

New York Botanical Garden

Selected Science Publications (2024-2025)

Updated: August 2025

(NYBG authors in bold)

2025

1. Utteridge, T.M.A., Aung, M.M., Wheatcroft, H., Plummer, J. & **Armstrong K.E.** 2025. *Mappianthus kachinensis* (Icacinaceae), a new woody climber from Kachin State, Myanmar. Thai Forest Bulletin (Botany), 53(1), 25-32. <https://doi.org/10.20531/tfb.2025.53.1.04>
2. Clark, R.P., T.Y. New & **K. E. Armstrong**. 2025. A new species, *Phanera htamanthiensis* (Leguminosae-Cercidoideae), and specimen-verified checklist of *Phanera* in Myanmar. Kew Bulletin, <https://doi.org/10.1007/s12225-025-10295-8>
3. **Avila, F.A.**, J.Y. Park, L. Feder & **D.P. Little**. 2025. Herbariograph: A deep learning tool to classify specimen images. New Phytologist, <https://doi.org/10.1111/nph.70447>
4. Einbond, Linda Saxe, Jing Zhou; Kunhui Huang; Mario R. Castellanos; Emeka Mbazor; **Michael Balick**; Hongbao Ma; James A. DeVoti; Stephen Redenti; Hsan-Au Wu. 2025. Plant compounds inhibit the growth of W12 cervical precancer cells containing episomal or integrant HPV DNA; tanshinone IIA synergizes with curcumin in cervical cancer cells. *Viruses*, 17, 55. <https://doi.org/10.3390/v17010055>.
5. Hart, R., V. Fonseca-Kruel, E. Dalcin, L. A. Estevão da Silva, **M. Pace**, M. Schnull, L. Beltrán-Rodríguez, M. Murguía-Romero, D. G. Flores-Camargo, C. Mapes-Sánchez, M. Nesbitt, C. Romero, A. Townesmith, J. Salick, **A. McAlvay**, K. R. Otero-Walker, **M. J. Balick**, J. Golan, B. Hoffman, K. Leonard, G. Mattalia, G. Odonne, A. Prehn, I. Vandebroek. Repositories of Biocultural Diversity: Toward Best Practices for Empowering Ethnobotany in Digital Herbaria. *Plants, People, Planet*. Published online: <https://doi.org/10.1002/ppp3.70052>
6. Harrison, K.D., N. Kelso, D.M Ramik, N.Ramik, **G. M. Plunkett**, R. Neriam, W. Nasauman, W. Nasauman, **M. J. Balick**. 2025. "Sun brings all things": Sun and moon lore as biocultural knowledge on Aneityum Island, Vanuatu. *PLOS One*. <https://doi.org/10.1371/journal.pone.0327693>
7. **Plunkett, G.M.**, **M.J. Balick**, and N. Meadows. 2025. *Plants and People of Vanuatu: A Strategic Plan*. Center for Plants, People & Culture, New York Botanical Garden. 24 pages.
8. Bradley, BA, Evans, A, Vilà, M, Barnett, D; **Beaury, EM**; Blumenthal, D ; Corbin, J; Dukes, et al. (2025). A quantitative classification of the geography of non-native flora in the U.S. *Global Ecology and Biogeography*. <https://doi.org/10.1111/geb.70041>
9. Smith, J., **Beaury, E.M.**, Cook-Patton, S., Levine, J. Variable impacts of landbased climate mitigation on habitat area for vertebrate diversity. *Science*. 387 (6732), 420-425. DOI:10.1126/science.adm9485.

10. Laymon D Ball, **Ana M Bedoya**, Charlotte M Taylor, Laura P Lagomarsino, Phylogenomics and macroevolution of a florally diverse Neotropical plant clade, *Evolution*, 2025, qpaf099, <https://doi.org/10.1093/evolut/qpaf099>
11. Mansaray, J.K., **A.M. Bedoya**, L.A. Frost, O.C. Degreenia, L.P. Lagomarsino. 2025. Phylogenetic relationships and the repeated loss of traits associated with sicklebill pollination in *Centropogon* subgenus *Centropogon* (Campanulaceae). *American Journal of Botany*. E70016.
12. Atwood, J. J., **W. R. Buck** & J. C. Brinda. 2025. Recent literature on bryophytes—128(1). *Bryologist* 128: 58–88.
13. Bradley, A.V., ..., **Diazgranados, M.** et al. 2025. Assessing mountain soil water storage and release in a Colombian Páramo with APSIS-InSAR Data. *Hydrological Processes*, <https://doi.org/10.1002/hyp.70214>
14. Kor L., Perez F., Inwood K., Darbyshire I., & **Diazgranados M.** (2025). An evaluation of important plant areas around the world. *Conservation Biology*, e70013. <https://doi.org/10.1111/cobi.70013>
15. **Henderson, A.** 2025. A revision of *Iguanura* (Arecaceae, Arecoideae, Areceae). *Phytotaxa* 690: 135-188.
16. Kuhnhäuser, B., Bates, C., Dransfield, J., Geri, C., **Henderson, A.**, Sang, J., Jun Ying Lim, Morley, R., Rustiani H., Schley, R., Bellot, S., Chomicki, G., Eiserhardt, W., Hiscock, S. & Baker, W. 2025. Island geography drives evolution of rattan palms in tropical Asian rainforests. *Science* 387: 1204-1209.
17. Rong Zhang, Gregory W Stull, **Jian-Jun Jin** et al. 2025. Phylogenetic resolution and conflict in the species-rich flowering plant family Leguminosae. *Systematic Biology*, *Systematic Biology*, syaf057, <https://doi.org/10.1093/sysbio/syaf057>.
18. Fisher, J.P., J.D. Hall & **K.G. Karol**. 2025. *Chara brittonii* T. F. Allen ex C. B. Robinson. *The IUCN Red List of Threatened Species* 2025: e.T192252A2061313
19. Tessler, M., and **Little, D.** On herbarium specimen images and artificial intelligence. *New Phytologist*. 3 July 2025: <https://doi.org/10.1111/nph.70312>.
20. Melese, D.; Asfaw, Z.; Woldu, Z.; Warkineh, B.; Amare, E.; Ruelle, M.; **McAlvay, A. C.** Mixed Teff (*Eragrostis tef*, Poaceae) Cultivation and Consumption among Smallholder Farmers in South Wollo Zone, Ethiopia. *Journal of Ethnobiology and Ethnomedicine*.
21. 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*.
22. **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*.

23. Murillo-Serna, J. S. & **F. A. Michelangeli**. 2025. *Quipuanthus calcaratus* (Melastomataceae, Cyphostyleae), a second species for the genus and a new genus for the Colombian flora. *Brittonia*. <https://doi.org/10.1007/s12228-025-09845-y>
24. Bisewski, G. C. A., L. F. Bacci, J. K. Ziemmer, A. M. Amorim, **F. A. Michelangeli** & R. Goldenberg. 2025. A new species of *Bertolonia* with thickened stems, a rare feature in Melastomataceae living in dry areas. *Phytotaxa* 691: 63-73. <https://doi.org/10.11646/phytotaxa.691.1.5>
25. **Michelangeli, F. A.**, D. S. Penneys & A. F. Fuentes. 2025. A new species of *Chalybea* (Melastomataceae: Pyxidanthae) for Bolivia and comments on the occurrence of *Meriania franciscana* (Melastomataceae: Merianieae). *Brittonia* 77: 58-66. <https://doi.org/10.1007/s12228-024-09818-7>
26. **Mitchell, J.D.**, S.K. Pell & J. Wen. 2025. Transfer of four New Guinean *Rhus* species to *Toxicodendron* (Anacardiaceae). *Novon* 33: 111-114. doi: 10.3417/2025964
27. Morris, S. & **R. C. Moran**. 2025. The Andes of Colombia and Ecuador as a barrier to fern and lycophyte species from Mesoamerica. *Annals of the Missouri Botanical Garden* 110: 88–110.
28. **Moran, R. C.** 2025. William Carl Taylor (1946–2025), a Remembrance. *American Fern Journal* 115: 159–167.
29. **Naczi, R.F.C.**, C.J. Zimmerman, D. Werier, and E. Gjeli. 2025. Taxonomy, geographic distribution, habitat, and conservation status of *Najas muenscheri* (Hydrocharitaceae): Imperiled and restricted to Mid-Atlantic estuaries, USA. *Journal of the Torrey Botanical Society* 152: 114-129. <https://doi.org/10.3159/TORREY-D-24-00044.1>
30. Wijas, B., Cornwell, W.K., **Oberle, B.**, Powell, J. R., & Zanne, A.E. 2025 Faster than expected: release of nitrogen and phosphorus from decomposing wood. *New Phytologist*, 245(5), 2214-2223. <https://doi.org/10.1111/nph.20362>
31. Njoroge, D.M., Dossa, G.G., Schaefer, D., Zuo, J., Ulyshen, M.D., Seibold, S., Zanne, A.E., **Oberle, B.**, Harrison, R.D., Liu, S. and Li, X., 2025. The effects of invertebrates on wood decomposition across the world. *Biological Reviews*, 100(1), pp.158-171. <https://doi.org/10.1111/brv.13134>
32. Lowry, P.P. II, **G.M. Plunkett**, M.M. Mora, and P.H. Raven. 2025. Studies in Neotropical Araliaceae. XV. *Sciodaphyllum neillii*, a new species from the Cordillera del Cóndor in Southeastern Ecuador. *Novon* 33:60–66.
33. Mora, M.M., P.P. Lowry II, and **G.M. Plunkett**. 2025. Studies in Neotropical Araliaceae. XIV. Taxonomic revision of the Cotylanthes group of *Sciodaphyllum* (Araliaceae) in Ecuador. *Novon* 33: 48–50.
34. Lowry, P.P. II, **G.M. Plunkett**, M.M. Mora, and D.A. Neill. 2025. Studies in Neotropical Araliaceae. XIV. Revision of the *Violaceum* group of *Sciodaphyllum* P. Browne (Araliaceae) in Ecuador. *Annals of the Missouri Botanical Garden* 110: 151–184.

35. Nicolas, A.A., P.B. Heenan, and **G.M. Plunkett**. 2025. Phylogenetics, diversification, and biogeography of *Azorella* (Apiaceae), with a special focus on the Australasian clades. *Brittonia*, <https://doi.org/10.1007/s12228-025-09830-5>.
36. Feist, M.A.E., Botero, A.F., Shalit, A.G., **Plunkett, G.M.**, *et al.* The trouble with *Tauschia* (Apiaceae): confirming the polyphyly of a problematic genus. *Brittonia* (2025). <https://doi.org/10.1007/s12228-024-09825-8>
37. Lowry, P.P. II, **G.M. Plunkett**, M.M. Mora, and P.H. Raven. 2025. Studies in Neotropical Araliaceae. XV. *Sciodaphyllum neillii*, a new species from the Cordillera del Cóndor in Southeastern Ecuador. *Novon* 33:60–66.
38. **Samra, K., F. A. Michelangeli** & E. Lucas. 2025. Anisophylly is associated with climate in the Neotropical genus *Triolena* (Melastomataceae). *Biotropica* 57: e70041. <https://doi.org/10.1111/btp.70041>
39. **Sanderson, E.W.**, Miquelle, D.G., Harihar, A., Breitenmoser, U., Breitenmoser-Wursten, C., Cooper, D.M., Faziolahi, K., Fisher, K., Goodrich, J., Gray, T.N.E., Kang, A., Kitchener, A.C., MacMillan, D.C., Ostrowski, S., Royte, L., Thapa, K., and Yamaguchi, N. 2025. The Indigenous Range of the Tiger (*Panthera tigris*). *Diversity and Distributions* 31(1): e13947.
40. Gabriel Peñaloza-Bojacá, J Gordon Burleigh, Adaíses Maciel-Silva, D Christine Cargill, David Bell, **Emily B Sessa**, Stuart F McDaniel, E Christine Davis, Lorena Endara, N Salazar Allen, Fay-Wei Li, Peter Schafran, Sahut Chantanaorrapint, Jeffrey G Duckett, Silvia Pressel, Claudia Solís-Lemus, Karen S Renzaglia, Juan Carlos Villarreal A. 2025. Ancient reticulation, incomplete lineage sorting and the evolution of the pyrenoid at the dawn of hornwort diversification, *Annals of Botany*, mcaf002, <https://doi.org/10.1093/aob/mcaf002>
41. Pelosi, J.A, **Sorojsrisom, E.S.**, Barbazuk, W.B., **Sessa, E.B.** 2025. Population genomics of the gametophyte-only fern *Vittaria appalachiana* provides insights into clonal plant evolution. *New Phytologist*.
42. Wen J, Quintanar Castillo A, **Pace MR**, Talavera A, **Sparreo L**, Johnson G, Krupnick GA and Nie Z-L (2025) Phylogenomic analyses support a new subgenus, *Rojovitis*, of the grape genus *Vitis* from Mexico. *Front. Plant Sci.* 16:1580648. doi: 10.3389/fpls.2025.1580648
43. Osborne, R., **D. Stevenson** & D. Ferreira. 2025. Phytochemistry of the Cycadales. *Bot. Rev.* 91(2): 103-168.
44. Hart, R., Fonseca-Kruel, V. . . . **Pace, M., McAlvay, A.**, Otero-Walker, K., **Balick, M.J.** Repositories of biocultural diversity: Toward best practices for empowering ethnobotany in digital herbaria. *New Phytologist Foundation*. Published June 27, 2025. <https://doi.org/10.1002/ppp3.70052>

45. **Thiers, B.**, Young, B.C., J. White and L. Struwe. Endophytic bacteria discovered in oil body organelles of the liverworts *Marchantia polymorpha* and *Radula complanata*. *American Journal of Botany*. Published 11 Mar 2025. <https://doi.org/10.1002/ajb2.70017>
46. Andrino, C. O., Barbosa-Silva, R. G., Siniscalchi, C., Baleeiro, P. C., Nepomuceno da Costa, F., **Dabydeen, L.**, Missagia, R., Jobson, R. W., **Plunkett, G. M.**, Sano, P. T., Simon, M. F., **Torke, B. M.**, Viana, P. L. 2025. Phylogenomic evidence reveals non-monophyly of Paepalanthoideae (Eriocaulaceae) and overturns the broad concept of *Paepalanthus*. *Taxon* (online): article 13359: 1–13. DOI: <https://doi.org/10.1002/tax.13359>
47. Souza Gregório, B. de, Carvalho, C. S., Stirton, C. H., Lewis, G. P., **Torke, B. M.**, Duan, L., Ramos, G., Rocha, L., Zartman & Cardoso, D. B. O. S. 2025. Phylogenomics, morphological evolution, and taxonomic revision of *Spirotropis*, a newly delimited legume genus of ecologically dominant Amazonian tree species. *Taxon* (online): article 13325: 1–30. DOI: <https://doi.org/10.1002/tax.13325>
48. Gissi, D. S., **Torke, B. M.**, Simon, M. F., Tomazello-Filho, M., Fortuna-Perez, A. P. 2025. Morphological analyses support taxonomic updates in Brazilian species of *Stylosanthes* Sw.(Papilionoideae, Leguminosae). *Brazilian Journal of Botany* 48: article 10, pp.1–15. (DOI: <https://doi.org/10.1007/s40415-024-01065-0>).
49. Bohórquez, L.K.R., de Freitas Mansano, V., Idárraga-Piedrahíta, Á. & **B. M. Torke**. A New Species of *Swartzia* sect. *Terminales* (Fabaceae subfamily Faboideae tribe Swartzieae) from Chocó Colombia. *Brittonia* (2025). <https://doi.org/10.1007/s12228-025-09843-0>

2024

1. A. Solé-Gil, Y. Sakai, B. Catarino, V.A.S. Jones, C.E. Youngstrom, C.-L. Cheng, L. Dolan, **B. Ambrose**, K. Ishizaki, M.A. Blázquez and J. Agustí (2024) Divergent evolution of the thermospermine gene regulatory network in land plants. *Developmental Cell* 60:1-11. <https://doi.org/10.1016/j.devcel.2024.12.027>
2. J. Park, B. Rappazzo, R. deLutio, **B. Ambrose**, **F. Michelangeli**, K. Watson, S. Belongie, **D. Little** (2024) NAFlora-1M: Continental–Scale High–Resolution Fine–Grained Plant Classification Dataset. *OpenReview.Net Journal of Data-centric Machine Learning Research (DMLR)*.
3. Rodda, M., Poopath, M., **Armstrong, K.**, & Klackenberg, J. Apocynaceae of continental Southeast Asia: new species, new records and new combinations. *Thai Forest Bull. Bot.* 52(1): 5–20. 2024. DOI <https://doi.org/10.20531/tfb.2024.52.1.02>
4. Simon, J.E., D. K. Seidel, R. Govindasamy, J. Shope, E. Gnomes, E. Merchant, **M. Balick**, O. Schofield, L. Brindisi, N. Khanna. 2024. *Baseline Assessment in Support of Climate-resilient food security for farming households across the Federated States of Micronesia*. Technical Report to

the Micronesia Conservation Trust, Federated States of Micronesia and the Green Climate Fund. Rutgers, The State University of New Jersey. 489 pages.

5. Seidel, D.K., J. E. Simon, R. Govindasamy, J. Shope, **M. Balick**, and O. Schofield. 2024. *Agriculture and Food Security Vulnerability Assessment*. A Companion to the Baseline Assessment in Support of Climate-resilient food security for farming households across the Federated States of Micronesia. Technical Report to the Micronesia Conservation Trust, Federated States of Micronesia and the Green Climate Fund. Rutgers, The State University of New Jersey. 142 pages
6. **Beaury, E.M.**, Smith, J., Levine, J.M. Global suitability and spatial overlap of land-based climate mitigation strategies. *Global Change Biology*, 30, e17515. <https://doi.org/10.1111/gcb.17515>
7. Garbowski, M., Laughlin, D., Blumenthal, D., Sofaer, H., Barnett, D., Corbin, J., 2 Nebhut, A., Petri, L., Vilà, M., Buonaiuto, D., Dukes, J., **Beaury, E.M.**, Pearse, I. Naturalized species drive functional trait shifts in plant communities. *PNAS*. 121 (40) e2403120121.
8. Bradley, B., **Beaury, E.M.**, Gallardo, B., Ibáñez, I., Jarnevich, C., Morelli, T.L., Sofaer, H.R., Sorte, C., Vilà, M. Observed and Potential Range Shifts of Native and Non-Native Species with Climate Change. *Annual Review of Ecology, Evolution, and Systematics*, 55.
9. Evans, A.E., Colberg, E.M., Allen, J.M., **Beaury, E.M.**, Brown-Lima, C., Morelli, T.L., Bradley, B.A. Boundary-spanning increases knowledge and action on invasive species in a changing climate. *Ecological Solutions & Evidence*. <https://doi.org/10.1002/2688-8319.12387>.
10. **Bedoya, A.M.**, F. Zapata & M. J. Sanin. 2025. Plant genome sequencing needs to go tropical. *Nature Reviews Biodiversity*, <https://www.nature.com/articles/s44358-025-00083-4>
11. **Bedoya, A.M.** 2024. Botany and Geogenomics: constraining geological hypotheses in the neotropics with large-scale genetic data derived from plant DNA. *American Journal of Botany*. e16306 <https://bsapubs.onlinelibrary.wiley.com/doi/10.1002/ajb2.16306>
12. Frost, L.A., **A. M. Bedoya** & L.P. Lagomarsino. 2024. Artifactual Orthologs and the Need for Diligent Data Exploration in Complex Phylogenomic Datasets: A Museomic Case Study from the Andean Flora. *Systematic Biology* 73: 308-322. <https://doi.org/10.1093/sysbio/syad076>
13. Brightly, W., **A.M. Bedoya**, M. Carlson, M.G. Rottersman, and C.A.E. Stromberg. 2024. Correlated evolution of dispersal traits and habitat preference in the melicgrasses (Poaceae: Meliceae). *American Journal of Botany*. E16406.
14. **Borsuk, A.M.**, Randall, J.M., Richburg, J., Montes, K.G., Edwards, E.J. and Brodersen, C.R., 2024. Palisade cell geometry in relation to leaf optical and photosynthetic properties in *Viburnum*. *Plant Physiology*, p.kiae659.
15. Fletcher, L.R., **Borsuk, A.M.**, Fanton, A.C., Johnson, K.M., Richburg, J., Zailaa, J. and Brodersen, C.R., 2024. Anatomical and physiological consequences of beech leaf disease in *Fagus grandifolia* L. *Forest Pathology*, 54(1), p.e12842.

16. Atwood, J. J., **W. R. Buck** & J. C. Brinda. 2024. Recent literature on bryophytes—127(1). *Bryologist* 127: 123–156.
17. Atwood, J. J., **W. R. Buck** & J. C. Brinda. 2024. Recent literature on bryophytes—127(2). *Bryologist* 127: 273–305.
18. Atwood, J. J., **W. R. Buck** & J. C. Brinda. 2024. Recent literature on bryophytes—127(3). *Bryologist* 127: 366–399.
19. Atwood, J. J., **W. R. Buck** & J. C. Brinda. 2024. Recent literature on bryophytes—127(4). *Bryologist* 127: 550–582.
20. **Daly, D. C.** & B. Angell (2024). The botanist and the illustrator: A long-standing partnership. *Plant Science Bulletin*.
21. Morales-Rozo C., Acuña-Rodríguez I.S., Benavides J.C., Rincón-Parra V., **Diazgranados M.*** 2024. Prioritization of important plant areas for conservation of frailejones (Espeletiinae, Asteraceae) in the Northern Andes. *Biodivers Conserv* 33, 4073–4098. <https://doi.org/10.1007/s10531-024-02939-1>.
22. Jago S., Elliott K.F.V.A., Tovar C., et al. (incl. **Diazgranados M.**). 2024. Adapting wild biodiversity conservation approaches to conserve agrobiodiversity. *Nature Sustainability* 7, 1385–1394. <https://doi.org/10.1038/s41893-024-01427-2>.
23. Pironon S., Ondo I., **Diazgranados M.**, Allkin R., Baquero A.C., Cámara-Leret R., et al. 2024. Safeguard stewards of biodiversity knowledge—Response. *Science* 385(6708): 506–506. <https://www.science.org/doi/abs/10.1126/science.adp6014>.
24. Lopez-Gallego C., Morales-Morales P.A., Castellanos-Castro C., Salinas N., Aguirre-Santoro J., Aponte A., Betancur J., Díaz-Vasco O., **Diazgranados-Cadelo M.**, Higueza-Díaz D., Idárraga-Piedrahita A., Vallejo-Mayo L. 2024. Avances en la lista roja de las plantas de Colombia. *Biota Colombiana*, 25, e1175. <https://doi.org/10.21068/2539200X.1175>.
25. Pironon S., Ondo I., **Diazgranados M.**, Allkin R., Baquero A.C., Cámara-Leret R., Canteiro C., Dennehy-Carr, Z. Govaerts R., Hargreaves S., & Hudson A.J. 2024. The global distribution of plants used by humans. *Science*, 383(6680), pp.293–297. <https://www.science.org/doi/10.1126/science.adg8028>.
26. Kor L., Fernández-Lucero M., Granados Flórez D.A., Dawson T.P., & **Diazgranados M.** 2024. Bridging local and scientific knowledge for area-based conservation of useful plants in Colombia. *Ambio*, 53: 309–323. <https://doi.org/10.1007/s13280-023-01921-5>.
27. **Gottschalk, S.D.**, A. Boissezon, S.E. Hamsher, R.M. McCourt, D.J. Perleberg, P.M. Skawinski, R.S. Sleith & **K.G. Karol**. 2024. We do not see evidence for the presence of female gametangia (oospores) in North American *Nitellopsis obtusa* (Desvaux) J. Groves. *Botany*. 00: 1-4. [dx.doi.org/10.1139/cjb-2023-0102](https://doi.org/10.1139/cjb-2023-0102)

28. **Henderson, A.** 2024. Pollination systems of palms (Arecaceae). *Journal of Pollination Ecology* 36:144-248.
29. **Little, D.P.**, B. Aguero, A.J. Shaw, M. Tessler. 2025. AI for difficult herbarium specimens: Identification of peat mosses (subgenus *Sphagnum*) without dissection. *New Phytologist* <https://doi.org/10.1111/nph.70461>
30. Salinas, N.R., G. Eshel, G.M. Coruzzi, R. DeSalle, M. Tessler, and **D.P. Little**. 2024. BAD2matrix: phylogenomic matrix concatenation, indel coding, and more. *Applications in Plant Sciences* e11604.
31. 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*.
32. Á. 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
33. **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).
34. Lujan, M., Lemos M.R., Lucas, E., **Michelangeli, F.A.**, Prance, T.G., Pennington, T.D., Rzedowski, J., Santamaria-Aguilar, D., Serpell, E. 2024. Trials and tribulations of neotropical plant taxonomy: Pace of tree species description. *Plants, People, Planet*. Published online 9 January 2024. doi.org/10.1002/ppp3.10469
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