

Morgan R. Gostel

Curriculum Vitae

Research Botanist, Botanical Research Institute of Texas
1700 University Dr., Fort Worth, TX 76107 USA

Website: <https://fwbg.org/about-us/staff/morgan-gostel-ph-d/> ♦ Phone: (817) 463-4199

Email: mgostel@brit.org ♦ [Bionomia Profile](#) ♦ Social Media: [@M Gostel](#)

EDUCATION

- 2015 **Ph.D.** (Environmental Science & Policy), George Mason University
Advisor: Andrea Weeks
- 2010 **M.S.** (Biology), Virginia Commonwealth University
Advisor: Gregory M. Plunkett
- 2008 **B.S.** (Major: Biology, Minor: Chemistry, Spanish), Virginia Commonwealth University

PROFESSIONAL EXPERIENCE

- 2018–Present **Research Botanist**, Botanical Research Institute of Texas
- 2015–2018 **GGI-Buck Postdoctoral Fellow**, Smithsonian Institution
Supervisor: Vicki Funk, Senior Research Botanist and Curator

PROFESSIONAL AFFILIATIONS

- 2020–Present **Adjoint Faculty**, Department of Biology, University of Texas Arlington
- 2019–Present **Associate Graduate Faculty**, Department of Biology, Texas Christian University
- 2018–Present **Research Associate**, Department of Botany, National Museum of Natural History, Smithsonian Institution
- 2015–2018 **Affiliate Faculty**, Department of Biology, George Mason University

RESEARCH FUNDING

- 2022 PI, *NSFDEB-NERC: Subtribal classification and generic delimitation among Eastern Hemisphere ironweeds (Vernonieae, Compositae)*
\$1,234,397 (\$830,328 to BRIT), **National Science Foundation** (DEB, SBS Cluster)
- 2019 PI, 2019 Global Genome Initiative Rolling Award
\$7,125, **Smithsonian Institution**
- 2018-2021 PI, Global Genome Initiative for Gardens
\$199,836, **Smithsonian Institution**
- 2015-2018 PI, GGI-Buck Postdoctoral Fellowship
\$156,000, **Smithsonian Institution**
- 2017 PI, 2016 Global Genome Initiative Peer Review Award
\$2,335, **Smithsonian Institution**
- 2016 Co-PI, SIBG/GGI Grant Program
\$20,969, **Smithsonian Institution**
- 2016 Co-PI, Global Genome Initiative, 2016 Exploratory Science Award
\$31,098, **Smithsonian Institution**

- 2014 Student scholar, Widening Implementation and Demonstration of Evidence-based Reforms (WIDER)
\$500, **National Science Foundation (NSF)**
- 2014 Co-PI, Doctoral Dissertation Improvement Grant
\$12,994, **National Science Foundation (NSF)**

PUBLICATIONS IN REFEREED JOURNALS, *indicates student author

- 30) Antonio-Domingues, H., B. Loeuille, I. Larridon, **M. R. Gostel**, A. R. G. Simões. 2024. Palynotaxonomy of *Centauroopsis* (Compositae, Vernonieae) an endemic genus from Madagascar. *Grana*. 62: 297–310. <https://doi.org/10.1080/00173134.2024.2310605>
- 29) Bueno, V. R.*, G. H. L. Silva, C. A. Reis-Silva, A. M. Teles, J. N. Nakajima, **M. R. Gostel**, and G. Heiden. 2024. Synopsis of *Calea* subgen. *Teucrifolia* (Asteraceae: Neurolaeneae), a new subgenus endemic to the Cerrado. *Phytotaxa*. 637: 62–72. <https://doi.org/10.11646/phytotaxa.637.1.4>
- 28) Bueno, V. R.*, **M. R. Gostel**, and G. Heiden. 2023. The spiraling story of *Tyleropappus* and a new name for *Calea* (Asteraceae, Neurolaeneae) from Venezuela. *Phytotaxa*. 622: 75–84. <https://doi.org/10.11646/phytotaxa.622.1.5>
- 27) Bueno, V. R.*, **M. R. Gostel**, and G. Heiden. 2023. An updated synopsis of *Neurolaena* (Neurolaeneae, Asteraceae) with a new species from the Colombian Andes. *Phytotaxa*. 622: 131–145. <https://doi.org/10.11646/phytotaxa.622.2.3>
- 26) De Silva, S.*, I. Ocaña-Rios, C. Cagliero, **M. R. Gostel**, G. Johnson, and J. L. Anderson. 2023. Isolation of DNA from plant tissues using a miniaturized matrix solid-phase dispersion approach featuring ionic liquid and magnetic ionic liquid solvents. Submitted to *Analytica Chimica Acta*. <https://doi.org/10.1016/j.aca.2023.340858>
- 25) Kimball, R. T., **M. R. Gostel**, V. A. Funk, and D. J. Crawford. 2023. Out of Africa to Madagascar - Then Back? Molecular Phylogenetics and Biogeography of Tarchonantheae (Asteraceae: Carduoideae). *International Journal of Plant Sciences*. 184: 310–321. <https://doi.org/10.1086/724334>
- 24) **Gostel, M. R.**, Sancho, G., Roque, N., Donato, M., and Funk, V. A. 2022. Phylogenomic loci define the generic boundaries of Gochnatieae and improve resolution at the species level in *Moquiniastrum* (Compositae). *Molecular Phylogenetics and Evolution* 175: 107558. <https://doi.org/10.1016/j.ympev.2022.107558>
- 23) Bueno, V. R.*, **M. R. Gostel**, and Heiden, G. 2022. *Calea repanda* (Asteraceae: Neurolaeneae), a new species and novel characters for the taxonomy of the genus. *Phytotaxa*. 544: 280–288. <https://doi.org/10.11646/phytotaxa.544.3.2>
- 22) Kress, W. J. and **M. R. Gostel**. 2022. Plant DNA barcodes, community ecology, and species interactions. *Diversity*. 14: 453. <https://doi.org/10.3390/d14060453>
- 21) *Emaus, M. N.; C. Cagliero, **M. R. Gostel**, G. Johnson, J. L. Anderson. 2022. Simple and efficient isolation of plant genomic DNA using magnetic ionic liquids. *Plant Methods*. 18: 37. <https://doi.org/10.1186/s13007-022-00860-8>
- 20) **Gostel, M. R.**; M. M. Carlsen, A. Devine, K. B. Barker, J. A. Coddington, J. Steier. 2022. Data Release: DNA Barcodes of Plant Species Collected for the Global Genome Initiative for Gardens (GGI-Gardens) II. *Diversity*. 14, 234. <https://doi.org/10.3390/d14040234>
- 19) **Gostel, M. R.** and W. J. Kress. 2022. The expanding role of DNA barcodes: indispensable tools for ecology, evolution, and conservation. *Diversity*. 14: 213. <https://doi.org/10.3390/d14030213>
- 18) Kress, W. J., P. Soltis, J. H. Leebens-Mack, J. Wegrzyn, **M. R. Gostel**, P. Kersey, X. Liu, and D. E. Soltis. 2022. Green plant genomes: what we know in an era of rapidly expanding opportunities.

Proceedings of the National Academy of Sciences. 119: e2115640118.

<https://doi.org/10.1073/pnas.2115640118>

- 17) Bueno, V. R.*, **M. R. Gostel**, G. Heiden. 2021. An overview of the Neurolaeneae (Compositae). *Capitulum*. 1: 36–43.
- 16) Linsky, J. and **M. R. Gostel**. 2021. The Global Genome Initiative for Gardens: Conservation priorities at the interface of botanic gardens and biodiversity genomics. *BGJournal*. 18: 21–23.
- 15) **Gostel, M. R.**, and M. Bonifacino. 2020. Global Compositae Database: a powerful new taxonomic resource. *Taxon*. 69: 1137–1138. doi: <https://doi.org/10.1002/tax.12326>
- 14) **Gostel, M. R.**, J. D. Zúñiga, W. J. Kress, V. A. Funk, and C. Puente-Lelievre. 2020. Microfluidic enrichment barcoding (MEBarcoding): a new method for high throughput plant DNA barcoding. *Scientific Reports*. 10: 8701. doi: <https://doi.org/10.1038/s41598-020-64919-z>
- 13) Zúñiga, J.D., **M. R. Gostel**, D. G. Mulcahy, K. Barker, A. Hill*, M. Sedaghatpour*, S. Q. Vo*, V. A. Funk, and J. A. Coddington. 2017. Data Release: DNA barcodes of plant species collected for the Global Genome Initiative for Gardens Program, National Museum of Natural History, Smithsonian Institution. *Phytokeys* 88: 119–122, doi: <https://doi.org/10.3897/phytokeys.88.14607>.
- 12) Lowry, P. P. II, G. M. Plunkett, and **M. R. Gostel**. 2017. A synopsis of the Afro-Malagasy species previously included in *Schefflera* J.R. Forst. & G. Forst. (Araliaceae): resurrection of the genera *Astropanax* Seem. and *Neocussonia* (Harms) Hutch. *Candollea* 72: 265–282, doi: <https://doi.org/10.15553/c2017v722a4>.
- 11) **Gostel, M. R.**, G. M. Plunkett, and P. P. Lowry II. 2017. Straddling the Mozambique Channel: molecular evidence for two major clades of Afro-Malagasy *Schefflera* (Araliaceae) co-occurring in Africa and Madagascar. *Plant Ecology and Evolution* 150: 87–108, doi: <https://doi.org/10.5091/plecevo.2017.1193>.
- 10) Funk, V. A., **M. R. Gostel**, A. Devine, C. L. Kelloff, K. J. Wurdack, C. Tuccinardi, A. Radosavljevic*, M. Peters, and J. Coddington. 2017. Guidelines for collecting vouchers and tissues intended for genomic work (Smithsonian Institution): Botany Best Practices. *Biodiversity Data Journal* 5: e11625, doi: <https://doi.org/10.3897/BDJ.5.e11625>.
- 9) **Gostel, M. R.**, A. Weeks, J. Raharimampionona, and P. B. Phillipson. 2016. A partial taxonomic revision of the Rhynchocarpa clade of *Commiphora* (Burseraceae) endemic to Madagascar. *Systematic Botany* 41: 1004–1019. doi: <https://doi.org/10.1600/036364416X694134>.
- 8) Collins, E. S.*, **M. R. Gostel**, and A. Weeks. 2016. An expanded nuclear phylogenomic PCR toolkit for Sapindales. *Applications in Plant Sciences* 4: e1600078. doi: <https://doi.org/10.3732/apps.1600078>
- 7) **Gostel, M. R.**, C. Kelloff, K. Wallick, and V. A. Funk. 2016. A workflow to preserve genome quality tissue samples from plants in botanical gardens and arboreta. *Applications in Plant Sciences* 4: e1600039. doi: <https://doi.org/10.3732/apps.1600039>
- 6) **Gostel, M. R.**, P. B. Phillipson, and A. Weeks. 2016. Phylogenetic reconstruction of the myrrh genus, *Commiphora* (Burseraceae), reveals multiple radiations in Madagascar and clarifies infrageneric relationships. *Systematic Botany* 41: 67–81. doi: <https://doi.org/10.1600/036364416X690598>.
- 5) Seberg, O., G. Droege, K. Barker, J. A. Coddington, V. Funk, **M. R. Gostel**, G. Petersen, and P. P. Smith. 2016. Global Genome Biodiversity Network: saving a blueprint of the Tree of Life – a botanical perspective. *Annals of Botany* 118: 393–399. doi: <https://doi.org/10.1093/aob/mcw121>.
- 4) **Gostel, M. R.**, K. A. Coy*, and A. Weeks. 2015. Microfluidic PCR-based target enrichment: A case study in two rapid radiations of *Commiphora* (Burseraceae) from Madagascar. *Journal of Systematics and Evolution* 53(5): 411–431. doi: <https://doi.org/10.1111/jse.12173>.

- 3) Schwebach, J. R., D. Gerasimova, D. A. Luther, A. B. Verhoeven, C. P. Davis, **M. R. Gostel**, C. Romulo, L. Schreffler, P. Seshaiyer, and J. K. Nelson. 2015. Advancing graduate education and faculty development with discipline based education research and the SIMPLE framework: design memos in biology for active teaching. *Athens: ATINER'S Conference Paper Series*, No: BIO2015-1599.
- 2) **Gostel, M. R.** and A. Weeks. 2014. Development of novel, exon-primed intron-crossing (EPIC) markers from EST databases and evaluation of their phylogenetic utility in *Commiphora* (Burseraceae). *Applications in Plant Sciences* 2(4):1300098. doi: <https://doi.org/10.3732/apps.1300098>.
- 1) **Gostel, M. R.**, M. Dal-Forno, and A. Weeks. 2013. A navigation guide to cyberinfrastructure tools for botanical and lichenological systematics research. *Plant Science Bulletin* 59(3):111–130. doi: <https://doi.org/10.3732/psb.1300001>.

BOOK CHAPTERS

Raharimampionona, J., **M. R. Gostel**, and D. C. Daly. Burseraceae in (ed. S. M. Goodman) *The Natural history of Madagascar*, 2nd Edition. Chicago: The University of Chicago Press.

PUBLICATIONS, AS SPECIAL ISSUE EDITOR

- Kress, W. J. and **M. R. Gostel**. 2022. Special Issue “Plant DNA Barcodes, Community Ecology, and Species Interactions. *Diversity*.
https://www.mdpi.com/journal/diversity/special_issues/Plant_DNA_Barcodes
- Sharrock, S., J. Linsky, and **M. R. Gostel**. 2021. From genes to genomes: botanic gardens embracing new tools for conservation and research. A special issue of *BGJournal*. 18(1).
<https://www.bgci.org/wp/wp-content/uploads/2021/03/BGjournal18.1MedResRed.pdf>

PUBLICATIONS, IN PRESS

Gostel, M. R., B. Loeuille, M. H. Santana*, C. L. Kelloff, R. Chan, A. R. G. Simões, I. Larridon, and V. A. Funk. Molecular phylogenetics of *Distephanus* supports the recognition of a new tribe, Distephaneae (Asteraceae). Accepted to *The Botanical Journal of the Linnean Society*.

PUBLICATIONS, IN REVIEW

- Sallon, S., E. Solowey, **M. R. Gostel**, M. Egli, G. Flematti, B. Bohman, P. Schaeffer, P. Adam, and A. Weeks. Can an unknown *Commiphora* species germinated from an ancient seed solve a Biblical mystery? Submitted to *Science Advances*.
- Bueno, V. R.*, G. H. L. Silva, C. A. Reis-Silva, A. M. Teles, J. N. Nakajima, **M. R. Gostel**, and G. Heiden. A new narrower circumscription and a nomenclatural synopsis for *Calea* sect. *Meyeria* (Asteraceae: Neurolaeneae). Submitted to *Phytotaxa*.
- Bueno, V. R.*, G. H. L. Silva, C. A. Reis-Silva, A. M. Teles, J. N. Nakajima, **M. R. Gostel**, and G. Heiden. Nomenclatural synopsis of the new *Calea* ser. *Candolleanae* (Asteraceae: Neurolaeneae), a clade endemic to Eastern and Central Brazil. Submitted to *Phytotaxa*.

PUBLICATIONS, IN PREPARATION

Gostel, M. R., A. Weeks, J. Raharimampionona, and P. B. Phillipson. A partial revision of *Commiphora* from southern Madagascar. To be submitted to *Systematic Botany*.

INVITED SEMINARS AND PRESENTATIONS

- 21) 5 March 2024. Gostel, M. R. Collecting Ironweeds in South Africa: A Travelogue. Research lecture series at the Botanical Research Institute of Texas (BRIT). Fort Worth, TX, USA. Recording available: https://www.youtube.com/watch?v=OQrJDHLqr_4
- 20) 27 November 2023. Gostel, M. R. & Loeuille, B. Unlocking collections and taxonomic data in the digital age & an Overview of the tribe Vernonieae (Asteraceae) in South Africa. Invited workshop & research presentation. National Herbarium, Pretoria, South Africa.
- 19) 12 June 2023. How do we overcome the biodiversity crisis? Collections-based research solutions for the next generation. KABAM! Kew Advances in Botany and Mycology seminar series. Royal Botanic Gardens, Kew.
- 18) 30 January 2023. How do we overcome the biodiversity crisis? Collections-based research solutions for the next generation. Department Seminar, Plant Biology. University of Georgia, Athens, GA, USA.
- 17) 1 December 2022. Plant Science Conversations: Frankincense and Myrrh. Monthly speaker series of the United States Botanic Garden. Recording available: <https://www.youtube.com/watch?v=crvRiUS7xLY>
- 16) 28 April 2022. Introduction to GGI-Gardens for the African BioGenome Project General Assembly meeting. Recording available: https://us02web.zoom.us/rec/share/uaVRVdR2ohkH027e-drWWdx9xiNwNK56ATHb8XMjH1DUcz_280whRL-takedFXS.jPNF88R9v7lr-rYw
- 15) 16 March 2021. Introduction to GGI-Gardens for the Global Conservation Consortium for Oaks (GCCO). Monthly meeting of the GCCO. Recording available: https://drive.google.com/file/d/1d_Gr8ikWmLmpU5s1C-M_aCGfCOc3rXYL/view
- 14) 18 November 2021. *Building bridges between the horticultural and research communities: collections, genomics, and teamwork*. Invited speaker for the Fall 2021 Horticultural Seminar Series, Texas A&M University. Recording available: <https://aggie-hort.tamu.edu/departamental/seminar/GOSTEL-SEMINAR-18NOV21.mp4>
- 13) 16 August 2021. *Leveraging phylogenomic loci to understand generic boundaries in Gochnatieae and species diversification in Moquiniastrium*. Invited speaker for the International Compositae Alliance seminar series (TICA Talks). Recording available: <https://www.youtube.com/watch?v=qz7yk96nww4&t=2131s>
- 12) 16 March 2021. Gardens and *ex situ* conservation. Quarterly meeting of the Global Conservation Consortium for Oaks.
- 11) 10 July 2019. *The Global Genome Initiative for Gardens: unlocking the potential of living collections for genomics in the 21st Century*. Invited speaker at Mercer Botanic Gardens. Humble, TX USA.
- 10) 12 June 2019. *The Global Genome Initiative for Gardens: unlocking the potential of living collections for genomics in the 21st Century*. Brown Bag Seminar at Lady Bird Johnson Wildflower Center. Austin, TX USA.
- 9) 5 March 2019. *What makes a biodiversity hotspot so hot? Exploring plant species diversity in Madagascar*. Research Lecture Series at the Botanical Research Institute of Texas (BRIT). Fort Worth, TX USA.
- 8) 26 October 2018. *Leveraging Phylogenomics to Improve Resolution of the evolutionary history of Moquiniastrium and the tribe to which it belongs, Gochnatieae (Compositae)*. Invited presenter, Evolución de las Compositae en un Contexto Global. XII Congreso Latinoamericano de Botánica. Quito, Ecuador.
- 7) 10 October 2018. *The Global Genome Initiative for Gardens: unlocking the potential of living collections for genomics in the 21st Century*. Invited panelist, BionorthTX iC3 Life Science Summit. Arlington, Texas.

- 6) 11 January 2018. *Navigating the phylogenomic landscape for angiosperm systematics: two case studies in Burseraceae and Compositae*. Invited Brown Bag Seminar. Botanical Research Institute of Texas, Fort Worth, Texas USA.
- 5) 7 November 2017. *The Global Genome Initiative for Gardens: unlocking the potential of living collections for genomics in the 21st Century*. Invited seminar for the monthly meeting of the Botanical Society of Washington. Washington, DC USA.
- 4) 25 October 2017. *Building botanical literacy through outreach with gardens and public schools*. Core Facility Botanical Garden, University of Vienna, Austria.
- 3) 19 October 2017. *The Global Genome Initiative for Gardens: unlocking the potential of living collections for genomics in the 21st Century*. Departmental Seminar, Institut für Pflanzenwissenschaften, Bereich Systematische Botanik, und Geobotanik. Karl-Franzens-Universität Graz, Austria.
- 2) 7 September 2017. *Navigating the phylogenomic landscape for angiosperm systematics: Two case studies in Asteraceae and Burseraceae*. Departmental Seminar, Plant Biology, Ecology, and Evolution. Oklahoma State University, Stillwater, OK USA.
- 1) 18 January 2017. *Harnessing phylogenomics and biological collection networks to uncover patterns of plant evolution*. Departmental Seminar, Biological Sciences. The University of Alabama, Tuscaloosa, AL USA.

PAPERS/POSTERS AT NATIONAL OR INTERNATIONAL MEETINGS, *indicates student co-author

- 38) Bueno, V.N.R., **Gostel, M.R.**, & Heiden, G. *Enydra* Lour. e *Neurolaena* L. (Asteraceae: Neurolaeneae) no Brasil: confirmações de ocorrência e novos registros. 73rd Congresso Nacional de Botânica. Belem, Pará, Brazil. 29 October – 4 November 2023.
- 37) Bueno, V.N.R., **Gostel, M.R.**, & Heiden, G. Se eu não vou ao campo, o campo vem a mim. 73rd Congresso Nacional de Botânica. Belem, Pará, Brazil. 29 October – 4 November 2023.
- 36) Schmeder, I.* & **M. R. Gostel**. Development of Integrative Taxonomic Resources for the Global Composite Database: a case study in the ironweed tribe, Vernonieae (Compositae). Texas Plant Conservation Conference 2023. Fort Worth, Texas. 14–15 August 2023.
- 35) Schmeder, I.* & **M. R. Gostel**. Development of Integrative Taxonomic Resources for the Global Composite Database: a case study in the ironweed tribe, Vernonieae (Compositae). National meetings of the Botanical Society of America and the American Society of Plant Taxonomists. Boise, Idaho. 22–26 July 2023.
- 34) Hamby, S., E. Flinchbaugh, T. F. Rehman, **M. R. Gostel**, A. Niño, and J. Best. Collection use, integration, and access at FWBG/BRIT. American Public Gardens Association 2023 Annual Conference. Fort Worth, Texas. 5–8 June 2023.
- 33) Gostel, M. R. & E. Thomas. Adding value to your collections: GGI-Gardens Partner awards bring genomic research to your garden's doorstep. American Public Gardens Association 2023 Annual Conference. Fort Worth, Texas. 5–8 June 2023.
- 32) **Gostel, M.R.** The GGI-Gardens Partner Award Program: Facilitating international plant conservation and genomics. Symposium: *The Power of Conservation Partnerships*. 7th Global Botanic Gardens Congress. Melbourne, Australia. 25–29 September 2022.
- 31) **Gostel, M. R.**, Funk, V. A., Kelloff, C. L., and Loeuille, B. Pruning the ironweeds: diversity, evolution, and phylogenetic placement of the distinctive genus *Distephanus* (Compositae). National meetings of the Botanical Society of America and the American Society of Plant Taxonomists. 24–27 July 2022.
- 30) **Gostel, M. R.**, Funk, V. A., Kelloff, C. L., and Loeuille, B. Pruning the ironweeds: diversity, evolution, and phylogenetic placement of the distinctive genus *Distephanus* (Compositae). 22nd AETFAT Congress, Livingstone, Zambia. 27 June – 1 July 2022.

- 29) **Gostel, M. R.**, J. Linsky, and A. H. Meyer. Conservation priorities at the interface of botanic gardens and biodiversity genomics. 2020 Center for Plant Conservation National Meeting (Virtual). 8–9 October 2020.
- 28) **Gostel, M. R.**, J. Linsky, and A. H. Meyer. Crowdsourcing the genomic revolution for plants: a partnership at the interface of biorepositories and gardens. Biodiversity Genomics 2020 (Virtual). 5–9 October 2020.
- 27) Linsky, J., **M. R. Gostel**, and A. H. Meyer. Assessing conservation priorities for Texas at the interface of botanic gardens, conservation, and genomics. 2020 Texas Plant Conservation Conference (Virtual). 13–14 August 2020.
- 26) Linsky, J., **M. R. Gostel**, and A. H. Meyer. How does your garden grow? Analyzing living collections for conservation and priorities using integrated gap analysis tools. National meetings of the Botanical Society of America and the American Society of Plant Taxonomists (Virtual). 27–31 July 2020.
- 25) Linsky, J., **M. R. Gostel**, and A. H. Meyer. Gap analysis and prioritization for the Global Genome Initiative for Gardens Partnership. American Public Gardens Association 2020 Annual Conference (Virtual). 25 June – 9 July 2020.
- 24) **Gostel, M. R.** Bridging gardens and *ex situ* conservation in Texas: GGI-Gardens. Annual Meeting of the Texas Association of Botanical Gardens and Arboreta. Dallas, TX USA. 12–14 February 2020.
- 23) **Gostel, M. R.** and V. A. Funk. Generation gaps: Improving resolution at the tribal scale in the Gochnatieae (Compositae) with low-cost phylogenomic tools. National meetings of the Botanical Society of America and the American Society of Plant Taxonomists. Tucson, AZ USA. 27–31 July 2019.
- 22) **Gostel, M. R.** GGI-Gardens from the ground up: building a network of botanical gardens and biorepositories to preserve plant biodiversity from living collections. 2018 Texas Plant Conservation Conference. Fort Worth, TX USA. 19–21 September 2018.
- 21) **Gostel, M. R.** and V. A. Funk. Where did you come from? Where did you go? A survey of the diversity of Compositae (Asteraceae) in Madagascar. National meetings of the Botanical Society of America and the American Society of Plant Taxonomists. Rochester, MN USA. 21–25 July 2018.
- 20) **Gostel, M. R.** The Global Genome Initiative for Gardens: unlocking the potential of living collections for genomics in the 21st Century. American Public Gardens Association 2018 Annual Conference. Anaheim, CA USA. 4–8 June 2018.
- 19) **Gostel, M.R.** and V. A. Funk. Unlocking the hidden biodiversity in Botanical Gardens through the Global Genome Initiative for Gardens. Global Genome Biodiversity Network 2018 Conference. Vienna, Austria. 22–25 May 2018.
- 18) **Gostel, M. R.** and V. A. Funk. An updated phylogeny of *Moquiniastrum* (Gochnatieae, Compositae) revealed by a novel molecular marker set using low cost phylogenomic methods. XIX International Botanical Congress. Shenzhen, Guangdong, China. 23–29 July 2017.
- 17) **Gostel, M. R.** and C. Adams. Online mentoring program opens students' eyes to plants and plant scientists. XIX International Botanical Congress. Shenzhen, Guangdong, China. 23–29 July 2017.
- 16) **Gostel, M. R.**, C. Newlander, A. M. Devine, K. Barker, J. A. Coddington, and V. A. Funk. The Global Genome Initiative for Gardens partnership: Harnessing living collections for a worldwide network of voucher preserved tissues. Annual meetings of the American Public Gardens Association. Hamilton, Ontario, Canada. 19–23 June 2017.
- 15) Lowry II, P. P., **M. R. Gostel**, G. M. Plunkett, and D. G. Frodin. No more *Schefflera* (Araliaceae) in Africa and Madagascar: resurrection of the genera *Astropanax* and *Neocussonia*. XXI AETFAT Congress, Nairobi, Kenya. 15–19 May 2017.
- 14) Gonzalez, V. L., R. B. Dikow, P. B. Frandsen, M. Kveskin, G. Johnson, **M. R. Gostel**, T. Muruvanda, M. Allard, S. Keeley, V. A. Funk, and J. R. Mandel. Building a reference genome for *Centrapalus pauciflorus*, an African oilseed crop (Compositae). BioGenomics 2017 – Global Biodiversity

- Genomics Conference. Smithsonian National Museum of Natural History. Washington, D.C. 21–23 February 2017.
- 13) **Gostel, M. R.**, R. Dikow, K. Freitas, G. Sancho, N. Roque, and V. A. Funk. Exploring PCR-based target enrichment applications for a ‘critically placed tribe’ in Compositae: rapid radiations in South American *Moquiniastrum* (Gochnatieae). National meetings of the Botanical Society of America and the American Society of Plant Taxonomists. Savannah, Georgia. 30 July – 3 August 2016.
 - 12) **Gostel, M. R.**, K. A. Coy*, and A. Weeks. Species-level phylogenetic resolution of Madagascan *Commiphora* (Burseraceae) revealed by multilocus target enrichment. National meetings of the Botanical Society of America and the American Society of Plant Taxonomists. Edmonton, Alberta, Canada. 25–29 July 2015.
 - 11) **Gostel, M. R.**, A. Verhoeven, C. W. Edwards, and J. R. Schwebach. A call to train: Graduate teaching assistants, writing, and the STEM curriculum. National meetings of the Botanical Society of America and the American Society of Plant Taxonomists. Edmonton, Alberta, Canada. 25–29 July 2015.
 - 10) Coy, K. A., A. Weeks, and **M. R. Gostel**. Developing and evaluating novel nuclear markers for phylogenetic reconstruction in the myrrh genus, *Commiphora* Jacq. (Burseraceae) using multiplexed target enrichment. National Meetings of the Botanical Society of America and the American Society of Plant Taxonomists. Boise, Idaho. 26–30 July 2014.
 - 9) **Gostel, M. R.** and A. Weeks. Reconstructing patterns of microendemism in Madagascan seasonally dry tropical forests: Dating the divergence of four radiations in the myrrh genus, *Commiphora* Jacq. (Burseraceae) using a five-marker phylogeny. National meetings of the Botanical Society of America and the American Society of Plant Taxonomists. Boise, Idaho. 26–30 July 2014.
 - 8) Coy, K. A., A. Weeks, and **M. R. Gostel**. Developing and evaluating novel nuclear markers for phylogenetic reconstruction in the myrrh genus, *Commiphora* Jacq. (Burseraceae) using multiplexed target enrichment. National meetings of the Society for the Study of Evolution and the Society of Systematic Biologists. Raleigh, North Carolina. 20–24 June 2014.
 - 7) **Gostel, M. R.** and A. Weeks. A history of arrivals and subsequent diversification in Madagascar: A case study from the myrrh genus, *Commiphora* Jacq. (Burseraceae). National meetings of the Society for the Study of Evolution and the Society of Systematic Biologists. Raleigh, North Carolina. 20–24 June 2014.
 - 6) **Gostel, M. R.** and A. Weeks. Developing novel EPIC primers for shallow-scale phylogenetic inference and assessing their phylogenetic utility in a recently derived lineage of Madagascan *Commiphora* (Burseraceae). National meetings of the Botanical Society of America and the American Society of Plant Taxonomists. New Orleans, Louisiana. 27–31 July 2013.
 - 5) Weeks, A. and **M. R. Gostel**. Resolving the evolutionary history of copal and myrrh trees (Burserinae; Burseraceae). National meetings of the Botanical Society of America and the American Society of Plant Taxonomists. New Orleans, Louisiana. 27–31 July 2013.
 - 4) **Gostel, M. R.** and A. Weeks. Multiple Island Radiations of Malagasy *Commiphora* (Burseraceae). XVIIIth International Botanical Congress, Melbourne, Victoria, Australia. 24–30 July 2011.
 - 3) **Gostel, M. R.**, G. M. Plunkett, and P. P. Lowry II. African-Malagasy *Schefflera* (Araliaceae), revisited: Expanded sampling reveals insights into morphological and biogeographic patterns. National meetings of the Botanical Society of America & the American Society of Plant Taxonomists, Providence, Rhode Island. 7–11 July 2012.
 - 2) **Gostel, M. R.**, G. M. Plunkett, and P. P. Lowry II. Evolutionary relationships in African-Malagasy *Schefflera*: Exploring phylogenetic and biogeographic connections. XIXth AETFAT Congress (Association for the Taxonomic Study of the Flora of Tropical Africa), Antananarivo, Madagascar. *Scripta Bot. Belg.* 46: 195. 25–30 April 2010.
 - 1) **Gostel, M. R.**, G. M. Plunkett, and P. P. Lowry II. Evolutionary relationships in African-Malagasy *Schefflera*: Exploring phylogenetic and biogeographic connections. National meetings of the

Botanical Society of America and the American Society of Plant Taxonomists. Snowbird, Utah. 25–29 July 2009.

AWARDS & FELLOWSHIPS

2014–2015 Graduate Research Assistantship, George Mason University
2015 Departmental Research Fellowship Award, George Mason University
2011–2014 Graduate Teaching Assistantship, George Mason University
2014 Elaine Joyce Outstanding Graduate Student Teaching Award
2012 Research Grant for Graduate Students, American Society of Plant Taxonomists
2011 Graduate Student Research Fellowship, George Mason University
2010–2012 Graduate Research Assistantship, George Mason University
2008–2010 Graduate Teaching Assistantship, Virginia Commonwealth University

TEACHING EXPERIENCE

2013–2014 **BIOL 310**, Biodiversity (Lab and recitation), Instructor of record
4 semesters. 12–24 students per semester, 2 contact hours.
George Mason University
2012 **BIOL 103**, Introductory Biology I (Lecture), Instructor of record
2 semesters. 130–150 students, 3 contact hours.
George Mason University
2012 **BIOL 104**, Introductory Biology II (Lab), Instructor of record
2 semesters, 18–22 students, 1 contact hour.
George Mason University
2011–2012 **BIOL 103**, Introductory Biology I (Lab), Instructor of record
3 semesters, 16–24 students, 1 contact hour.
George Mason University
2011 **BIOL 304**, Plant Biology (Lab), Instructor of record
1 semester, 17 students, 1 contact hour.
George Mason University
2008–2010 **BIOZ 151**, Introduction to Biological Sciences I (Lab). Instructor of record
6 semesters, 14–20 students, 1 contact hour.
Virginia Commonwealth University

STUDENT MENTORSHIP

2023–Present Andotiana Andriamanohera (Ph.D. student mentee, University of Texas at Arlington);
Rodrigo Nicolao (Ph.D. student mentee, Universidade Federal do Rio Grande do Sul,
Brazil)
2022–Present Claudenice Dalastra (Ph.D. student mentee, Universidade Federal do Rio Grande do Sul,
Brazil).
2020–Present Vinícius Bueno (Ph.D. student mentee, Universidade Federal do Rio Grande do Sul,
Brazil).
2019 (3) Camille Carey (Undergraduate student mentee), Seth Hamby and Farahnoz Khojayori,
GGI-Gardens interns.
2017 (2) Jacob Suissa, Kadiera Ingram, GGI-Gardens interns, Smithsonian Institution.
2016 (5) Kadiera Ingram, Kathryn Faulconer, Maryam Sedaghatpour, Monica Marcelli, Samantha
Vo, GGI-Gardens interns, Smithsonian Institution.
2013–2014 Kiera Coy, undergraduate researcher. George Mason University. Undergraduate Research
Scholars Program

WORKSHOPS AND SYMPOSIA ORGANIZED

- 10) **Gostel, M. R.**, A. Black, and J. Ackerfield. Fieldwork for the 21st Century: How to grow your garden's impact for research through herbarium and genomic biorepository vouchers. 2021 American Public Gardens Association Annual Conference (Virtual). 7–10 June 2021.
- 9) Global Compositae Database. Workshop for taxonomic backbone editors, organized by the World Registry of Marine Species (WoRMS) and Lifewatch, Belgium. Flanders Marine Institute, Oostende, Belgium. 28–31 October 2019.
- 8) **Gostel, M.R.**, M. S. Islam, C. Newlander, A. Meyer, M. Dosmann, and R. Folgado. Your Garden's Impact for Research: Uses, Tracking, and Getting Credit. Session organized for the American Public Gardens Association 2019 National Conference, Washington, DC USA. 17–21 June 2019.
- 7) **Gostel, M. R.**, V. Handley, J. R. Neale, and K. Wallick. The Global Genome Initiative for Gardens: unlocking the potential of living collections for genomics in the 21st Century. Session organized for the American Public Gardens Association 2018 National Conference. Anaheim, CA USA. 4–8 June 2018.
- 6) **Gostel, M. R.** Garden Genomics Tissue Banking Workshop. XIX International Botanical Congress. Shenzhen, Guangdong, China. 26 July 2017.
- 5) **Gostel, M. R.**, A. Novy, and J. Ramp Neale. Living Collections, biorepositories, and plant genomic preservation: A roundtable discussion with GGI-Gardens. 6th Global Botanic Garden Congress. Geneva, Switzerland. 27 June 2017.
- 4) **Gostel, M. R.** and V. A. Funk. Stakeholder breakout session for the Global Genome Initiative for Gardens. Global Genome Biodiversity Network North American Workshop. 13 April 2017.
- 3) Dal Forno, M. and **M. R. Gostel**. Utilizing Molecular Resources in Research. Universidade de Santa Cruz do Sul, Santa Cruz do Sul, RS, Brazil. 8 hours, January 9, 2017.
- 2) **Gostel, M. R.**, K. Barker, J. C. Coddington, and V. A. Funk. 2016. Implementing voucher and genome-quality tissue sampling workflows for Global Genome Initiative-Gardens. GGBN 2016: Meeting the Challenge to Preserve a Cross-section of the Tree of Life. Berlin, Germany.
- 1) **Gostel, M. R.** and J. Giddens. 2014. Crafting an effective elevator speech and communicating broader impacts of your work: Networking workshop for students and postdocs. National Meetings of the Botanical Society of America and the American Society of Plant Taxonomists. Boise, Idaho.

PUBLIC OUTREACH & MEDIA

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| 2024 | GGI-Gardens Newsletter, Issue 14, February 2023. https://fwbg.org/wp-content/uploads/2024/02/GGI-Gardens-Newsletter-Issue-14.pdf |
| 2024 | JNTBGRI wins 2024 Global Genome Initiative for Gardens Award. 15 February 2024. The Hindu. https://www.thehindu.com/news/national/kerala/jntbgri-wins-2024-global-genome-initiative-for-gardens-award/article67850184.ece |
| 2023 | GGI-Gardens Newsletter, Issue 13, October 2023. https://fwbg.org/wp-content/uploads/2023/10/Issue13_GGI_Gardens_Newsletter.pdf |
| 2023 | GGI-Gardens Newsletter, Issue 12, July 2023. https://fwbg.org/wp-content/uploads/2023/07/Issue12_GGI_Gardens_Newsletter.pdf |
| 2023 | GGI-Gardens Newsletter, Issue 11, April 2023. https://fwbg.org/wp-content/uploads/2023/04/issue11_GGI_Gardens_Newsletter.pdf |
| 2023 | In our DNA: GGI-Gardens Partner Awards help gardens add value to their living collections. Public Gardens Magazine. 38(1): 22–23. https://indd.adobe.com/view/0086ba86-04cf-44ff-8779-9d8d1ff075d6 |
| 2022 | GGI-Gardens Newsletter, Issue 10, October 2022. https://fwbg.wpenginepowered.com/wp-content/uploads/2022/12/GGIG-Newsletter_Issue10.pdf |

- 2022 GGI-Gardens Newsletter, Issue 9, July 2022. https://fwbg.org/wp-content/uploads/2022/07/Issue9_2022_GGI-Gardens-Newsletter_Final.pdf
- 2022 GGI-Gardens Newsletter, Issue 8. March 2022. https://fwbg.org/wp-content/uploads/2022/04/Issue8_Final.pdf
- 2022 Botanists launch DNA ‘moonshot’ 11 March 2022. <https://greensourcedfw.org/articles/botanists-launch-dna-moon-shot>
- 2022 Fort Worth researchers are all in for ‘moonshot’ project to catalog all plant life on Earth. 25 January 2022. <https://fortworthreport.org/2022/01/25/fort-worth-researchers-are-all-in-for-moonshot-project-to-catalog-all-plant-life-on-earth/>
- 2022 Untangling the roots of plant genomes: Supporting a “moonshot” for botany. 19 January 2022. <https://www.eurekalert.org/news-releases/940627>
- 2021 GGI-Gardens Newsletter, Issue 7. November 2021. https://fwbg.org/wp-content/uploads/2021/11/Issue7_Final.pdf
- 2021 GGI-Gardens Newsletter, Issue 6. July 2021. <https://fwbg.org/wp-content/uploads/2021/07/Issue6.pdf>
- 2021 Meet a Texas Plant Hunter Who’s Combining Forests and Fields to Save Rare Flowers. Texas Monthly. 1 June 2021. <https://www.texasmonthly.com/travel/texas-plant-hunter-saving-rare-flowers/>
- 2021 GGI-Gardens Newsletter, Issue 5. April 2021. <https://fwbg.org/wp-content/uploads/2021/05/GGIGardensNewsletter-Issue5.pdf>
- 2021 5 U.S. Botanic Gardens awarded grants to preserve global plant biodiversity. American Public Gardens Association. March 2021. <https://www.publicgardens.org/news/article/5-us-botanic-gardens-awarded-grants-preserve-global-plant-biodiversity>
- 2021 JNTBGRI joins Global Genome Initiative. The Hindu. 9 March 2021. <https://www.thehindu.com/news/national/kerala/jntbgri-joins-global-genome-initiative/article34023126.ece>
- 2021 Dinosaur-era plants flourish in Tasmania’s internationally recognized Jurassic garden. 5 March 2021. <https://www.abc.net.au/news/2021-03-06/tasmanian-jurassic-garden-wins-global-genome-grant/13203436>
- 2021 14 Botanic Gardens Awarded Grant to Preserve Global Plant Biodiversity. Botanic Gardens Conservation International News & Events. <https://www.bgci.org/news-events/14-botanic-gardens-awarded-grant-to-preserve-global-plant-biodiversity/>
- 2021 NWU NUEBG receives 2020–2021 GGI-Garden Award Program. 30 March 2021. <https://www.nwu.edu.ph/archives/15567>
- 2021 GGI-Gardens Newsletter, Issue 4. February 2021. https://fwbg.org/wp-content/uploads/2021/03/Issue4_Final.pdf
- 2020 GGI-Gardens Newsletter, Issue 3. November 2020. https://fwbg.org/wp-content/uploads/2021/03/GGIGardens_Newsletter_Issue3.pdf
- 2020 BRIT scientist describes impact of global conservation leaders to be honored in Fort Worth. Monticello Neighborhood News & Views. October 2020.
- 2020 *COVID-19 and You: checking in with 12 BSA members during a global pandemic*. The Plant Science Bulletin 66(2). <https://botany.org/PlantScienceBulletin/PSB-2020-66-2.pdf>
- 2020 GGI-Gardens Newsletter, Issue 2. August 2020. https://fwbg.org/wp-content/uploads/2021/03/GGI-GardensNewsletter_Issue2-1.pdf
- 2020 *1,000 Ascensions: Madagascar expedition*. Botanical Research Institute of Texas Notes from the Field. <https://fwbg.org/phytophilia-blog/1000-ascensions-madagascar-expedition/>

- 2020 GGI-Gardens Newsletter, Issue 1. April 2020. https://fwbg.org/wp-content/uploads/2021/03/Final_GGIGNewsletterIssue1.pdf
- 2019 *Crowdsourcing Conservation*. Wildflower Magazine Vol. 36, No. 2. https://issuu.com/wildflowercenter/docs/2019_v36_no2_issuu
- 2019 The Plant Press – *The Global Genome Initiative for Gardens at 5 years: Intern retrospectives*. https://nmnh.typepad.com/the_plant_press/2019/11/the-global-genome-initiative-for-gardens-at-5-years-intern-retrospectives.html
- 2019 “Banking Biodiversity” – October Newsletter for the Center for Plant Conservation. <https://saveplants.org/2019/10/01/october-2019-news/>
- 2019 “Herbology, First Year” – Hogwart’s Summer Camp, S. Dillon Ripley Center, Smithsonian Institution
- 2019 CBS DFW – *North Texas Researchers Show Off New Lab*. <https://dfw.cbslocal.com/video/4037408-wx-101-north-texas-researchers-show-off-new-lab/>
- 2017 Latvis, M., A. Naranjo, M. R. Gostel, and M. Chau. *Public Policy Committee report from Congressional Visits Day*. The Plant Science Bulletin 63(2): 59–63. <https://botany.org/PlantScienceBulletin/PSB-2017-63-2.pdf>
- 2017 Chau, M., M. R. Gostel, I. Jordon-Thaden. *Public Policy News*. The Plant Science Bulletin 63(1): 3–4. <https://botany.org/PlantScienceBulletin/PSB-2017-63-1.pdf>
- 2016 Chau, M., M. R. Gostel, and I. Jordon-Thaden. *Big changes coming to ASPT and BSA policy activities*. The Plant Science Bulletin 62(3): 114–115. <https://botany.org/PlantScienceBulletin/PSB-2016-62-3.pdf>
- 2016 Skogen, K. A., M. Chau, and M. R. Gostel. *Summer 2016 Public Policy Note*. The Plant Science Bulletin 62(2): 58–61. <https://botany.org/PlantScienceBulletin/PSB-2016-62-2.pdf>
- 2016 The Plant Press – *Trolling for Garden Genomes*. https://nmnh.typepad.com/the_plant_press/2016/04/trolling-for-garden-genomes.html
- 2016 Chau, M. and M. R. Gostel. *The BSA Public Policy Quarterly*. The Plant Science Bulletin 62(1): 2–3. <https://botany.org/PlantScienceBulletin/PSB-2016-62-1.pdf>
- 2015 BBC News Washington, DC – *Scientists rush to freeze plant DNA before ‘sixth extinction’*. <https://www.bbc.com/news/magazine-33450398>
- 2015 Chau, M. and M. R. Gostel. *The BSA Public Policy Quarterly*. The Plant Science Bulletin 61(4): 126–127. <https://botany.org/PlantScienceBulletin/PSB-2015-61-4.pdf>
- 2015 Gostel, M. R., M. Chau, A. Pais, and I. Jordon-Thaden. *BSA Public Policy Award winners attend Congressional Visits Day*. The Plant Science Bulletin 61(3): 96–99. <https://botany.org/PlantScienceBulletin/PSB-2015-61-3.pdf>
- 2015 Smithsonian Magazine – *These scientists hope to have half the world’s plant families on ice by the end of summer*. <https://www.smithsonianmag.com/smithsonian-institution/these-scientists-hope-have-half-worlds-plant-families-on-ice-by-end-summer-180955867/>
- 2015 Chau, M. and M. R. Gostel. *Public Policy News*. The Plant Science Bulletin 61(2): 63. <https://botany.org/PlantScienceBulletin/PSB-2015-61-2.pdf>
- 2015 Chau, M. and M. R. Gostel. *Public Policy News*. The Plant Science Bulletin 61(1): 14. <https://botany.org/PlantScienceBulletin/PSB-2015-61-1.pdf>
- 2014 Philpott, M., S. Callen, and M. R. Gostel. *BSA students participate in Congressional Visits Day 2014*. The Plant Science Bulletin 60(2): 77–80. <https://botany.org/PlantScienceBulletin/PSB-2014-60-2.pdf>
- 2013 Gostel, M. R., L. K. Tuominen, and K. LeCroy. *Second annual BSA public policy committee Capitol Hill visit*. The Plant Science Bulletin 59(3): 85–87. <https://botany.org/PlantScienceBulletin/PSB-2013-59-3.pdf>

2012 Chau, M. and M. R. Gostel. *BSA student activists visit Capitol Hill*. The Plant Science Bulletin 58(2): 44–46. <https://botany.org/PlantScienceBulletin/PSB-2012-58-2.pdf>

PROFESSIONAL SERVICE

- 2023–2029 **Council Member**, International Association for Plant Taxonomy.
2022–2023 **Working Group Member**, NSF BIO-LEAPS #2134321.
Research Coordination Network (RCN): ROOT&SHOOT: Rooting Out Oppression Together & Sharing Our Outcomes Transparently.
2020–2022 **Member**, Graduate Student Research Award Committee.
Botanical Society of America
2019–Present **Editor**, Dicomeae, Tageteae, & Vernonieae. The Global Compositae Database.
The Compositae Working Group. <http://Compositae.org>
2018–Present **Director**, The Global Genome Initiative for Gardens (GGI-Gardens).
National Museum of Natural History and the Botanical Research Institute of Texas.
2018–Present **Lab Safety Coordinator**, George C. and Sue W. Molecular and Structural Laboratory,
Botanical Research Institute of Texas.
2015–Present **Member**, The International Compositae Alliance (TICA).
2015–2018 **Program Manager**, The Global Genome Initiative for Gardens.
National Museum of Natural History, Smithsonian Institution.
2014–2017 **Co-chair**, Public Policy Committee.
Botanical Society of America
2010–2018 **Mentor**, Master Plant Science Team.
PlantingScience (<http://www.plantingscience.org>)
2012–Present **Mentor**, Preparing Leaders and Nurturing Tomorrow’s Scientists.
National Meetings of the Botanical Society of America
2012–2014 **Student representative**, Board of Directors.
Botanical Society of America
2011–2014 **Student representative**, Finance Committee.
Botanical Society of America
2011–2012 **Vice-President**, Environmental Science & Policy Graduate
Student Association. George Mason University
2009–2010 **President**, Graduate Organization of Biology Students (GOBS).
Virginia Commonwealth University
2008 **Secretary**, Promotion and Tenure Committee (Dr. Robert Tombes).
Virginia Commonwealth University

FIELD EXPERIENCE

Africa

Botswana, Madagascar (All regions except for Analanjirofo and Sava), South Africa, Zambia

Australia

Victoria

North America

U.S.A. (Central, Mid-Atlantic, South East; South; especially Maryland, Virginia, North Carolina, Texas, West Virginia)

South America

Brazil (States of Rio Grande do Sul & Santa Catarina)

PROFESSIONAL MEMBERSHIP

American Public Gardens Association (APGA)

American Society of Plant Taxonomists (ASPT), *Lifetime*
Botanic Gardens Conservation International (BGCI)
Botanical Society of America (BSA), *Lifetime*
International Association of Plant Taxonomists (IAPT), *Lifetime*
Torrey Botanical Society

MANUSCRIPT REVIEW

Adansonia, American Journal of Botany, Botanical Journal of the Linnean Society, Brittonia, Diversity, Ecology and Evolution, Evolution, Genes, GIGASCIENCE, Journal of Systematics and Evolution, Journal of the Botanical Research Institute of Texas, Kew Bulletin, Molecular Ecology, Molecular Phylogenetics and Evolution, Novon, PhytoKeys, PLoS:ONE, Rheedia, Rodriguésia, Systematic Biology, Systematic Botany

PROFESSIONAL DEVELOPMENT & TRAINING COURSES TAKEN

2023	Improving workplace climate: empowering individuals to become active bystanders. Workshop provided by the ADVANCEGeo Partnership. 27 June 2023.
2012–2017	Team leader , Biological and Ecological Sciences Coalition (BESC). Congressional Visits Day. Washington, D.C.
2011	Workshop on Comparative Genomics: Special Session. Washington, D.C. October 3–7, 2011.

HERBARIA VISITED

Billie L. Turner Plant Resources Center, University of Texas at Austin, USA (TEX); Botanischer Garten und Botanisches Museum Berlin-Dahlem, Germany (B); Botanical Research Institute of Texas (BRIT); Centre National de la Recherche Appliquée au Développement Rural, Madagascar (TEF); Conservatoire et Jardin botaniques de la Ville de Genève, Switzerland (G); George Mason University Herbarium, USA (GMUF); Karl-Franzens-Universität Graz, Austria (GZU); Lundell Herbarium, University of Texas Austin, USA (LL); Meise Botanic Garden, Belgium (BR); Missouri Botanical Garden, USA (MO); Muséum National d'Histoire Naturelle, France (P); Parc de Tsimbazaza, Madagascar (TAN); Royal Botanic Gardens, Kew (K); Smithsonian Institution, USA (US); South African National Herbarium (PRE); The New York Botanical Garden, USA (NY); Universidade Federal do Rio Grande do Sul, Brazil (ICN); Universität Wien, Austria (WU); Virginia Commonwealth University, USA (VCU)

LANGUAGE PROFICIENCY

English (Native), Portuguese (Fluent), Spanish (Intermediate), French (Basic)