NYBG

ALEX C. MCALVAY

New York Botanical Garden
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NYBG Profile
Personal Website

EDUCATION

2012-2017 **Ph.D., Botany**, University of Wisconsin-Madison.

Dissertation: Domestication, Invasion, and Ethnobotany of Brassica rapa

Supervisor: Dr. Eve Emshwiller.

2006-2010 **B.S., Biological Anthropology**, Western Washington University

PROFESSIONAL POSITIONS

2020-present Research Scientist I/Assistant Curator, Institute of Economic Botany, New

York Botanical Garden

2021-present Adjunct Associate Research Scientist, Ecology, Evolution, and Environmental

Biology, Columbia University, New York

2021-present Adjunct Professor, Doctoral Faculty, Graduate Center of the City University of

New York, New York

2019-2020 **Postdoctoral Research Associate**, Dr. Alison Power Lab, Cornell University

PUBLICATIONS

Peer-reviewed journal articles

- G. Mattalia; **McAlvay, AC**; Reyes-García, V; Asfaw, Z.; Ban, NC; Caviedes, J; De Meyer, E; Díaz, S; Franco, FM; Ibarra, JT; Loayza, G; Loring, PA; Lukawiecki, J; Montufar, R; Moola, F; Ojeda, J; Schunko, C; Uprety, Y; Wall, J; Zafra-Calvo, N; Teixidor-Toneu, I. Stewardship practices co-produce Nature's contributions to people. *Nature Sustainability. In review.*
- 2025 K.C. Sheban; Kuebbing, S.E.; Duguid, M.C.; Ashton, M.S.; **McAlvay, A.C.**; Munsell, J.F.; Orefice, J.; Bradford, M.A. Beyond Tree Planting: Keeping Forest Farming on the Agroforestry Agenda. *Nature Climate Change*. **In review.**
- I. Maurice-Hammond, **McAlvay A.C.**; Deur, D., Mathews, D.; Recalma-Clutesi, K.; and Sewid-Smith, Daisy. Estuarine root gardens and Indigenous soils: Enduring legacies of 'Namgis First Nation caretaking at the Gwa'ni/Nimpkish River estuary in British Columbia, Canada. *American Antiquities. In review.*

- 2025 K. Leonard; Gelfand, A; Jemison, G.P.; Smith, J.; Corwin, J., Gumbs, S.; Francis, A., Peters, J.; Rosenstein, G.; **McAlvay, A.C.** Indigenous Fire in New York. <u>Landkeeping</u> (edited volume). *In review.*
- S. Ramos Bierge, Carillo de la Cruz, T; **McAlvay, A.C.** Data sovereignty and community engagement at the intersection of language and ecological knowledge: Lessons from ethnobiology and linguistics. *Sociolinguistic Studies. In review.*
- A.C. McAlvay; Bye, R.; Linares, E; Nevares, A.; Xochitl Silvestre, P.; Enriquez Maldonado, D.; Ramos Bierge, S; Emshwiller, E. Genetic and phenotypic consequences of farmer management of feral *Brassica rapa* in Mexico. *Etnobiología. 22*(3).
- 2024 Mattalia, G., **McAlvay, A.C.**, Teixidor-Toneu, I., Lukawiecki, J., Moola, F., Asfaw, Z., Cámara-Leret, R., Díaz, S., Franco, F.M., Halpern, B.S. and O'Hara, C. Cultural keystone species as a tool for biocultural stewardship. A global review. *People and Nature*.
- A. Fernández-Llamazares; Teixidor-Toneu, I.; Armstrong, C.G.; Caviedes, J.; Ibarra, J.T.; Lepofsky, D.; **McAlvay**, **A.C.**; Molnár, Z.; Moraes, M.; Odonne, G.; Poe, M.R.; Bahraman, A.S.; Turner, N.J. The global relevance of locally grounded ethnobiology. *Journal of Ethnobiology and Ethnomedicine*. 20(1), p.53.
- Harkess, A.E., I.A. Al-Shehbaz, E.H. Roalson, G.J. King, M.A. Koch, M.A. Lysak, K. Mummenhoff, S. Bhattacharya, L.A. Nikolov, I.J. Leitch, D.J. Murphy, W.J. Baker, F. Lens, J.C. Hall, R.L. Barrett, K.P. Hendriks, M.S. Barker, M.T.W. McKibben, A.C. McAlvay, J.G. Conran, Y. Hao, G.C. Conant, M.E. Mabry, M. Dassanayake, S. Barak, M.E. Shranz, A. Beric, R.S. Abrahams, M. Pisias, S.K. Thomas, Q. Yu, S.B. Carey, F. Mercati. Complementing model species with model orders. *The Plant Cell*. koad260 p. 1-22
- 2023 I. Maurice-Hammond; **McAlvay, A.**; Mathews, D.; Bosman, A.; Morris, J. A ləkwəŋən estuarine root garden: The case of Tl'chés. *Economic Botany*. 77, 410-432
- 2023 C.G. Armstrong; Lepofsky, D.; **McAlvay, A.C.**; Leonard, K.; Richie, M.; Lyons, N.; Blake, M. Reply to Oswald: Scale in Studies of Pre-Colonial Forests. *Ecosystems and People.* 19:1.
- J.R. Wall; Lukawiecki, J; Young, R.; Powell, L.; **McAlvay, A.C.**; Moola, F. Operationalizing the Biocultural Perspective Part II. A Review of Biocultural Action Principles since The Declaration of Belém. *Environmental Science and Policy*. 150
- M.E. Mabry; Bagavathiannan, M.V.; Bullock, J.M.; Wang, H.; Caicedo, A.L.; Dabney, C.J.; Drummond, E.B.M; Frawley, E.; Gressel, J.; Husband, B.C.; Lawton-Rauh, A.; Maggioni, L.; Olsen, K.M.; Pandolfo, C.; Pires, J.C.; Pisias, M.T.; Razifard, H.; Soltis, D.E.; Soltis, P.S.; Tillería, S; Ureta, S.; Warschefsky, E.; McAlvay, A.C. Open questions in crop ferality: where are we coming from and where are we going? *Plants People Planet.* 5(2).
- 2023 C.G. Armstrong; Lyons, N.; **McAlvay, A.C.**; Richie, M.; Lepofsky, D.; Blake, M. Historical Ecology of Forest Garden Management in Ts'msyen Lahkhyuup and Beyond. *Ecosystems and People*. 19(1), 2160823.

- 2022 **A.C. McAlvay**; DiPaola, A; D'Andrea, A.C.; Ruelle, M.; Mosulishvili, M.; Halstead, P.; Power, A.G.. Cereal species mixtures: an ancient practice with potential for climate resilience. A review. *Agronomy for Sustainable Development.* 42(5), pp. 1-17.
- 2022 M.T. Pisias, Bakala, S., **McAlvay, A.C.,** Mabry, M.E., Birchler, J.A., Yang, B., Pires, J.C. Prospects of Feral Crop De Novo Re-Domestication. *Plant and Cell Physiology*. pcac072. https://doi.org/10.1093/pcp/pcac072
- 2022 C.G. Armstrong; Earnshaw, J.; and **McAlvay, A.C.** 2022. Coupled archaeological and ecological analyses reveal ancient cultivation and land-use in Nuchatlaht (Nuu-chahnulth) Territories, in the Pacific Northwest of North America. *Journal of Archaeological Science*. 143, 105611. https://doi.org/10.1016/j.jas.2022.105611
- Andualem, A.; T. Legesse; A. Nebiyu; A. Dejen; F. Hailu; Z. Asfaw; M. Ruelle; **A.C. McAlvay;** A.G. Power; A. Tesfaye. Diversity, use and production of farmers' varieties of common bean (*Phaseolus vulgaris* L., Fabaceae) in southwestern and northeastern Ethiopia. *Agroecology and Sustainable Food Systems*. 67, 339–356.
- 2021 McAlvay, A.C.; C.G. Armstrong; J. Baker.; L. Black Elk; S. Bosco; N. Hanazaki; L. Joseph; T. Martínez; M. Nesbitt; M. Palmer; APW.C. Priprá de Almeida; J. Anderson; Z. Asfaw; I. Borokini; E.J. Cano-Contreras; S. Hoyte; M. Hudson; A. Ladio; G. Odonne; S. Peter; J. Wall; S. Wolverton; I. Vandebroek. Decolonizing institutions, projects, and scholarship in ethnobiology. *Journal of Ethnobiology*. 41(2), pp. 170-191
- Poveda, J.; P. Velasco; A. de Haro; T.J. Johansen; **A.C. McAlvay**; C. Mollers; J. Mölmann; E. Ordiales; V.M. Rodríguez. Modification of agronomic and metabolomic parameters in *Brassica oleracea* var. *acephala* divergent selection populations for glucobrassicin content in different environments. *Metabolites*. 11(6), 384.
- Mabry, M.E.; S.D. Turner-Hissong, E.Y Gallagher, A.C. McAlvay, H. An, P.P. Edger, J.D. Moore, D.A.C. Pink, G.R. Teakle, C.J. Stevens, G. Barker, J. Labate, D.Q. Fuller, R.G. Allaby, T. Beissinger, J.E. Decker, M.A. Gore, J.C. Pires. The Evolutionary History of Wild, Domesticated, and Feral Brassica oleracea (Brassicaceae). Molecular Biology and Evolution. msab183
- 2021 **McAlvay, A.C.**; A.P. Ragsdale; X. Qi; K. Bird; P. Velasco; A. Hong; M. Mabry; J.C. Pires; E. Emshwiller. *Brassica rapa* domestication: untangling wild and feral forms and multiple origins of crop morphotypes. *Molecular Biology and Evolution*. msab108
- 2021 Armstrong, C.G.; J. Miller; A.C. McAlvay; M. Richie; D. Lepofsky. 2021. Functional traits and biodiversity reflect Indigenous Peoples' Land-Use Legacies in Pacific Northwest Archaeological sites. Ecology and Society. 26(2), Art. 6
- 2019 Reyes-García, V., D. García-del-Amo, P. Benyei, Á Fernández-Llamazares, K. Gravani, A.B. Junqueira, V. Labeyrie, X. Li., D.M. Matias, **A.C. McAlvay** and P.G. Mortyn, A collaborative approach to bring insights from local observations of climate change impacts into global climate change research. *Current Opinion in Environmental Sustainability*, 39, pp.1-8.
- 2019 Armstrong, C.G. and **A.C. McAlvay**. Introduction to Special Section on Action Ethnobiology. *Journal of Ethnobiology*, 39(1), pp.3-13.

- 2019 Golan, J. and **A.C. McAlvay**. Intellectual Property and Ethnobiology: An Update on Posey's Call to Action. *Journal of Ethnobiology*, 39(1), pp.90-109.
- 2019 Abera, B., M. Berhane, A. Nebiyu., M.L. Ruelle, **A.C. McAlvay**, Z. Asfaw, A. Tesfaye, Z. Woldu. Diversity, use and production of farmers' varieties of common bean (*Phaseolus vulgaris* L., Fabaceae) in southwestern and northeastern Ethiopia. *Genetic Resources and Crop Evolution*, 67:339-356.
- 2019 An, H., X. Qi, M.L. Gaynor, Y. Hao, S.C. Gebken, M.E. Mabry, **A.C. McAlvay**, G.R. Teakle, G.C. Conant, M.S. Barker, and T. Fu. Transcriptome and organellar sequencing highlights the complex origin and diversification of allotetraploid *Brassica napus*. *Nature communications*, 10(1), p.2878.
- 2017 **McAlvay, A.C.**; K. Bird; J.C. Pires; E. Emshwiller. Barriers and prospects for crop wild relative conservation in *Brassica rapa*. *Acta Horticulturae*. 1202 pp. 165-177.
- 2017 Armstrong, C.G.; A.C. Shoemaker; I. McKechnie; A. Ekblom; P. Szabó; P.J. Lane; A.C. McAlvay; O.J. Boles; S. Walshaw; N. Petek; K.S. Gibbons; E.Q. Morales; E.N. Anderson; A. Ibragimow; G. Podruczny; J.C. Vamosi; T. Marks-Block; J.K. LeCompte; S. Awâsis; C. Nabess; P. Sinclair; C.L. Crumley. Anthropological contributions to historical ecology: 50 questions, infinite prospects. PLoS ONE 12:2.

Unrefereed publications

- 2024 Petriello, M.A. & 36 Contributors [Including **A.C. McAlvay**]. Good practices in the coproduction of knowledge: Working well together in the climate sciences. Center for Science and Society & Lamont-Doherty Earth Observatory, Columbia University. 102pp. *Columbia Academic Commons*
- 2021 **McAlvay, AC.** Book review: Plants, People, and Places: The roles of ethnobotany and ethnoecology in Indigenous Peoples' land rights in Canada and beyond. Edited by Nancy Turner. 2020. McGill-Queen's, Montreal. 480 pp. *Herbalgram*
- 2020 Lepofsky, D.; **A.C. McAlvay**; C.G. Armstrong; J. Miller; K. Lertzman. Re-evaluating "Conservation Implications of Native American Impacts." *EcoEvoArx. Preprint*
- 2017 **McAlvay, AC.** Book review: Plants and Health New Perspectives on the Health-Environment- Plant Nexus. Edited by Elizabeth Anne Olson and John Richard Stepp. 2016. Springer, Switzerland. 175 pp. *Ethnobiology Letters*.
- 2013 **McAlvay, A.C.** and Y. Chen. 2013. <u>Handbook of Sidama Traditional Medicinal Plants</u>. University of Wisconsin Department of Surgery.

GRANTS AND AWARDS

- \$18,860, Indigenous Data Sovereignty and Ethnobotany | Social Sciences and Humanities Research Council Partnership Engage Grant (Canada), Co-PI.
- **\$499,121**, Rockefeller Periodic Table of Food Initiative | Rockefeller Foundation | Investigating underutilized traditional crop mixtures for nutritional yield, climate resilience, and soil regeneration | PI.

- \$75,000, Earthlab Innovation Grant | University of Washington Earthlab | Cultural Ecosystems in a changing world: building a network across the Northwest to support food sovereignty, climate adaptation, and land rights | Participant and coauthor
- \$19,972, Level I Funding | National Geographic | Collaborative Ethnobotanical and Floristic Investigation of the Long Island Shinnecock | PI
- 2021 \$418,415, Dynamic Language Infrastructure/Documenting Endangered Languages | National Science Foundation (NSF)/National Endowment for the Humanities (NEH). The Language of Land and Life: Connecting Language and Ecology in Wixárika | PI
- 2020 Sequencing of 20 reference genomes, Equivalent value ~\$1,000,000. The Brassicales Genome Initiative, Joint Genome Initiative, Department of Energy (PI: Alex Harkess) | Participant
- 2019 **\$10,000**, Engaged Cornell Fund Supplement for Undergraduate Training, Cornell University.
- 2019 **\$162,000**, Academic Venture Fund, Cornell University Atkinson Center for a Sustainable Future | Cereal mixtures for Climate Resilience.
- 2017 **1 semester of graduate student support**, EK and ON Allen Fellowship, UW-Madison Dept. of Botany.
- 2016 \$19,862, Doctoral Dissertation Improvement Grant | NSF
- 2016 \$800, Student Travel Award, Society for Economic Botany.
- **\$2500**, CHE Graduate Student Research and Travel Grant, UW-Madison Center for Culture, History, and Environment.
- 2015 **\$4000**, Davis Research Support, UW-Madison Dept. of Botany.
- 2015 \$2500, Iltis Field Travel Support, UW-Madison Dept. of Botany.
- 2015 \$1500, Davis Field Travel Support, UW-Madison Dept. of Botany.
- 2015 **\$4000**, Newcomb Summer Fellowship | UW-Madison Dept. of Botany.
- 2013 \$4000, Davis Research Support, UW-Madison Dept. of Botany.
- **\$2000**, Nave Research Award, UW-Madison Latin American, Caribbean and Iberian Studies Program.
- **\$5000**, Foreign Language and Area Studies Fellowship for Kazakh, Center for Russia, East Europe, and Central Asia.
- 2012 \$1000, Biological Scholars Award, UW-Madison.
- 2011 \$1500, Henry G. Schwarz Mongolian Studies Scholarship, WWU.
- 2010 \$250, Undergraduate Ethnobiologist of the Year Award, Society of Ethnobiology.
- 2006 \$2000, Presidential Scholarship, WWU.

PRESENTATIONS

Invited Seminars/Presentations

2024 **McAlvay, A.C.** Remembering Resilience: Drawing on Traditional Agricultural Practices to Climate-Proof Our Crops | Invited seminar presentation | *Columbia University, Ecology, Evolution, and Environmental Biology* | New York, USA

- **McAlvay, A.C**. Remembering resilience: supporting and revitalizing traditional mixed grain cropping in Ethiopia for climate tolerance | Seminar presentation | *New York Botanical Garden* | New York, USA
- **McAlvay, A.C.** Remembering Resilience: Drawing on Traditional Agricultural Practices to Climate-Proof Our Staple Crops | Invited seminar presentation | *University of Vermont Department of Crop and Soil Science* | Burlington, Vermont, USA
- **McAlvay, A.C.** Remembering Resilience: Drawing on Traditional Agricultural Practices to Climate-Proof Our Staple Crops | Invited seminar presentation | *Maine Grains Alliance*. Unity, Maine, USA.
- **McAlvay, A.C.** Remembering Resilience: Drawing on Traditional Agricultural Practices to Climate-Proof Our Staple Crops | Invited seminar presentation | *Columbia University Center for Archaeology*. New York, USA
- 2024 McAlvay, A.C. Remembering Resilience: Drawing on Traditional Agricultural Practices to Climate-Proof Our Staple Crops | Invited seminar presentation | Colorado State University Department of Soil and Crop Sciences and Department of Horticulture. Fort Collins, Colorado.
- **McAlvay, A.C.** Investigating Underutilized Traditional Crop Mixtures for Climate Resilience, Nutritional Yield, and Soil Regeneration | Rockefeller Foundation Periodic Table of Food Initiative Sandbox Webinar Series | *Rockefeller Foundation* | New York, USA.
- 2022 McAlvay, A.C. Climate change and storytelling | Printed Matter | New York, USA.
- McAlvay, A.C. Ecological and evolutionary impacts of traditional and Indigenous plant management | E3B Research Seminar Series, *Columbia University*, New York, USA.
- **McAlvay, A.C.** Traditional farming and crop diversity for a more resilient future | Climate Week Seminar Series | *New York Botanical Garden*, New York, USA.
- **McAlvay, A.C.** Decolonizing Ethnobiology | Interactive Laboratory in Ethnobotany, at the *National Museum of the Federal University of Rio de Janeiro*, Rio de Janeiro, Brazil.
- **McAlvay, A.C.** Traditional Plant Management as Resource Sovereignty | Global Ethnobotany Research Webinar Series | *Centre for Conservation of Natural Resources*, Bangalore, India.
- **McAlvay, A.C.** Ethnoecology and traditional resource and environmental management | Department of Anthropology, *Axum University*, Axum, Ethiopia.
- **McAlvay, A.C.** Cultural keystone plant species | Department of Plant Biology and Biodiversity Management, *Addis Ababa University*, Addis Ababa, Ethiopia.
- **McAlvay, A.C.** Sidama Traditional Medicinal Plants: An ethnobotanical study from southwestern Ethiopia | Department of Surgery Seminar Series, *University of Wisconsin-Madison*, Madison, United States.

Conference presentations

McAlvay, A.C. Ethnobotany in service of food, land, and data sovereignty: examples and barriers. *International Botanical Congress* | Madrid, Spain.

- **McAlvay, A.C.** The language of land and life: importing data sovereignty lessons and tools from linguistics into ethnobiology. *International Botanical Congress* | Madrid, Spain.
- **McAlvay, A.C**. Remembering resilience: supporting and revitalizing traditional mixed grain cropping in Ethiopia for climate tolerance. *Botanical Society of America/Society for Ethnobotany*. Grand Rapids, MI.
- **McAlvay, A.C.** Remembering resilience: supporting and revitalizing traditional mixed grain cropping in Ethiopia for climate tolerance. *International Society of Ethnobiology*, Marrakesh, Morocco.
- **McAlvay, A.C.** Grain mixtures for dietary diversity, climate resilience, and soil regeneration. *Periodic Table of Food Initiative Launch*, New York, USA.
- **McAlvay, A.C.** Remembering resilience: supporting and revitalizing traditional mixed grain cropping in Ethiopia and the Republic of Georgia for climate tolerance. *Society of Ethnobiology*, St. Louis, MO, USA.
- **McAlvay, A.C.**; Pace, M.; Walker, K. Collaborative Ethnobotanical and Floristic Investigation of the Long Island Shinnecock Nation. *Samples with Consequences*. New York, USA.
- **McAlvay, A.C.** Investigating underutilized traditional crop mixtures for nutritional yield, climate resilience, and soil regeneration. *American Society of Agronomy, Crop Science Society of America, and Soil Science Society of America International Annual Meeting.* St. Louis, MO, USA.
- 2022 McAlvay, A.C. Pacific Northwest Cultural Ecosystems. Lightning Talk. Northeast Regional Meetup of the Society for Economic Botany and International Society of Ethnobiology. New York, NY, USA.
- **McAlvay, A.C.** Data Sovereignty and Labeling Tools in Ethnobotany. Preconference Workshop. *Society for Economic Botany* and *International Society of Ethnobiology*. Virtual
- **McAlvay, A.C.** and T. Adams Food programs at The New York Botanical Garden. Agriculture, food Systems and the future of food in botanic gardens. Food and Agriculture Community Townhall. *American Public Gardens Association*. Virtual
- **McAlvay, A.C.** Reconstructing the dedomestication and invasion history of field mustard (*Brassica rapa*). *Botanical Society of America*. 2021: Virtual.
- **McAlvay, A.C.** Use, management, and potential climate resilience of traditional wheat and barley seed mixtures in Ethiopian highland agriculture. *Society of Ethnobiology*. 2021: Virtual.
- **McAlvay, A.C.** Ethics and Advocacy Organizing Equity and Decolonizing Ethnobiology. Royal Anthropological Institute Anthropology and Conservation Conference. Workshop panel. 2021: Virtual.
- **McAlvay, A.C.** Wixárika ethnobotany and land rights. *Arts to Research Universities Conference*. 2020: Madison, WI, USA.
- **McAlvay, A.C.** Toward a united literature on traditional resource and environmental management: implications for resource sovereignty and understanding human subsistence. *Society of Ethnobiology* 2019: Vancouver, BC, Canada.

- **McAlvay, A.C.;** A. Ragsdale, X. Qi, K. Bird, P. Velasco, J.C. Pires, and E. Emshwiller. Out of Turnips: Reconstructing the domestication history of *Brassica rapa* crops in Eurasia. *Joint meeting of the Society of Ethnobiology and Society for Economic Botany*. 2018: Madison, WI, USA.
- 2018 McAlvay, A.C.; A. Ragsdale, X. Qi, K. Bird, P. Velasco, J.C. Pires, and E. Emshwiller. Domestication and ferality of *Brassica rapa* clarified through genotyping-by-sequencing. *Botanical Society of America*. 2018: Rochester, MN, USA.
- **McAlvay, A.C.** Barriers, resources, questions: Moving forward as an advocate-academic | Paper presented at the 40th *Society of Ethnobiology* Meeting, Montreal, QC, Canada.
- **McAlvay, A.C.** Trained peer-review to improve writing and feedback quality | *Center for the Integration of Research, Teaching and Learning* | All-Network Teaching As Research Conference.
- **McAlvay, A.C.** "We have always grown it" forming relationships with an invasive weed in Mexico | Paper presented at the *Culture, History, and Environment Graduate Student Symposium*, Madison WI, United States.
- **McAlvay, A.C.**; R. Bye, E. Emshwiller. Redomestication of feral turnips in Mexico: phenotypic and genotypic evidence. *Society of Economic Botany*. 2017: Bragança, Portugal.
- **McAlvay, A.C.**; K. Bird, C. Pires, E. Emshwiller. Weedy and wild *Brassica rapa* worldwide: origins, relationships, and a surprising pool of diversity. *Brassica 2017*: Pontevedra, Spain.
- **McAlvay, A.C**. Ethnobotany and resource sovereignty in Mexico | Paper presented at Academic Forum of *Wirikuta Weekend: Celebrating Indigenous Cultural Survival*, Austin TX, United States.
- **McAlvay, A.C.**; I. Neubauer; C.G. Armstrong; J. Miller; E. Emshwiller. Beyond the foraging- farming continuum: modeling the diversity of human subsistence in multiple dimensions | Paper presented at the 39th *Society of Ethnobiology* Meeting, Tucson AZ, United States.
- **McAlvay, A.C.**; E. Emshwiller. Adopting and Adapting: Local Use and Management of Invasive *nabitos* (*Brassica rapa* L.) in Mexico and Consequences for their Evolution | Paper presented at the 2nd *New International Community for Historical Ecology meeting*, Vancouver, British Columbia, United States.
- **McAlvay, A.C.;** R. Pierotti; E. Emshwiller. The many faces of anthropogenic evolution: reconciling isolated lines of research on human-induced selection under the banner of ethnobiology | Paper presented at the 38th *Society of Ethnobiology* meeting, Santa Barbara CA, United States.
- **McAlvay, A.C.**; R. Bye; E. Emshwiller. Evolutionary consequences of traditional plant management of weedy field mustard in Mexico | Paper presented at the 38th *Society of Ethnobiology* Meeting, Santa Barbara CA, United States.

Poster presentations

2016 McAlvay, A.C.; Y. Chen; H. Busse; G. Tefera. Healthcare access and traditional

- medicine among the Sidama of Ethiopia | Poster presented at the *Wisconsin Medicinal Plant Symposium*, Madison WI, United State.
- 2014 **McAlvay, A.C.**; E. Emshwiller. Traditional non-crop management of the Wixáritari (Huichol) of western Mexico | Poster presented at the 37th *Society of Ethnobiology Meeting*, Cherokee NC, United States.
- 2014 **McAlvay, A.C.**; Y. Chen; H. Busse; G. Tefera. Healthcare access and traditional medicine among the Sidama of Ethiopia | Poster presented at the *University of Wisconsin-Madison Department of Surgery Research Summit*, Madison WI, United States.

Consulting and advisory roles

- 2024 **Shinnecock Nation**: Working with the Center for Braiding Indigenous Knowledges and Science on ethnobotanical projects with the Shinnecock Nation.
- 2024 **Meadows and More:** Advisor for wild edible plant harvesting business.
- 2023-2024 **Periodic Table of Food Initiative:** Advising on development of a regenerative agriculture module for the online platform to allow integration of farming data with food composition/nutritional data.
- Regen10 Experts Network: Serving as one of 15 Experts for Regen10, a multinational initiative emerging from COP26 seeking to scale up regenerative agriculture and feed the majority of the world's people sustainably by the end of the decade. The initiative will work with 500 million farmers and leverage \$60 billion per year. The Experts Network will provide technical advice and guidance as Regen10 refines and launches a Regenerative Outcomes Framework.

Policy participation

- 2023 **Policy report**: K. Morgan; McAlvay, A.C.; de la Parra, J. 2023. Legume-Based Agroecology for African Nutrition Security. FAO Agroecological Knowledge Hub. <u>Link</u>.
- 2023 **Input submitted**: Tata Cornell Institute for Agriculture and Nutrition policy brief on Promoting Millets in the Public Distribution System.
- 2022 **Input submitted**, UN Human Rights report on Indigenous Women, Traditional and Scientific Knowledge for presentation at the UN Human Rights Council.
- 2022 **Input submitted**, Indigenous Tribal Consultation and Public Input Opportunities on Indigenous Traditional Ecological Knowledge in Federal Policy, U.S. Government.
- 2022 **Input submitted,** NIFA Listens: Session for stakeholder input to science priorities

TEACHING AND MENTORSHIP EXPERIENCE

Instructor of record

- 2024 **Instructor, City University of New York:** Seminar in Special Topics: Plants People and Culture (Biology 79302)
- 2021/2023 Instructor, Columbia University: Ethnobotany: The Study of People and Plants

	(Ecology, Evolution, and Environmental Biology G4086; Co-instuctor: Michael Balick). 2 semesters
2019	Instructor, Cornell University: Scientific Writing and Statistical Analysis Graduate Level Course. One-month training for Ethiopian graduate students and
2016-2017	three-day training for Ethiopian professors. Instructor, UW-Madison: Ethnobotany (American Indian Studies / Anthropology / Botany 474). Summer term for two years.
	Professional development in teaching
2018	Cultivating Effective, Culturally Responsive Mentoring 1 semester Research mentor Training Seminar WISCIENCE program.
2017	Teaching in Science and Engineering: The College Classroom 1 semester Center for the Integration of Research, Teaching and Learning (CIRTL).
2016	Delta Internship 1 semester Co-developed a writing-based curriculum for a Tropical Horticulture Class CIRTL.
2016	Delta Internship Seminar 1 semester Participated in a seminar to discuss best practices for designing and implementing scholarship of teaching projects CIRTL.
2016	Advancing Learning Through Evidence-Based STEM Teaching 1 semester CIRTL.
2013	Teaching in Science and Engineering: The International College Classroom 1 semester CIRTL.
	Teaching assistant and curriculum development
2022	Curriculum Developer, Vision Learning Biodiversity module, City University of New York. Helped develop free STEM resource for undergraduate students.
2014-2017	Teaching Assistant, UW-Madison: Plants and Humans, 3 semesters.
2014-2017	Teaching Assistant, UW-Madison: Ethnobotany (Botany 474), 3 semesters (ir person) 1 semester (online).
2016-2017	Teaching Assistant and Independent Project Mentor, UW-Madison: Introductory Biology, 2 semesters.
2012-2016	Teaching Assistant, UW-Madison: General Botany, 5 semesters.
2013	Curriculum developer, Nutrition, Environment and Food Systems in Ethiopia program. Worked with Hawassa University to write culturally informed inquiry-based modules on traditional ecological knowledge and ecosystem services for Ethiopian community conservation leaders.
2012	Teaching Assistant (Laboratory), UW-Madison Introductory Biology, 1
2010	Curriculum Developer and Teacher, Huichol Center for Cultural Survival and Traditional Arts. Worked at a summer school with Wixárika teachers to develop and teach culture-based curriculum for 5-10-year-old Wixárika children in Jalisco,

Mexico. Applied for grants and developed volunteer infrastructure for school.

	Workshops and lecture series
2022	Food and plant preservation Members gallery talk New York Botanical
2022	Garden. Crops and Climate Plant whisperers adult continuing education class
2024	New York Botanical Garden.
2024	Ethnobotany: the study of plants and cultures Mellon Foodways Fellows New York Botanical Garden. 2 talks.
	Guest lectures
2023	Anthropology in Practice Lecture Series SUNY Oswego Oswego, NY.
2023-2024	Domesticación y Feralidad Consecuencias genéticas y fenotípicas en el
	manejo de la <i>Brassica rapa</i> feral en México, 2 classes Agrobiodiversidad Universidad Nacional del Sur, Bahía Blanca Argentina.
2022	Ethnobotany Scientific Inquiry St. John's University Queens, NY.
2022	Food security Biodiversity, Climate Change and the Political Process The
	City College of New York, NY.
2022	Domestication, dedomestication, and ethnobotany of <i>Brassica rapa</i>
	Domestication, Agriculture, and Ferality Universidad Nacional del Sur Bahía
	Blanca, Argentina.
2022	Ethnobotany and climate change Making Climate Change Yale University
	New Haven, CT.
2021	Traditional ecological management and sovereignty in Mexico, Canada,
	and Ethiopia Introduction to Ethnobotany Drake University Des Moines, IA.
2021	Traditional plant management strategies Ethnoecology: Nature,
2021	Knowledge, and People. University of Maryland, College Park, MD.
2021	Traditional Plant Management: Ecology, Evolution, and Sustainability
	Graduate Student Science Communications City University of New York
	New York, NY.
2020-2024	Domestication and Ongoing Selection on the Farm Food, Agriculture, and
	Society, 5 classes Cornell University Ithaca, NY.
2020	Domestication and agrobiodiversity Current Topics in Plant Biology City
	University of New York New York, NY.
2020-2023	Global cropping systems Introduction to Ethnoecology, 4 classes Simon Fraser University Vancouver, BC.
2019-2021	Wild and managed edible plants Plants and People, 3 classes Swarthmore University Swarthmore, PA.
2020	Medicinal Plants Place-Based Ecological Knowledge Clark University Worcester, MA.
2020	Ethnobotany: the study of plants and cultures Senior environmental studies

	seminar St. John's University Queens, NY.
2018	Traditional food systems Archaeology and Ethnobiology in Resource and
	Environmental Management Wilp Wilxo'oskwhl Nisga'a Institute Royal
	Roads University, Gitwinksihlkw, British Columbia.
2016-2017	Traditional Agroecological Knowledge Foundations of Agroecology, 2
	classes UW-Madison.
2014-2016	Ethnoecology and Traditional Ecological Knowledge Ethnobotany, 3
	classes UW-Madison.

Mentorship

Postdoctoral fellows: Stefanie Ramos Bierge (2021-2024), Giulia Mattalia (2023-2024), Makenzie Mabry (2023-)

Ph.D. students: Toni Johnson (City University of New York), Karam Sheban (Yale University) **Master's students**: Amani Rodriguez (Columbia University), Marco Zanghi (Columbia University)

Graduate committee member: Lucía Muñoz Sueiro (Columbia University), Adele Woodmansee (Cornell University), Luis Vega (Fordham University)

Undergraduate researchers (* = senior thesis): Jamie Rivera (2024), Danielle Cruz (2024), Luis Vega (2024), Tara Allen (2024), Jada Tulloch (2023), Maimuna Islam (2022), Chanti Max (2022), Gabriel Rosenstein (2022), Tina Le* (2022), Calvin Heiman* (2021). Josh Haberstroh (2017), Noah Bevers (2017), Elena Schmelzer (2017), Thi Le (2017), Ilhulpatchakatl Neubauer (2016), Megan Christensen (2015), Yingshan Deng (2015), Matthew Brodhead (2015), Tyler Keime (2015), Katie Mullan (2015), Rodrigo Indig (2014), AJ Hill (2014), Patrick O'Flaherty (2014), Sean Mcsweeney (2014), Rae Schira (2014), and Syd Midgorden (2014).

Visiting scholars: Jason Irving (2023), Fabrizia Milani (2024)

Press coverage

	<u>Press highlights</u>
2024	Washington Post Why 'chaos wheat' may be the future of bread Sept. 17,
	2024
2024	Science What's in your food? A new research effort intends to find out
	April 26, 2024
2024	Cool Food: Erasing Your Carbon Footprint One Bite at a Time Chapter
	5. Nuts.
2023	The Atlantic The Missing Piece of the Foraging Renaissance June 6, 2023
2023	Climate Wire Experts find modern climate resilience in ancient grains Jan.
	17
2022	WIRED This Ancient Grain-Sowing Method Could Be Farming's Future
	Oct. 29, 2022.

2022	Inside Climate News The Botanic Matchmakers that Could Save Our Food Supply Aug. 28, 2022.
2022	Washington Post Magazine Ditch Your Grocery Store. Go Foraging Instead Aug. 15, 2022.
2022	CBC News New research shines light on how Nuchatlaht people cultivated plants in their territory May 29, 2022.
2021	National Geographic Answers to these botanical mysteries could help a climate-stressed world Jun. 15, 2021.
2021	Smithsonian Magazine Indigenous Peoples in British Columbia Tended 'Forest Gardens' Apr. 29, 2021.
2021	Popular Science 'Forest gardens' planted by Canada's Indigenous people before the 1800s still benefit ecosystems today Apr. 27, 2021.
2021	National Geographic 'Forest gardens' show how Native land stewardship can outdo nature Apr. 23, 2021.
2021	Science Magazine Pacific Northwest's 'forest gardens' were deliberately planted by Indigenous people Apr. 22, 2021.
2021	New York Times National Endowment for the Humanities Announces New Grants Apr. 14, 2021.
2019	ScienceDaily Mapping a vegetable family tree for better food https://www.sciencedaily.com/releases/2019/07/190708154106.htm.
	Additional press coverage
2024	The Blue Plate Grain mixtures work featured in photo caption of Chapter 1.
2024	The Good Men Project Indigenous Forest Gardens Help Bolster Land Rights Arguments May 16, 2024
2024	LiveScience Are kale, broccoli and Brussels sprouts really all the same plant? March 24, 2024
2024	Undark Indigenous Forest Gardens Help Bolster Land Rights Arguments May 1, 2024
2024	ClarkNow Can we feed the world by going with the grains? Ethiopian farmers may hold the answer, and researchers are listening to them. January 25, 2024
2024	ClimaTwins Podcast Agrobiodiversity and Sustainability with Alex McAlvay January 21, 2024
2023	Atmos The Environmental Wisdom Encoded in Endangered Languages November 22, 2023
2023	Foodie Pharmacology Podcast Agrobiodiversity and climate resilience in Ethiopia with Dr. Alex McAlvay November 6, 2023
2023	Yale Environment Review Imagining the future of food with ancient answers August 23, 2023
2023	Ambrook Research Maslins, a Method of Planting Grains You've Probably Never Heard of June 28, 2023

2023	International Bakery Magazine An Enduring History April 25, 2023
2023	The Financial Express Mixing cereal species for stabilising crop yields
	Jan. 24, 2023
2023	Lifegate Maslin, uno studio valorizza la pratica di miscelare i semi di cereali
	per far fronte ai cambiamenti climatici. Feb. 15, 2023
2023	European Scientist Agricultural innovation vital for climate-threatened food
	security and sustainability. Feb. 2, 2023
2023	EnviroNewsBits Ancient farming strategy holds promise for climate
	resilience. Jan. 30, 2023
2023	Agricultura & Mar Técnica agrícola com mais de 3.000 anos pode ajudar
	colheitas a sobreviverem às alterações climáticas. Jan. 22, 2023
2023	Gizmodo Una técnica agrícola de hace más de 3000 años puede ayudar a las
	cosechas a sobrevivir al cambio climático. Jan. 16., 2023
2023	Fanpage.it Un'antichissima tecnica agricola può salvare i raccolti dai
	cambiamenti climatici Jan. 16, 2023
2023	Science Alert Fluke Discovery of Ancient Farming Technique Could
	Stabilize Crop Yields, Jan. 16, 2023
2023	New Atlas Study shows how mixed-grain crops can thrive where others
	falter Jan. 16, 2023
2023	Phys.org Ancient farming strategy holds promise for climate resilience Jan.
	12, 2023
2023	Newslanes Fluke Discovery of Ancient Farming Technique Could Stabilize
	Crop Jan. 16, 2023
2023	Cornell Chronicle Ancient farming strategy holds promise for climate
	resilience, Jan. 12, 2023
2022	Atlas Obscura Our Favorite Environment Stories of 2022 Dec. 20, 2022.
2022	CBC News How ancient forest gardens could impact Nuchatlaht First
2022	Nation's land claim May 29, 2022.
2022	New Scientist The surprising origin of sprouts, the vegetable we either love
2022	or hate Dec. 14, 2022.
2022	Undark Making the Case for the Revival of an Ancient Grain Tradition
2022	Nov. 11, 2022
2022	Mother Jones This Nearly Lost Ancient Grain Tradition Could Be the
2022	Future of Farming Oct. 23, 2022.
2022	Atlas Obscura This Nearly Lost Ancient Grain Tradition Could Be the
2022	Future of Farming Oct. 13, 2022.
2022	Civil Eats Meet the Researchers 'Decolonizing Botany' to Save Our Food
2022	Supply Sept. 9, 2022.
2022	Sierra Club BC Ancient Forest Gardens in Nuchatlaht ḥaḥuuliʔakʔi
	(Territory) Illuminate Hishuk'ish tsawalk (everything is one) nism'a (land) and
	čaa?ak (water) Stewardship May 24, 2022.

2022	Perpetual Notion Machine WORT 89.9 FM Madison, WI Crop diversity and crop wild relatives Jan. 13, 2022.
2022	UW-Madison News In a busy and productive 2021 for UW-Madison research, these stories stood out Dec. 14, 2021.
2021	Labroots A Look Back at the Evolution of Greens Jul. 13, 2021.
2021	NSF Research News Don't like your greens? Blame it on <i>Brassica</i> domestication Jun. 22, 2021.
2021	Phys.org A feral past could help chart the future for Brassica vegetables Jun. 25, 2021.
2021	The Frontier Post Study shows that many deep rooted vegetables come from same species Jun. 22, 2021.
2021	Atlas Obscura The Deep Roots of the Vegetable That 'Took Over the World' Jun. 14, 2021.
2021	Hakai Magazine Ancient gardens persist in British Columbia's forests Jun. 9, 2021.
2021	Morning AgClips Don't like your greens? Blame it on Brassica domestication Jun. 7, 2021.
2021	Scienmag Don't Like Your Greens? Blame It On Brassica Domestication Jun. 4, 2021.
2021	Quirks and Quarks (CBC News) How Indigenous science could help us with our sustainability and diversity crisis June 4, 2021.
2021	Bioengineer Don't like your greens? Blame it on Brassica domestication Jun. 4, 2021
2021	Industry Update Don't you like your greens? Blame the domestication of oilseed rape Jun. 4 2021.
2021	EurekAlert! Don't like your greens? Blame it on Brassica domestication Jun. 4, 2021.
2021	New York Botanical Garden Press Release Research Team Led by NYBG Scientist Identifies the Likely Original Relative of Many Food Crops, a Resource That Could Make Them More Environmentally Resilient May 24, 2021
2021	Miragenews First we tamed turnips. Then we turned them into bok choy and other veggies May 20, 2021
2021	Phys.org First we tamed turnips, then we turned them into bok choy and other veggies May 20, 2021
2021	SeedQuest First we tamed turnips - Then we turned them into bok choy and other veggies May 19, 2021
2021	UW-Madison News First we tamed turnips. Then we turned them into bok choy and other veggies May 19, 2021
2021	Arstechnica Indigenous forest gardens remain productive and diverse for over a century May 18, 2021.

National Post Ancient Indigenous forest gardens still yield bounty 150 years		
later		
Pro Science Лесные сады канадских индейцев Арг. 30, 2021		
The Tyee Unearthing the Work of Indigenous Master Horticulturalists		
Apr. 28, 2021.		
SFU News Ancient Indigenous forest gardens promote a healthy ecosystem		
Apr. 22, 2021		
EurekAlert! Tracing the roots: Mapping a vegetable family tree for better		
food https://www.eurekalert.org/pub_releases/2019-07/uom-ttr070819.php		
and		
Fork and Life podcast Contributor to podcast about food and culture		
https://www.forkandlifepodcast.com/		
ScienceDaily Archaeologists on the vanguard of environmental research		
Feb. 26, 2017		
Professional service		
Advisory roles		

2024-

2022-	Contributor, Periodic Table of Food Initiative, Developing Regenerative
	Agriculture Ontologies.
2023-	Expert, Regen10 Experts Network.

<u>Leadership roles in academic societies</u> **President**, Society for Ethnobotany (formerly Society of Economic Botany)

2021-2024	Executive board member: Secretary, Society of Ethnobiology.
2021-2023	Alliance for Diversity and Inclusivity in Ethnobiology, Society of
	Ethnobiology, Society for Economic Botany, and International Society of
	Ethnobiology.
2018	Public relations officer, Botanical Society of America.
2016-2019	Board member and promotion and outreach coordinator: student
	engagement, Society of Ethnobiology.
2011-2012	Undergraduate outreach coordinator, Society of Ethnobiology.

	Editor and reviewer for academic journals
2020-present	Editorial Board, Journal of Ethnobiology and Ethnomedicine
2018-2023	Associate Editor, Journal of Ethnobiology
2018	Guest Editor, Journal of Ethnobiology Special issue on Allyship, Activism,
	and Social justice in Ethnobiology Journal of Ethnobiology.
2016-present	Ad-hoc reviewer for scientific journals PNAS (1), Journal of
	Ethnobiology (9), Ethnobiology letters (2), Journal of Ethnobiology and
	Ethnomedicine (2), Frontiers in Sustainable Food Systems (1), Economic

Botany (6), Climatic Change (2). Heredity (1), Agriculture and Human Values (1), Botanical Review (3), Current Opinion in Plant Biology (1), Ethnobotany Research and Applications (1), Journal of Agriculture and Food Research (1), Society and Natural Resources (1), Trends in Ecology and Evolution (2), Veterinary Medicine and Science (1), Basic and Applied Ecology (1), Sociolinguistics Studies (1), People and Nature (1), PLOS One (1).

Reviewer for grants

Israeli Science Foundation (1), Foundation for Food and Agriculture Research (1)

Institutional service Strategic planning committees, Transformational Ideation and 2022 Foundation Ideation (Exploration) committees | New York Botanical Garden. 2022 Planning committee member, Psychoactive Plants display | New York Botanical Garden Planning committee member, Foodways: Around the Table exhibition 2021-2022 New York Botanical Garden. Planning committee member, Indigenous Engagement | New York 2021-2024 Botanical Garden. **Judge**, Abundant Future: Cultivating Diversity in Garden, Farm, and Field 2021 American Society of Botanical Artists New York Botanical Garden Triennial New York Botanical Garden 2017 Teaching and undergraduate committee, Department of Botany | UW-Madison. Awards committee member, Department of Botany | UW–Madison. 2015-2016 Conference and symposium organization Co-Organizer, Lenape Nations Convening at New York Botanical Garden 2024 Organizer, NYC Biocultural Conservation Symposium. 2024 2022/24 Co-Organizer, Pacific Northwest Cultural Landscapes Convening Assistant organizer, Joint meeting of the Society for Economic Botany and 2018 Society of Ethnobiology. 2016 Assistant organizer, Wirikuta Weekend Academic Forum. Assistant organizer, First Annual Wisconsin Medicinal Plant Symposium. 2016 2015 **Assistant organizer**, New International Historical Ecology Community. Volunteer, Society for Applied Anthropology. 2011

Conference session chair and session organizer

know about Feralization and Crop Wild Relatives | Virtual.

2021

Session chair, Botanical Society of America | Darwins' reversals: What we now

2021	Session chair, Society of Ethnobiology Traditional Ecological Knowledge
	Virtual.
2018	Session chair, Botanical Society of America Crop wild relatives and
domestication	
	Rochester, MN, USA.
2018	Session chair, Society of Ethnobiology Ethnobotany Madison, WI, USA.
2017	Session organizer and chair, Society of Ethnobiology Solidarity, Allyship, &
	Justice in an "Applied" Ethnobiology Montreal, QC, Canada.
2016	Session Moderator, Society of Ethnobiology Hosted session on
	Landscape Management and Agriculture.

ENGAGEMENT AND OUTREACH

Non-profit		
2018-	Volunteer, native-lands.ca, Contributor to mapping effort to raise awareness	
	of traditional Indigenous territories.	
2014-2022	Board member, Herbal Anthropology Project, Organizing projects,	
	assisting with grant-writing, documenting traditional plant knowledge.	
2010	Supporter, Black Mesa Indigenous Support, Acted as land rights and	
	human rights observer on Diné territory while living with elders.	
2010	Teacher, grant writer, and volunteer coordinator, Huichol Center for	
	Cultural Survival and Traditional Arts, Taught culture-based curriculum to	
	5-10-year- old Wixárika (Huichol) children. Applied for grants and developed	
	volunteer infrastructure.	
2009-2010	Student Representative, Sehome Arboretum Board of Governors.	
2004-2008	Washington Native Plant Stewardship Program, Washington Native Plant	
	Society.	
	Community engagement	
2023	Farmer radio Traditional Grain Mixture Project featured on Ethiopian Radio	
2023	Farmer radio Traditional Grain Mixture Project featured on Ethiopian Radio Show on Dessie Fana 96.0 FM which reaches millions of farmers in the	
	Farmer radio Traditional Grain Mixture Project featured on Ethiopian Radio Show on Dessie Fana 96.0 FM which reaches millions of farmers in the Amhara region.	
2023 2023	Farmer radio Traditional Grain Mixture Project featured on Ethiopian Radio Show on Dessie Fana 96.0 FM which reaches millions of farmers in the Amhara region. Booth presenter Presented on local wild edible plants to the public as part	
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	Tepic, Mexico.
2022	Workshop Shinnecock Culture Camp Youth Event The Shinnecock
	Ethnobotany Project hosted the Shinnecock Culture Camp, a summer youth
	group, for a day to share about the plants on the Nation's territory and their
	traditional uses Shinnecock Nation, NY
2021	Workshop leader Shinnecock Ethnobotany Program Organized workshop
	to train members of the Shinnecock Nation in plant specimen collection,
	pressing, and curation.
2020	Volunteer Lehman Alternative Community School Teach-In We are this
	place: when people are necessary for environmental health Lehman
2017 2010	Alternative Community School, Ithaca, NY.
2017-2018	Volunteer Indigenous Arts and Sciences program Taught two workshops
	with Ho- Chunk middle schoolers during STEM visits University of Wisconsin-Madison.
2015-2018	Volunteer Pre-college Enrichment Opportunity Program for Learning
2013-2016	Excellence Taught four ethnobotany workshops for prospective first-
	generation STEM college students University of Wisconsin-Madison.
2014-2016	Workshop volunteer, Rarámuri Traditional Edible Plant Workshop, 2
2014-2010	workshops
2013/2014	Booth coordinator Darwin Day Outreach Event Coordinated and
	manned a booth about evolution at the UW-Madison Darwin Day event.
2013	Science fair mentor Madison Middle School Science Symposium Mentored
	a 7th-grader with his project on Mangrove ecosystem services.
2016	Educational garden designer Centro Hispano Designed and established
	an educational medicinal plant garden and traditional Mexican demonstration
	farm at a non-profit Latino resource center in Madison, WI.
2014	Educational garden designer Sidama medicinal plant garden Established
	a garden of medicinal plants on the UW-Madison campus.
2008	Co-presenter Lilawagila School Helped lead Dzawada'enuxw First Nation
	elementary students on an educational tour of traditional salt-marsh gardens.
2004	Educational garden designer Mercer Island Library Designed and
	established a Pacific Northwest ethnobotany garden.
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	s, blogs, interviews, Wikipedia, and social media engagement
2023	Plant Talk NYBG Scientists Working at the Nexus of Food Security, Plant
2022	Biodiversity, and the Climate Crisis. November 29, 2023
2022	Wikipedia article Contributed to Wikipedia article on Wisconsin Fast Plants
2022	(Brassica rapa) Plant Talls Fact End Stown Protecting Shipped all Plant V powledge and
11 11 11 1	- Island Laur I Light Lind Stown Unotopting Shipping on all Dignt Magazilades and

Plant Talk | East End Story: Protecting Shinnecock Plant Knowledge and

Biodiversity on Long Island" | July 27, 2022

2022

2021	National Museum of the Federal University of Rio de Janeiro Social
	Media Decolonizing Institutions, Projects, and Scholarship in Ethnobiology
	https://www.instagram.com/p/CTkSGa-nlBx/ Sept. 9, 2021
2019	Decolonial Anthropology Project YouTube channel David Berga
	https://www.youtube.com/watch?v=rToPmohva_g

LANGUAGES

English (Native proficiency) | Spanish (Professional working proficiency) | Mongolian, Japanese, Amharic, Mandarin, Italian (Elementary proficiency).