

1. Birdsey R, Catanzaro P, D'Amato A, Foster D, **Kosiba AM**, MacLean MG, Marx L, Moomaw W, Ontl T, Riely C, Shakun J, and Thompson J. 2024. *Report of the Climate Forestry Committee: Recommendations for Climate-Oriented Forest Management Guidelines*. Massachusetts Executive Office of Energy and Environmental Affairs. 70 p.
2. Belisle A, Pupko J, Truong J, **Kosiba AM**, Duncan J, Pontius J. (Eds.) 2020. *Monitoring for Impacts of Climate Change: Tracking and measuring outcomes in northeastern forests*. Proceedings of the December 13, 2019 Forest Ecosystem Monitoring Cooperative Conference: Burlington, VT, Forest Ecosystem Monitoring Cooperative.

BOOKS & CHAPTERS

1. Schaberg P, **Kosiba AM**, Hawley G, Rayback SA, Pontius J, Engle BJ. 2020. *Assessing impacts of acid deposition on red spruce forests – do pollution legacies matter?* In: *Advances in Environmental Research*. Nova Science Publisher, NY.

GRANTS

Total Sponsor Funding secured since 2022 as PI or Co-PI: **\$1,638,537**

1. *The Red Spruce Paradox: Growth Resurgence or Decline in the Northern Forest?* Northeastern States Research Cooperative [\$100,134] PI: Wason J. Co-PI: Bosley-Smith C, Fraver S, Ouimette A. Co-I: Adams A, Battles J, D'Amato A, Dovciak M, **Kosiba AM**, Pederson N, Seirup C.
2. *Scaling-Up Strategic Wood Addition for Flood Resilient Rivers and a Strengthened Working Lands Economy*. USFS Landscape-Scale Restoration Grant Program [\$343,978, UVM subaward: \$49,563]. PI: Jaquith, Co-PIs: **Kosiba AM**, Rogers E, Machin B. Submitted.
3. *The Threat of Invasive Species on Maple Sap Production*. NIFA Specialty Crops Research Initiative [\$50,000]. PI: Rademacher T, Co-I: **Kosiba AM**, Isselhardt M, Canella M, D'Amato A. Submitted.
4. *Enhancing Opportunities for Early Detection through New Outreach Methods*. USDA APHIS Plant Protection Act 7721 Plant Pest and Disease Management [\$142,604]. PI: **Kosiba AM**. 9/1/2025-8/31/2026.
5. *Resilient Maple Sugarbushes and Businesses: Climate Adaptation and Mitigation Training for Sugarbush Managers and Consultants*. ACER Access Fund [\$481,691, UVM subaward: \$195,279]. PI: Lilley J, Co-PIs: Leahy J, **Kosiba AM**, Co-I: Isselhardt M. 10/1/2024-9/30/2027
6. *Growing Vermont's Forest Resilience: A Collaborative Strategy*. USDA Forest Service Inflation Reduction Act (IRA) Forest Landowner Support [\$5,000,000, UVM subaward: \$1,005,280]. PI: Thompson K, Co-PIs: **Kosiba AM**, Forrer K, Kozlowski G, Sausville L, Hamlin P, Wright T, Pfeiffer P. 3/1/2025-2/28/2030.
7. *Smokey House Community Science Recreation Program*. VOREC, Vermont Forests, Parks and Recreation [\$95,298.50, UVM subaward: \$3,610]. PI: Cammack W, Co-PIs: Keagy M, **Kosiba AM**, Rebozo R.
8. *Expanding Outreach and Education on Key Invasive Forest Pests to New Audiences*. USDA APHIS Plant Protection Act 7721 Plant Pest and Disease Management [\$97,684]. PI: **Kosiba AM**. 9/1/24-8/31/25.
9. *Engaging Landowners to Address the Biodiversity Crisis: Collaborative Conservation for Vermont Forests*. Audubon Vermont [\$324,316, UVM subaward: \$75,000]. PI: Liner J, Co-PIs: **Kosiba AM**. 4/1/24-3/31/27.
10. *Forest Pest Outreach and Survey Project*. USDA APHIS Plant Protection Act 7721 Plant Pest and Disease Management [\$89,573]. PI: **Kosiba AM**. 9/1/23-8/31/24.

11. *Extension Forestry Support*. Vermont Department of Forests, Parks and Recreation [\$80,421]. PI: **Kosiba AM**. 10/2022-5/2025
12. *Forest Pest Outreach and Survey Project*. USDA APHIS Plant Protection Act 7721 Plant Pest and Disease Management [\$45,573]. PI: **Kosiba AM**. 9/1/22-8/31/23.
13. *Climate adaptation for Vermont's Forests and Forest Supply Chain*. USDA Forest Service Landscape Scale Restoration Grant Program 2022 [\$298,665]. PI: **Kosiba AM**, Co-PIs: Bick S, Servidio K, Thompson K. 9/1/2022-8/31-2025
14. *Forest Inventory Data Integration, Access, and Analysis: A Sustainable Data Infrastructure for Forest Managers and Researchers in the Northeastern US*. USDA Agriculture and Food Research Initiative [\$290,833]. PI: Pontius JA, Co-PIs: D'Amato A, Weiskittle A, **Kosiba AM**, Duncan JA. 9/1/2019-8/31/2021.
15. *Linking Forest Science to Policy: Enhancing Quick and Easy Access to Data Required to Inform Decision Making Across Vermont's Forested Landscape*. James M. Jeffords Fund Policy Studies Grant Proposal [\$9,869]. PI: Pontius JA, Co-PIs: **Kosiba AM**, Duncan JA, Finnegan MO. 2018.

ONLINE TOOLS & DATABASES

1. Hike J, Zaino R, Goodwin G, Perry S, **Kosiba AM**. 2023. *Vermont Conservation Design 2.0*. Vermont Agency of Natural Resources.
2. **Kosiba AM**, Belisile A, Desideraggio G, Nevins Cooper C, Tait E, Duncan JA. 2020. *Threats to the Urban Forest: The Potential Impacts of Invasive Forest Pests and Diseases in the Northeast*. Available at: <https://arcg.is/18ebfX>
3. **Kosiba AM**, Pupko J, Belisile A, Tait E, Voorhis N, Duncan JA, Krebs J. 2020. *REGEN: Northeast Forest Regeneration Data Network*. Available at: https://www.uvm.edu/femc/forest_regen
4. **Kosiba AM**, Tait E, Sirch M, Duncan JA, Beier C. 2019. *Risk of invasive plant transfer in the Adirondack Park*. Available at: <https://arcg.is/OSXiC>
5. **Kosiba AM**, Nevins M, Duncan JA. 2019. *Forest clearing detected in New Hampshire using remote sensing (2000-2018)*. Available at: <https://arcg.is/WSK4y>
6. **Kosiba AM**, Finnegan MO, Duncan JA. 2018. *The Climate Connection*. Available at: www.uvm.edu/femc/climate-connection
7. **Kosiba AM**, Duncan JA. *Projected hemlock woolly adelgid-induced losses in riparian corridors in New York State*. Available at: <https://arcg.is/1D1LXe>
8. **Kosiba AM**, Lovett G, and Duncan JA. 2018. *Catskill Science Collaborative data access portal*. Available at: <https://www.uvm.edu/femc/catskill>
9. Rayback SA, Schaberg, PG, Duncan JA, **Kosiba AM**, Murakami PJ, Hansen CF. 2018. *DendroEcological Network (DEN)*. Available at: www.uvm.edu/femc/dendro
10. Duncan JA, Truong JM, **Kosiba AM**, Finnegan MO, Pontius JA. 2018. *The Northeast Forest Fragmentation Information Network (FragNet)*. Available at: www.uvm.edu/femc/fragnet
11. Duncan JA, **Kosiba AM**, Pontius JA, Truong J. 2018. *Vermont Forest Indicators Dashboard*. Available at: www.uvm.edu/femc/vt/indicators
12. Duncan JA, Meigs GW, Tait ER, **Kosiba AM**, Pontius JA, Keeton W. 2017. *Northeastern Forest Health Atlas*. Available at: www.uvm.edu/femc/forest-health-atlas

OUTREACH PRESENTATIONS

1. **Kosiba AM**. 2025. *Forest, Carbon and Climate Change*. NOFA Vermont Winter Conference. Burlington, VT. February 15.

2. **Kosiba AM.** 2025. *Effects of Climate Change on Forests*. Testimony to the House Committee on Environment. Montpelier, VT. February 13.
3. **Kosiba AM.** 2025. *How Trees Respond to Climate Change*. UVM Forest Ecosystem Health. Burlington, VT. February 3.
4. **Kosiba AM.** 2025. *Importance of Old Forests*. Testimony to the House Committee on Environment. Montpelier, VT. January 30.
5. **Kosiba AM.** 2025. *12 Steps to Climate Resilience: Managing Your Forest with Climate Change in Mind*. Khuba International. Online. January 29.
6. **Kosiba AM.** 2025. *Carbon and Vermont's Forests*. Green Mountain Division Legislative Breakfast. January 14. Montpelier, VT.
7. **Kosiba AM.** 2024. *Forest Soils: Carbon and Climate Change*. Cornell Cooperative Extension Forest Connect. Online. December 18.
8. **Kosiba AM.** 2024. *Demystifying Forest Carbon Offsets*. Cornell Cooperative Extension and The Nature Conservancy NY. Online. December 11.
9. **Kosiba AM.** 2024. *Forests, Carbon and Climate Change*. Durham Conservation Commission, UNH Extension. Durham, NH. November 20.
10. **Kosiba AM.** 2024. *Forest Soils: Carbon and Climate Change*. Massachusetts Department of Conservation and Recreation Soil Ecology Workshop. Athol, MA. November 7.
11. **Kosiba AM.** 2024. *Maple Ecology*. UVM Farm to Table: Our Contemporary Food System. Burlington, VT. October 28.
12. **Kosiba AM.** 2024. *Forest Carbon Management*. Northeast Silviculture Institute. Randolph, VT. October 16.
13. **Kosiba AM.** 2024. *Vermont's Forests in a Changing Climate: What you can do to steward your woods into the future*. Fall 2024 Vermont Coverts Cooperator Training. Castleton, VT. September 14.
14. **Kosiba AM.** 2024. *Forests and Climate Change*. National Park Youth Summit. Woodstock, VT. August 6.
15. **Kosiba AM.** 2024. *The UVM Extension Forestry Program*. Coverts Council. Woodstock, VT. July 9.
16. **Kosiba AM.** 2024. *Understanding Forest Carbon: How Forests Mitigate Climate Change*. North Branch Nature Center Naturalist Journeys. Montpelier, VT. March 5.
17. **Kosiba AM.** 2024. *Ecological Shifts on the Trail: Exploring the Influence of Climate Change on Vermont's Forest*. Green Mountain Club Lecture Series. Richmond, VT. February 29.
18. Fitch A, Legge E, **Kosiba AM.** 2024. *Mycorrhizal Fungi in Northeastern Forest Ecosystems*. UVM Extension Forestry. Online. February 21.

19. **Kosiba AM.** 2024. *12 Steps to Climate Change: Managing Your Forest with Climate Change in Mind.* Vermont Woodlands Association Climate Change Webinar series. Online. January 31.
20. **Kosiba AM,** Malmsheimer R, Buchholz T. 2024. *Carbon Accounting for Wood Heat.* Northern Forest Center. Online. January 17.
21. Williams C, Anderson M, **Kosiba AM.** 2023. *Making Sense of Forest Carbon Dynamics: Young, Old and Everything In-between.* New York State Department of Environmental Conservation. Online. December 19.
22. **Kosiba AM.** 2023. *Resilience and Adaptation in Sugarbushes.* Vermont Maple Conference. Randolph, VT. January 9.
23. **Kosiba AM.** 2023. *The Science of Forest Carbon.* Natural Resources and Environment Fall Seminar Series, University of Connecticut. Storrs, CT. Oct 14.
24. **Kosiba AM** and Seymour R. 2023. *Forest Carbon Management.* Climate and Carbon Module for the Northeast Silviculture Institute. Gardner, MA. October 12.
25. **Kosiba AM.** 2023. *Trees, Forests and Climate Change.* UVM Forest Ecosystem Health. Burlington, VT. September 18.
26. **Kosiba AM.** 2023. *How Forests Can Help to Mitigate Climate Change.* Carbon Forestry Trust. Albany, NY. September 7.
27. **Kosiba AM.** 2023. *Vermont's Forests in a Changing Climate and What You Can Do to Steward Your Woods into the Future.* Vermont Coverts fall cooperators training. Castleton, VT. September 9.
28. **Kosiba AM.** 2023. *Maple health and practical sugarbush management.* Maple Sap Business Training. Underhill, VT. August 23.
29. **Kosiba AM.** 2023. *The State of Sugar Maple: Current Climate Stressors, and Future Projections.* Maine Maple Management Conference. Waterville, ME. August 11.
30. **Kosiba AM.** 2023. *Climate Change, Carbon, and Forests.* New Hampshire Department of Conservation and Recreation. June 23.
31. **Kosiba AM.** 2023. *The Science of Forest Carbon.* Marsh-Billings-Rockefeller National Historic Site. Online. June 7.
32. **Kosiba AM.** 2023. *Vermont's Forests in a Changing Climate (and what you can do to steward your woods into the future).* Sustainable Woodstock. Online. May 18.
33. **Kosiba AM.** 2023. *Managing for Resilience.* Vermont Consulting Foresters Meeting. Berlin, VT. May 18.
34. **Kosiba AM.** 2023. *How Forests Can Help to Mitigate Climate Change.* Belmont High School Climate Summit. Online. May 17.

35. **Kosiba AM.** 2023. *Climate Change and Tree Health*. Vermont Forest Pest First Detectors training. Online. May 9.
36. **Kosiba AM.** 2023. *My Journey to Extension Forester*. UMaine's Center for Research on Sustainable Forests, INSPIRES Project. April 24.
37. **Kosiba AM.** 2023. *Vermont's Forests in a Changing Climate and What You Can Do to Steward Your Woods into the Future*. Vermont Coverts Spring Cooperators Training. East Charleston, VT. April 22.
38. **Kosiba AM.** 2023. *Ensuring Long-Term Forest Health and Resiliency*. Northern Forest Center. Online. April 19.
39. **Kosiba AM.** 2023. *Forests, Carbon, and Climate Change*. Securing Northeast Forest Carbon Program. Online. April 12.
40. **Kosiba AM.** 2023. *How Vermont's Forests Help Mitigate Climate Change and What We Can Do to Help*. Underhill Conservation Commission. Underhill, VT. March 23.
41. **Kosiba AM.** 2023. *How Will Climate Change Impact Vermont's Forests?* Working Woodlands Workshop, Marsh-Billings-Rockefeller National Historic Park. Online. March 22
42. **Kosiba AM.** 2023. *Vermont's Forests and Climate Change*. UVM Forest Conservation. Burlington VT. March 6.
43. **Kosiba AM.** 2023. *Climate Change and Forest Management 101*. Woodlands Partnership of NW Massachusetts. Online. January 25
44. **Kosiba AM.** 2023. *Vermont's Forests in a Changing Climate*. Cabot Conservation Commission. Online. January 13.
45. **Kosiba AM.** 2022. *Managing Your Forest with Climate Change in Mind*. Maine Organic Farmers Association. Online. December 14.
46. **Kosiba AM.** 2022. *Maple Health and Practical Sugarbush Management*. Vermont Maple Conference. Randolph, VT. December 10.
47. **Kosiba AM.** 2022. *Climate-Adaptive Forest Management*. Vermont Consulting Foresters' Annual Meeting. Berlin, VT. November 4.
48. **Kosiba AM.** 2022. *Managing Your Forest with Climate Change in Mind*. Vermont Woodlands Association. Online. October 6.
49. **Kosiba AM.** 2022. *Carbon and Forest Management 101*. Massachusetts Wildlife and Forestry Summit. Westborough, MA. October 5.
50. **Kosiba AM.** 2022. *Forests in a Changing Climate*. UVM Forest Ecosystem Health. Burlington, VT. September 16
51. **Kosiba AM.** 2022. *Forest Management with Carbon in Mind*. VT Coverts Annual Meeting. Castleton, VT. September 10.

52. **Kosiba AM.** 2022. *Vermont's Forests in a Changing Climate*. VT Coverts Fall Cooperators Training. Castleton, VT. September 10.
53. **Kosiba AM.** 2022. *Forests Climate Change and Climate-Adaptive Management*. Northern Woodlands Field Day. Norwich, VT. August 22.
54. **Kosiba AM.** 2022. *Forest Carbon for Vermont Landowners*. Vermont Woodlands Association. Online. June 10.
55. **Kosiba AM.** 2022. *Vermont's Forests and Climate Change*. UVM Forest Conservation. Burlington, VT. February 28.
56. **Kosiba AM.** 2022. *Forest Carbon Markets: Module 3 Carbon Training for Foresters*. Northeast Forest Carbon. Online. January 19.
57. **Kosiba AM.** 2022. *Vermont's Forests: Carbon and Climate Change*. Testimony to the Vermont House Agriculture and Forestry Committee. Online. January 13.
58. **Kosiba AM.** 2022. *The Science of Forest Carbon Management: Module 2 Carbon Training for Foresters*. Northeast Forest Carbon. Online. January 12.
59. **Kosiba AM.** 2022. *The Science of Forest Carbon: Module 1 Carbon Training for Foresters*. Northeast Forest Carbon. Online. January 5.
60. **Kosiba AM.** 2021. *Sugar Maple Health and Climate Change*. Vermont Maple Conference. Online. December 10.
61. **Kosiba AM.** 2021. *Climate Change & Forest Health: from Planning to Management*. New York and New England Forest Health Cooperators Meeting. Burlington, VT. November 3.
62. **Kosiba AM.** 2021. *Forests and Climate Change*. UVM Forest Ecosystem Health. Online. September 29.
63. **Kosiba AM.** 2021. *Impacts of Climate Change on Vermont Forest Health*. VT FPR Forest Health Webinar Series. Online. May 18. <https://www.youtube.com/watch?v=JtAgRrrd5jg>
64. **Kosiba AM.** 2021. *The Science of Forest Carbon*. Sustainable Woodstock. Online. April 15. https://www.youtube.com/watch?v=o_RsC_QRTYk
65. **Kosiba AM.** 2021. *Vermont's Forests and Climate Change*. UVM Environmental Sciences. Online. April 28.
66. **Kosiba AM.** 2021. *Forests, Carbon and Climate Change*. UVM Forest Conservation. Online. April 12.
67. **Kosiba AM** and Patch R. 2021. *Vermont's Natural and Working Lands: Opportunities for Mitigation and Adaptation*. Global Warming Solutions Act's Climate Council. Online. January 4. <https://www.youtube.com/watch?v=mfyuE5OJZZU&list=PLb5jIRj04Vi81tTL1UxydBH-C0xmaN5MO&index=91>

68. **Kosiba AM.** 2020. *Managing Vermont's Forests under a Changing Climate.* UVM Forest Ecosystem Health. Online. November 30.
69. **Kosiba AM.** 2020. *Climate Change, Carbon and Forest Management at the Andrews Community Forest.* Vermont Woodlands Association. Online. October 20.
<https://www.youtube.com/watch?v=RxUDyuegqdc&t=3849s>
70. **Kosiba AM.** 2020. *Vermont's Forests and Climate Change.* Current Topics in Science, Northern Vermont University. Online. November 2. <https://www.youtube.com/watch?v=LYIRtFusztc>.
71. **Kosiba AM.** 2019. *New tools for decision making and planning.* Vermont Urban and Community Forestry Council. Essex, VT. December 11.
72. **Kosiba AM.** 2019. *Have red spruce trees 'recovered' from acid rain?* University of Vermont Marvin Seminar. Burlington, VT. November 21.
73. **Kosiba AM,** Pontius JA, Duncan JA, Finnegan MO, Truong J, Edling L. 2019. *Linking Forest Science to Policy: Enhancing quick and easy access to data required to inform decision making across Vermont's forested landscape.* Vermont Legislative Summit. Burlington, VT. November 21.
74. **Kosiba AM.** 2019. *Forest Ecosystem Monitoring Cooperative – sharing resources and data.* Forest Stewards Guild. Online. October 30. Available at:
<https://www.youtube.com/watch?v=9lgAK2yf9Gs&feature=youtu.be>

CONFERENCE PRESENTATIONS

1. **Kosiba AM.** 2024. *Risks and Threats: Assessing and Communicating Forest Vulnerability to Climate Change.* New England Society of American Foresters Annual Conference. Burlington, VT. March 27.
2. Wood A, Hilke J, Zaino R, Goodwin G, Perry S, **Kosiba AM.** 2023. *Connected Forests for Climate Adaptation: Updates to Vermont Conservation Design.* Forest Ecosystem Monitoring Cooperative Annual Meeting. Burlington, VT. December 17.
3. **Kosiba AM.** 2023. *Carbon Sequestration and Storage in Old Forests.* Eastern Old Growth Conference, Moultonborough, NH. September 22.
4. **Kosiba AM.** 2023. *Vermont's Forest Carbon.* Green Mountain Division Society of American Forester's Annual Conference. Randolph, VT. April 13.
5. Ferreira S, **Kosiba AM.** 2023. *Hemlock Conservation Plan.* New England Society of American Foresters Annual Conference. Nashua, NH. March 15.
6. **Kosiba AM.** 2021. *Disentangling the relationship between red spruce growth and climate.* UVM Red Spruce Restoration Workshop. Burlington, VT. September 9.
7. **Kosiba AM** and Duncan JA. 2019. *Data-driven decision support tools for forest managers and researchers.* North American Invasive Species Management Association Conference. Saratoga Springs, NY. October 1.

8. Rayback S, Duncan JA, Schaberg PG, **Kosiba AM**, Murakami P, Hansen CF. 2019. *The DendroEcological Network: A cyberinfrastructure to facilitate the use of tree-ring and ecological data to answer ecological questions*. Ecological Society of America Annual Meeting. Louisville, KY. August 13.
9. Schaberg PS, **Kosiba AM**, Rayback SA, Duncan JA, Hansen CF, Murakami P. 2019. *The DEN tree-ring database is “live” and includes Hubbard Brook data*. Hubbard Brook Annual Cooperators Meeting. Thornton, NH. July 11.
10. **Kosiba AM** and Duncan JA. 2019. *Leveraging Hubbard Brook Data for Regional Compilations and Syntheses*. Hubbard Brook Annual Cooperators Meeting. Thornton, NH. July 10.
11. Foster J, D’Amato A, **Kosiba AM**, and Schaberg PG. 2019. *Persistence of Mixedwoods in Montane and Ecotone Environments Under a Changing Climate*. North American Forest Ecology Workshop. Flagstaff, AZ. June 25.
12. **Kosiba AM**, Duncan JA, Tait E. 2019. *New Hampshire Forest Clearing Inventory*. New England Society of American Foresters Annual Meeting. Burlington, VT. March 28.
13. Duncan JA and **Kosiba AM**. 2019. *Mobilizing Continuous Forest Inventory Data for Regional Analyses of Patterns and Trends*. New England Society of American Foresters Annual Meeting. Burlington, VT. March 18.
14. Duncan JA and **Kosiba AM**. 2019. *Regional Projects to Synthesize Data*. Granite State Society of American Foresters Annual Meeting. Lincoln, NH. February 9.
15. **Kosiba AM** and Duncan JA. 2018. *Identifying hemlock woolly adelgid-induced losses in riparian corridors in New York State for research, monitoring, and management*. HWA Managers Meeting. Albany, NY. December 7.
16. **Kosiba AM**, Duncan JA, Rayback SA, Schaberg PG, Murakami PJ, and Hansen CF. 2018. *Announcing the DendroEcological Network (DEN)*. Forest Ecosystem Monitoring Cooperative. Burlington, VT. November 22.
17. **Kosiba AM**. 2018. *Connecting Red Spruce Physiology to Abiotic Conditions*. UVM Forest Ecosystem Health (guest lecture). Burlington, VT. November 9.
18. **Kosiba AM** and Duncan JA. 2018. *Introducing the Catskills Science Collaborative data access portal*. CERM Biannual Meeting. Highmount, NY. October 25.
19. Rayback SA, Schaberg PG, Duncan JA, **Kosiba AM**, Hansen CF, Murakami PJ, Pontius JA, Hawley G, Stern RL. 2018. *Tree ring data in eastern forests and the DendroEcological Network*. North American Forest Inventory and Tree-Ring Data Network Workshop. Tucson, AZ. October 15.
20. Schaberg PG, **Kosiba AM**, Rayback SA, Hawley GJ. 2018. *Possible Causes of Red Spruce Resurgence*. North American Forest Inventory and Tree-Ring Data Network Workshop. Tucson, AZ. October 15.

21. **Kosiba AM**, Duncan JA, Meigs GW, Pontius JA, and Keeton W. 2018. *The Northeastern Forest Fragmentation Information Network (FragNet)*. Forest Ecosystem Monitoring Cooperative. Online. October 8.
22. Juice SM, Adair CE, Schaberg PG, Hawley GJ, **Kosiba AM**, Waite C, Wang D, Perdrial JN. 2018. *Interacting Effects of Climate Change and Soil Characteristics on Carbon and Nitrogen Loss from Northern Hardwood Forests*. Ecological Society of America Annual Meeting. New Orleans, LA. August 13.
23. Duncan JA, **Kosiba AM**, Meigs GW, Pontius JA, Tait ER. 2018. *The Northeastern Forest Health Atlas – Making a Century of Mapped Damage to Forests Easy to Understand and Access*. New England Society of American Foresters Annual Winter Meeting. Nashua, NH. March 28.
24. **Kosiba AM**, Meigs G, Duncan J, Pontius J, Keeton W, Tait E. 2017. *Regional Spatiotemporal Patterns of Forest Disturbance Using Aerial Detection Surveys*. Forest Ecosystem Monitoring Cooperative Annual Conference. Burlington, VT. December 15.
25. **Kosiba AM**. 2017. *Pollution, Land-use History, and Climate Change in the Northern Forest*. UVM Global Change. Burlington, VT. April 29.
26. **Kosiba AM**, Rayback SA, Hawley GJ, and Schaberg PG. 2016. *Surprising red spruce growth resurgence - causes and implications*. Northeastern States Research Cooperative. Online. December 21.
27. **Kosiba AM**, Schaberg PG, Rayback SA, Hawley GJ. 2016. *Linking climate and environmental factors to the recent and surprising growth increase of red spruce trees across the northeastern US*. American Geophysical Union Fall Meeting. San Francisco, CA. December 12.
28. **Kosiba AM**, Schaberg PG, Rayback SA, Hawley GJ. 2016. *Investigating the surprising, recent growth increase of red spruce trees across the region*. ECANUSA. Burlington, VT. September 30.
29. Schaberg PG, Hawley GJ, Rayback SA, Pontius JA, **Kosiba AM**, Stern RL, Hansen CF, Murakami PC. 2016. *Building a dendroecology database for Hubbard Brook and beyond*. Hubbard Brook Annual Cooperators Meeting. Thornton, NH. July 14.
30. Schaberg PG, Hawley GJ, Rayback SA, Pontius JA, **Kosiba AM**, Stern RL, Hansen CF, Murakami PC. 2015. *Tree growth trends*. Vermont Monitoring Cooperative Annual Meeting. Burlington, VT. December 11.
31. **Kosiba AM**, Schaberg PG, Rayback SA, Hawley GJ. 2015. *Using dendroecological techniques to interpret the response of trees to environmental change*. Ecological Society of America Annual Meeting. Baltimore, MD. August 12.
32. Schaberg PG, Engel BJ, Hawley GJ, Rayback SA, Pontius JA, **Kosiba AM**, Miller EK. 2015. *Assessing a 60-year red spruce radial growth chronology relative to pollution critical load exceedance values*. Ecological Society of America Annual Meeting. Baltimore, MD. August 10.
33. **Kosiba AM**, Schaberg PG, Rayback SA, Hawley GJ. 2014. *Using dendroecology to examine the response of trees to environmental gradients at VMC's long-term ecological study site, Mount Mansfield*. Vermont Monitoring Cooperative Annual Meeting. Burlington, VT. December 11.

34. Rayback SA, Schaberg PG, Lini A, Hawley GJ, Halman J, **Kosiba AM**, Hansen CF. 2014. *The tree-ring perspective: how dendrochronological techniques enhance study of environmental change in New England*. Vermont Monitoring Cooperative Annual Meeting. Burlington, VT. December 11.
35. **Kosiba AM**, Schaberg PG, Rayback SA. 2013. *Examining the Recent Growth Trends of Red Spruce in the Northern Forest*. AmeriDendro Conference. Tucson, AZ. May 16.
36. **Kosiba AM**. 2013. *Understanding Tree Ranges*. UVM Biogeography (guest lecture). Burlington, VT. March 12.
37. **Kosiba AM**, Schaberg PG, Hawley GJ, Hansen CF. 2012. *The legacy of foliar winter injury on xylem growth and aboveground carbon sequestration for red spruce in the northeastern forest*. ECANUSA. Durham, NH. November 12.
38. **Kosiba AM**. 2012. *Range Changes of Forest Trees*. UVM Forest Ecology (guest lecture). Burlington, VT. April 4.
39. **Kosiba AM**, 2012. Schaberg PG, Hawley GJ, Hansen CF. *Quantifying the impact of winter injury on the long-term carbon sequestration of red spruce*. Northeastern Forest Research Symposium. South Burlington, VT. November 29.
40. **Kosiba AM**. 2011. *Range Change of Red Spruce Through Time*. UVM Biogeography (guest lecture). Burlington, VT. November 10.
41. **Kosiba AM**, Schaberg PG, Hawley GJ, Hansen CF. 2011. *The influence of winter injury on the long-term carbon sequestration of red spruce trees in the northeastern United States*. Ecological Society of America Annual Meeting. Austin, TX. August 12.
42. **Kosiba AM**. 2010. *The Influence of Winter Injury on the Carbon Sequestration of Red Spruce Trees*. Graduate Research Symposium. Burlington, VT. October 10.

INVITED PANELS

1. Dupigny-Giroux LA, **Kosiba AM**, Winter J, Brady M, Myers S. 2024. *Understanding climate projections and extreme precipitation events in the context of northeastern forests*. Forest Ecosystem Monitoring Cooperative Annual Conference. Burlington, VT. December 12.
2. **Kosiba AM**, Renfrew R, Rogers T. 2024. *Books That Inspire Conservation*. Vermont Coverts. Online. December 10.
3. Mahaffey A, **Kosiba AM**, Tapper JE, Roberge S, Whitman A. 2024. *Making Connections: Bringing it all home*. New England Society of American Foresters Annual Conference. Burlington, VT. March 28.
4. Pappa C, Matthews S, **Kosiba AM**. 2024. *Threats and vulnerabilities to forests in the eastern US under climate change*. Michigan State University State and Tribal Capacity Building on Forest Carbon Webinar Series. Online. March 21.
5. D'Amato A, **Kosiba AM**, Perry S. 2024. *Vermont's Forests*. The Nature Conservancy Board of Directors. Huntington, VT. February 22.

6. Sherman A, Moomaw W, Rooney-Varga J, **Kosiba AM**. 2023. *McNeil Symposium*. Burlington City Council. June 13.
7. **Kosiba AM**, Kondo M, Duclos T. 2023. *Forests as Solutions to Climate Change, Biodiversity, and Well-being*. Forest Ecosystem Monitoring Cooperative Annual Meeting. Burlington, VT. December 17.
8. **Kosiba AM**, Cannella M. 2023. *Maple Industry Discussion*. Vermont Maple Conference. Randolph, VT. January 9.
9. Domke G, Fernandez I, **Kosiba AM**, MacFarlane D, and Pokharel R. 2022. *Expert Panel on Forest Carbon Data and Modeling Integration and Evaluation*. Michigan State University Forests, Climate and Carbon Program. Online. September 13.

OUTREACH WORKSHOPS

1. Levesque C, Roberge S, **Kosiba AM**, D'Amato A. 2024. *Climate Adaptation and Carbon Module*. Northeastern Silviculture Institute. Randolph, VT. October 16-17.
2. Levesque C, Roberge S, **Kosiba AM**, D'Amato A. 2023. *Climate Adaptation and Carbon Module*. Northeastern Silviculture Institute. Gardner, MA. October 11-12.
3. Fitch A, Legge E, Hicks Pries C, **Kosiba AM**, D'Amato A. 2023. *Mycorrhizal Fungi in Northeastern Forest Ecosystems*. Dartmouth College and the University of Vermont. Burlington, VT. June 6.
4. **Kosiba AM**. 2023. *Climate Resilient Forest Management for Forest Professionals*. Loggers' Education to Advance Professionalism (LEAP). Essex, VT. May 31.
5. **Kosiba AM**. 2023. *Climate Resilient Forest Management for Forest Professionals*. Loggers' Education to Advance Professionalism (LEAP). Tinmouth, VT. May 22.
6. Jaquith S, Machin B, Wilcox D, **Kosiba AM**. 2022. *Rehabilitating Streams with Strategic Woody Addition*. Green Mountain Division of the Society of American Foresters Summer Meeting and Workshop. Jamaica, VT. September 9.
7. D'Amato A, Catanzaro P, Thompson E, Thompson K, **Kosiba AM**, Littlefield C. 2022. *Managing for Old Growth Characteristics Field Workshop for Foresters*. Vermont Land Trust. Greensboro, VT. August 15.

OUTREACH WOODS TOURS

1. **Kosiba AM** and Moreno C. 2024. *Carbon and Climate Focused Management at Doe Farm*. Durham Conservation Commission and UNH Extension. Durham, NH. November 20.
2. **Kosiba AM** and Thompson A. 2024. *Forest Ecology and Management at Trapps*. Joint Meeting of Northeastern and Southern Mensurationists (NEMO & SOMENS). Stowe, VT. November 5.
3. **Kosiba AM**. 2024. *Decision Making for Forest Health*. Vermont Coverts. October 19. Wolcott, VT
4. **Kosiba AM**, Langlais M. 2024. *Managing Forests for Climate Resilience at Willey Woods Town Forest*. Vermont Department of Forests, Parks and Recreation. West Burke, VT. October 5.

5. Seymour R, **Kosiba AM**. 2024. *Ecological Silviculture in Wicopy Woods*. UMaine School of Forest Resources, Forest Stewards Guild. Milo, ME. August 3.
6. Hodgson S, Cammack W, **Kosiba AM**, Fernandez M, Giroux M. 2024. UVM Extension. *Forest Farming: A Climate Smart Practice*. Danby, VT. June 13.
7. Tapper JE, **Kosiba AM**, Wilke J. 2024. *Managing Multi-use Public Lands, Adaptive Silviculture at the Hinesburg Town Forest*. New England Society of American Forester's Winter Conference. Hinesburg, VT. March 29.
8. **Kosiba AM**. 2023. *Carbon and Climate Sugarbush Tour*. Vermont Maple Association. Johnson, VT. October 17.
9. **Kosiba AM**, Tapper E. 2023. *Managing Catamount Community Forest for Climate Resilience*. Vermont Woodlands Association. Willison, VT. October 3.
10. Hodgson S, **Kosiba AM**, Alvez J. 2023. *Meach Cove Farm Forest Tour*. UVM Extension. Shelburne, VT. June 13.
11. **Kosiba AM**. 2023. *12 Steps to Climate Resilience: Managing Your Forest with Climate Change in Mind*. Vermont Coverts. Wolcott, VT. May 20.
12. **Kosiba AM**. 2023. *12 Steps to Climate Resilience: Managing Your Forest with Climate Change in Mind*. Vermont Coverts. Darby, VT. April 22.
13. **Kosiba AM**. 2022. *12 Steps for Climate Resilience: Managing Your Forest with Climate Change in Mind*. Vermont Woodland Association. Wolcott, VT. April 22.
14. Follensbee AJ, Kosiba AM. 2022. *Forest management and carbon in the Hartford Town Forest*. Vermont Department of Forests, Parks and Recreation. Hartford, VT. September 21.

OUTREACH STORYMAPS

1. *Stories of Forest Climate Adaptation: Highlighting the stories of Vermonters dedicated to improving forest resilience in the face of global change.* <https://arcg.is/15WDff0>

OUTREACH VIDEOS

1. *Foxglove Farm: Sugaring and Climate Resilience on their Educational Homestead.* Stories of Forest Climate Adaptation. UVM Extension. September 15, 2024.
2. *Managing UVM's Woodlands: Jess Wilke's Research and Vision.* Stories of Forest Climate Adaptation. UVM Extension. August 20, 2024.
3. *Managing a Climate Resilient Forest at Jocky Hill Farm.* Stories of Forest Climate Adaptation. UVM Extension. August 20, 2024.
4. *Enhancing Biodiversity in a Private Woodland.* Stories of Forest Climate Adaptation. UVM Extension. August 12, 2024.
5. *Seeing the Forest for the Trees: Vermont's Working Landscape and Forest Economy.* Vermont Forest Products Association. February 22, 2024.
<https://www.youtube.com/watch?v=gNK4yD9gibY>

6. *Why do Leaves Change Color in the Fall?* Northeast Nature. But Why: Adventures. November 8, 2023.
7. *There's One Thing About Fall Colors Scientists Can't Explain.* PBS Terra. November 12, 2020. <https://www.youtube.com/watch?v=mPbU2Xqll0E>

MEDIA INTERVIEWS

1. *Forest Carbon.* Common Sense Radio, WDEV. December 19, 2024.
2. *Can Logging in New Hampshire Help Fight Climate Change?* The Boston Globe. October 26, 2024.
3. *La vie secrète des arbres: la théorie s'effondre (The Secret Life of Trees: Theory Collapses),* Epsilon. November 20, 2024. https://www.epsilon.com/tous-les-numeros/n42/la_vie_secrete_des_arbres
4. *The Overlooked Benefits of Real Christmas Trees.* BBC. 13 December 1, 2024.
5. *Fall Foliage Update.* WCAX. October 25, 2024.
6. *Leaf Peeping: the 2024 Foliage Report.* Across the Fence. October 10, 2024. <https://www.youtube.com/watch?v=Szx6lsmZEd0&t=586s>
7. *Forest Carbon.* Common Sense Radio, WDEV. September 30, 2024.
8. *How Wet Weather Affects Fall Foliage,* Mountain Times. September 26, 2024. <https://mountaintimes.info/2024/09/26/how-wet-weather-affects-fall-foliage/>
9. *Rural New England Counts on Foliage Tourism, but the Future of Fall Colors Is Uncertain.* The Daily Yonder. August 30, 2024.
10. *Forest Carbon.* Common Sense Radio, WDEV, July 10, 2024.
11. *State Parks Special.* Vermont this Week, Vermont Public Television. July 5, 2024. <https://www.pbs.org/video/july-5-2024-vrcqiq/>
12. *Seeing the Forest for the Trees: Vermont's Working Landscape and Forest Economy.* Vermont Forest Products Association. February 22, 2024. <https://www.youtube.com/watch?v=gNK4yD9gibY>
13. *Carbon Sequestration and Climate Resilience in Sugarbushes.* Across the Fence. February 15, 2024. <https://www.youtube.com/watch?v=tG6jYCVbknw&t=5s>
14. *Forest Carbon and Climate Change.* Common Sense Radio, WDEV. January 25, 2024.
15. *High Winds and Trees.* ABC 22/FOX 44. January 12, 2024.
16. *Saving Vermont's Hemlock.* Across the Fence. December 12, 2023. https://www.youtube.com/watch?v=i-yvzaqoX_0
17. *How Extreme Weather Impacts Fall Foliage.* University of Vermont. November 25, 2023. <https://phys.org/news/2023-09-qa-extreme-weather-impacts-fall.html>
18. *Why You Might Be Seeing Spring Blossoms in October.* WCAX. October 8, 2023. <https://www.wcax.com/2023/10/08/why-you-might-be-seeing-spring-blossoms-october/>
19. *Fall Foliage and Weather.* WCAX. October 5, 2023.
20. *Why is the Foliage Late?* NBC5. September 12, 2023.

21. *Conservation of Hemlock Trees in Vermont*. Across the Fence. August 9, 2023.
<https://www.youtube.com/watch?v=vzdDySoMDkl>
22. *Spring Freeze Event*. Vermont Public Radio. June 21, 2023.
23. *Devastation From Hemlock Woolly Adelgid in Vermont*. Across the Fence. June 13, 2023.
<https://www.youtube.com/watch?v=4i9RnGvs21s&t=443s>
24. *Later frosts spell trouble for wreath makers. Some say more research could help them adapt*. Vermont Public. December 24, 2022. Available at: <https://www.vermontpublic.org/local-news/2022-12-24/later-frosts-spell-trouble-for-wreath-makers-some-say-more-research-could-help-them-adapt>
25. *A Conversation with UVM Extension Forestry Specialist Ali Kosiba*. Across the Fence. December 12, 2023. <https://www.youtube.com/watch?v=IWWekitblgw>
26. *The Overlooked Benefits of Real Christmas Trees*. BBC. December 13, 2022.
<https://www.bbc.com/future/article/20221213-why-christmas-trees-may-be-good-for-the-environment>
27. *Forest Carbon*. GreenZine. Royalton Radio. November 8, 2022.
28. *Fall is here. Is climate change muting Vermont's foliage?* Vermont Edition. September 22, 2022. <https://www.vermontpublic.org/show/vermont-edition/2022-09-22/fall-is-here-is-climate-change-muting-vermonts-foliage>
29. *Northeast Climate Program helps forest landowners secure carbon*. Inside the FS. July 20, 2022. <https://www.fs.usda.gov/inside-fs/delivering-mission/sustain/northeast-climate-program-helps-forest-landowners-secure>
30. *Into the Woods: Getting to Know Trees from The Roots on Up*. Vermont Edition, Vermont Public Radio. July 3, 2019. <https://www.vpr.org/post/woods-getting-know-trees-roots#stream/0>
31. *Alexandra Kosiba, University of Vermont – The Rebound of the Red Spruce*. Academic Minute. November 30, 2018. academicminute.org/2018/11/alexandra-kosiba-university-of-vermont-the-rebound-of-the-red-spruce/
32. *Resurgence of Red Spruce*. Across the Fence, WCAX. September 4, 2019.
<https://www.youtube.com/watch?v=QQwfJHOFmH0>
33. *Pollution Controls Help Red Spruce Rebound from Acid Rain*. Lisa Rathke, Associated Press. July 11, 2018
34. *Featured in:* Miami Herald, Houston Chronicle, Charlotte Observer, Sacramento Bee, Charleston Gazette-Mail, San Francisco Chronicle, Washington Times, Washington Post, Vancouver Sun, Christian Science Monitor, ABC News, Albany Democrat-Herald, Burlington Free Press, and Montpelier Times-Argus
35. *Study Shows Red Spruce Trees in New England Are Recovering After Decades of Damage*. Michel Martin, All Things Considered, National Public Radio. July 14, 2018
36. *UVM Study: Spruce Trees Are Recovering from Acid Rain, Years After Tighter Pollution Controls*. John Dillon, Vermont Public Radio. June 12, 2018
37. *Red Spruce Rising*. Joe Herring, Northern Woodlands magazine. Winter 2016 (Issue 88)
38. *Is Climate Change to Thank for Dramatic Recovery of Acid Rain's 'Canary in The Coal Mine'?* Sam Evans-Brown, New Hampshire Public Radio. June 2, 2013
39. *Red spruce reviving in New England, but why?* USDA Forest Service. August 30, 2013

PODCASTS

1. *Red Spruce: How Climate Change Could Impact Nova Scotia's Provençal Tree*. The Sweaty Penguin. Episode 115. March 24, 2023. <https://thesweatypenguin.com/red-spruce-how-climate-change-could-impact-nova-scotias-provincial-tree>
2. *Carbon, What?!!* Silvicast. Season 3, Episode 5. June 30, 2022. <https://www.uwsp.edu/wfc/wisconsin-forestry-center/silvicast/season-3/carbon-what>

MENTORING

Undergraduate Student Advising

Year	Name	Major	Project
2020-2021	Jill Levine	Forestry	GIS technician, field data collection
2021	Dylan Thomas	Forestry	Field data collection
2024	Loden Croll	En Sci, Bio	GIS assessment of forest cover change
2024-2025	Elsa Daley	En Sci, Film	Forest science digital content

Graduate Student Advising

Year	Name	Role	Degree	Major
2022-2024	Evan Horne	Committee member	MS	Field Naturalist
	<i>A Resilience and Vulnerability Assessment of Mass Audubon Forests.</i>			
2022-Current	Tripp Whiting	Committee member	MS	NR
	<i>Nonstructural Carbohydrates as a Proxy for Adaptive Capacity and a Mechanism for Resilience in Northern Hardwood and Mixedwood Forests.</i>			
2024-Current	Alyssa van Horn	Committee member	MS	Field Naturalist
	<i>Old Forests of Vermont.</i>			
2023-Current	Stephen Peters-Collaer	Committee member	PhD	NR
	<i>Long-term Structural Dynamics in Northern Hardwood-Conifer Forests and Their Effects on Ecosystem Function.</i>			
2023-Current	Amanda Bunce	Dissertation Proposal Reviewer	PhD	NR (UConn)
	<i>Adaptive Forest Management in Southern New England: Strategies to Improve Climate Resilience in Exurban Socio-Environmental Forest Systems.</i>			

COURSES TAUGHT

- Dendrology, 4 credits (2017)
- Natural Resources Ecology and Assessment, 4 credits (2017)
- Tree Structure and Function, 3 credits (2014)

PROFESSIONAL SERVICE & LEADERSHIP

*elected #appointed

University Service

- Search Committee Chair – UVM Extension Forestry Outreach Coordinator (2025)
- Search Committee – UVM Extension Associate Director and Chair (2024)
- Search Committee – UVM Extension Professor of Agricultural Economics (2024)
- Search Committee – UVM Director of the Proctor Maple Research Center (2023-2024)
- Search Committee – UVM Watershed Forestry Coordinator (2023)

Local, National & International Service

- Steering Committee – Northeastern Old Growth Conference. Middlebury, VT (2024-2025)
- Outreach Committee – Northeastern Old Growth Conference. Middlebury, VT (2024-2025)
- Budget Committee – Northeastern Old Growth Conference. Middlebury, VT (2024-2025)
- Technical Reviewer – USFS *Greenhouse gas emissions and removals from forest land, woodlands, urban trees, and harvested wood products in the United States, 1990–2022* (2024)
- Plenary Organizer and Moderator – *Planning for an Uncertain Future: Challenges and Opportunities*, Society of American Foresters Annual Convention. Loveland, CO (2024)
- Moderator – New England Society of American Foresters Annual Conference (2024)
- #Program Committee – Society of American Foresters Annual Convention (2023-2024)
- Member – Northeast Extension Forest Resources Committee (2023- present)
- Technical Advisor – Vermont Forests, Parks and Recreation Use Value Appraisal manual update (2023)
- Collaborator – Northern Forest Adaptation Implementation project (NSRC) (2023-2024)
- Steering Committee – New England Society of American Foresters Annual Conference (2023-2024)
- Steering Committee – Vermont Town Forest Census project (2023-present)
- Search Committee – Climate Forester, Vermont Forests, Parks and Recreation (2023)
- Moderator – New England Society of American Foresters Annual Conference (2023)
- Climate Forestry Committee – Massachusetts Department of Conservation and Recreation (2023)
- #Board of Directors – New England Society of American Foresters (2023-present)
- #Forest Science Coordinator – New England Society of American Foresters (2023-present)
- #Member – Vermont Endangered Species Committee (2023-present)
- Executive Committee Immediate Past Chair – Green Mountain Division of the Society of American Foresters Executive Committee (2023-2024)
- Advisory Council – VT Center for Rural Development Ecosystem Services project (2022-2023)
- Advisory Committee – Vermont Conservation Design (2021-2023)
- Technical Advisor – Reserve Forestland Category of Use Value Appraisal, Vermont Forests, Parks and Recreation (2021-2023)
- Member – Vermont Assisted Migration working group (2022-2024)
- Conference Program Committee – New England Society of American Foresters (2022-2023)
- Educational Programming Committee – Vermont Woodlands Association (2022-2024)
- Coverts Council – Vermont Coverts: Woodlands for Wildlife (2022-present)
- *Executive Committee Chair – Green Mountain Division of the Society of American Foresters (2022-2023)
- Steering Committee – Vermont Conservation Design (2021-2023)
- Technical Advisor – Vermont Agency of Natural Resources (2021-2024)
- *Executive Committee Vice Chair – Green Mountain Division of the Society of American Foresters (2021-2022)
- Technical Advisor – Managing for Old Growth Characteristics (2022)

- Collaborator – Vermont Woodlands Association Climate Adaptation Grant (Open Space Institute) (2022)
- Technical advisor – Agriculture and Ecosystems subcommittee, Vermont Climate Council (2021-2023)
- Executive Committee – Sosyette pou Rebwaze Duchity, Haiti (Society for Reforestation of Duchity, Haiti) (2021-2024)
- Member – Vermont Forest Roundtable (2018-present)
- Member – Southern New England Forest Climate Adaptation Network (For CAN) (2018-present)
- Conservation Commission Vice Chair –Town of Bolton, Vermont (2013-2018)
- Moderator – Vermont Monitoring Cooperative Annual Meeting (2016)
- Forest Steward – Town of Bolton, Vermont (2016-2018)
- *Co-chair – UVM RSENR Fall Seminar Series (2015)
- Moderator – Vermont Monitoring Cooperative Annual Meeting (2015)
- Forest Pest Detector – Vermont Urban and Community Forestry (2014)
- Moderator – Vermont Monitoring Cooperative Annual Meeting (2014)
- Moderator – Vermont Monitoring Cooperative Annual Meeting (2013)
- Moderator – Vermont Monitoring Cooperative Annual Meeting (2012)

Journal Reviews

- Canadian Journal of Forest Resources
- Northeastern Naturalist
- Forest Ecology and Management
- Science of the Total Environment
- PeerJ
- Forests
- Silva Fennica
- Ecological Applications
- Southeastern Geographer
- Climate Risk Management
- Journal of Forestry

Book Reviews

- American Scientist

Grant Proposal Reviews

- National Science Foundation (2024)
- Farm and Forest Viability Program, Vermont Housing and Conservation Board (2023)
- National Science Centre Poland (2023)

PROFESSIONAL DEVELOPMENT

- *Climate Conversations* – Yes and Nature. Online course. January – February 2025.
- *Leadership Academy* – New England & Mid-Atlantic Society of American Foresters. Grey Towers, PA. November 15-17, 2023

HONORS & AWARDS

- Green Mountain Division of the Society of American Foresters Leadership Academy Nomination and Award (2023)
- Vermont Department of Forests, Parks and Recreation Merit Award (2021)
- Canadian Journal of Forest Resources Editor’s Choice Manuscript, September 2018 (Kosiba AM, et al. 2017)
- NFZ Summer School “FORESCALE” Award (2015)
- USDA McIntire-Stennis Ph.D. Research Assistantship (2012-2017)
- RSENR Distinguished Research and Scholarship Award (2015)
- Great Lakes National Scholar (2014)
- USDA McIntire-Stennis M.S. Research Assistantship (2009-2011)
- Tufts University Summer Scholar (2003)
- Philips Scholar (2000-2004)

PROFESSIONAL MEMBERSHIPS & LICENSES

- Vermont Licensed forester (2021-present)
- Society of American Foresters (2017-present)
- New England Society of American Foresters (2017-present)
- Green Mountain Division of the Society of American Foresters (2017-present)
- Forest Stewards Guild (2017-present)