MARTIN F. WOJCIECHOWSKI
Curriculum Vitae, June 2025

Professor of Genomics, Evolution & Bioinformatics, Emeritus
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EDUCATION

Ph.D., Biological Sciences, University of Northern Colorado, Greeley (1981)
B.S., Botany, *Magna cum laude*, Northern Michigan University, Marquette (1975)
Undergraduate Research Participation Program, Argonne Natl. Laboratory, IL (1975)

PROFESSIONAL EMPLOYMENT/APPOINTMENTS

Research Affiliate, Department of Plant Science and Plant Pathology, Montana State University, Bozeman (2024-present)
Professor, School of Life Sciences, Arizona State University (2023-present)
Research Faculty Associate, Boyce Thompson Arboretum, Superior, Arizona (2022-2023)
Faculty Affiliate, Global Drylands Center, Arizona State University (2020-2023)
Associate Dean for Facilities, The College of Liberal Arts and Sciences, Arizona State University (2014-2023)
Associate Director for Facilities, School of Life Sciences, Arizona State University (2012-2014)
Associate Professor, School of Life Sciences, Arizona State University (2007-2023)
Research Associate, University of Arizona Herbarium (ARIZ), Tucson (2007-present)
Assistant Professor, School of Life Sciences, Arizona State University (2003-2007)
Assistant Professor, Department of Plant Biology, Arizona State University (2001-2003)
Visiting Researcher, DOE-Joint Genome Institute, Walnut Creek, CA (summer 2001)
Museum Scientist, Museum of Paleontology and Research Scientist, University/Jepson Herbaria, University of California, Berkeley (1997-2001)
Visiting Scholar, Section of Evolution & Ecology, University of California, Davis (1997-2001)
Program Coordinator, NSF Research Training Group in the "Analysis of Biological Diversification", University of Arizona (1991-1997)
Research Associate and Research Assistant Professor, Department of Ecology & Evolutionary Biology, University of Arizona, Tucson (1986-1997)
Staff Scientist, Departments of Biochemistry and Microbiology, University of Rochester Medical Center, Rochester, NY (1984-1986)
NIH Postdoctoral Fellow (National Cancer Institute), Michigan Molecular Institute, Midland, MI (1981-1984)

RESEARCH INTERESTS

My main research interests are focused on discovering macro-evolutionary patterns in plants and understanding how processes may have shaped current as well as past patterns of flowering plant biodiversity, distribution, ecology, and diversification. My research utilizes mainly molecular data (DNA sequences) combined with phylogenetic and phylogenomic methods, with a focus on the systematic relationships and evolutionary history of the "papilionoid" subfamily of legumes (Fabaceae, aka Leguminosae), and the genomics of the saguaro (*Carnegiea gigantea*) and related species of North American columnar cacti (Cactaceae). Broader interests include theoretical aspects of phylogeny reconstruction and molecular evolution, and floristics of western North America.

PROFESSIONAL AFFILIATIONS

American Society of Plant Taxonomists, Botanical Society of America, Society of Systematic Biologists, Sigma Xi

PUBLICATIONS IN PEER-REVIEWED JOURNALS

Google Scholar **h-index: 46 | i10-index: 72 | total citations: 12717** (1 June 2025)
KEY: Student/postdoc researcher directly supervised/mentored by MFW; *on student committee, research supervisor. [Notes; IF = journal impact factor]

91. Webster, C. P., M. Paris, I. Olivares, M. F. **Wojciechowski**, M. Kessler, and M. Jose Sanin. Divergence and selection in a cryptic species complex (*Geonoma undata*: Arecaceae) in the Northern Andes of Colombia. *Genome Biology and Evolution*, manuscript accepted.

90. Meireles, J. E., D. B. O. S. Cardoso, A. M. G. de A. Tozzi, H. C. de Lima, M. F. **Wojciechowski,** L. S. J. Deccache, and G. P. Lewis. A taxonomic revision of the Neotropical genus *Poecilanthe* (Leguminosae, Papilionoideae, Brongniarteae). *Kew Bulletin*, manuscript accepted.

89. Cai, L., D. Cardoso, L. G. Tressel, B. Shrestha, I.-S. Choi, H. C. de Lima, L. P. de Queiroz, C. Lee, T. A. Ruhlman, R. K. Jansen, and M. F. **Wojciechowski**. 2025. Well-resolved phylogeny supports repeated evolution of keel flowers as a synergistic contributor to papilionoid legume diversification. *New Phytologist*, doi: 10.1111/nph.70080. [journal issue (July) cover image; IF = 8.3]

88. Tressel, L., B. Shrestha, C. Lee, I-S Choi, T. A. Ruhlman, D. Cardoso, M. F. **Wojciechowski**, and R. K. Jansen. 2025. Plastid-nuclear coevolution of ribosomal protein genes in papilionoid legumes. *Molecular Phylogenetics and Evolution* 204; doi.org/10.1016/j.ympev.2024.108281. [IF = 3.6]

87. São-Mateus, W. M. B., M. Ferreira Fernandes, L. Paganucci de Queiroz, J. Eduardo Meireles, J. Gomes Jardim, A. Delgado-Salinas, Ó. Dorado, H. C. de Lima, R. R. Rodríguez, P. A. González Gutiérrez, G. P. Lewis, M. F. **Wojciechowski**, and D. Cardoso. 2024. Molecular phylogeny and divergence time of *Harpalyce* (Leguminosae, Papilionoideae), a lineage with disjunct amphitropical diversification in seasonally dry forests and savannas. *Molecular Phylogenetics and Evolution* 194: https://doi.org/10.1016/j.ympev.2024.108031. [IF = 4.1]

86. Choi, I.-S., E.-K. Han, M. F. **Wojciechowski**, T.-I. Heo, J.-S. Park, J.-C. Yang, A. Gantsetseg, K.-S. Cheon, I. Tamaki and J.-H. Lee. 2023. The genetic structure and demographic history of *Zabelia tyaihyonii*, endemic to Korean limestone karst forests, based on genome-wide SNP markers. *Ecology and Evolution* e10252, https://doi.org/10.1002/ece3.10252. [IF = 3.167]

85. Moghaddam, M., M. F. **Wojciechowski**, and S. Kazempour-Osaloo. 2023. Characterization and comparative analysis of the complete plastid genomes of four *Astragalus* species. *PLOS One*, 18(5): https://doi.org/10.1371/journal.pone.0286083. [IF = 3.7]

84. Choi, I.-S., M. F. **Wojciechowski**, K. P. Steele, A. Hopkins, T. A. Ruhlman, and R. K. Jansen. 2022. Plastid phylogenomics uncovers multiple species in *Medicago truncatula* (Fabaceae) germplasm accessions. *Scientific Reports* 12:21172, https://doi.org/10.1038/s41598-022-25381-1. [IF = 4.996]

83. Breslin, P., M. F. **Wojciechowski**, and L. C. Majure. 2022. Remarkably rapid, recent diversification of *Cochemiea* and *Mammillaria* (Cactaceae) in the Baja California, Mexico region. *American J. Botany* 109(9): 1–16; https://doi.org/10.1002/ajb2.16048. [dissertation research; IF = 3.844]

82. Sanderson, M. J., A. Búrquez, D. Copetti, M. M. McMahon, Y. Zeng, and M. F. **Wojciechowski**. 2022. Origin and diversification of the saguaro cactus (*Carnegiea gigantea*): a within-species phylogenomic analysis. *Systematic Biology* 71: 1178-1194; https://doi.org/10.1093/sysbio/syac017. [IF = 15.68]

81. Steier, J. E., T. Mandakova, M. F. **Wojciechowski**, and K. P. Steele. 2022. Insights into species delimitation of selected species of the flowering plant genus *Medicago*, section Buceras (Fabaceae). *Systematic Botany* 47: 431-440. [undergraduate research; IF = 1.10]

80. Choi, I-S., D. Cardoso, L. P. de Queiroz, H. C. de Lima, C. Lee, T. A. Ruhlman, R. K. Jansen, and M. F. **Wojciechowski**. 2022. Highly resolved papilionoid legume phylogeny based on plastid phylogenomics. *Frontiers in Plant Science* doi: 10.3389/fpls.2022.823190. [IF = 6.627]

79. Choi, I-S., M. F. **Wojciechowski**, K. P. Steele, S. G. Hunter, T. A. Ruhlman, and R. K. Jansen. 2022. Born in the mitochondrion and raised in the nucleus: Evolution of a novel tandem repeat family in *Medicago polymorpha* (Fabaceae). *The Plant Journal,* doi: 10.1111/tpj.15676. [IF = 6.417]

78. *Charboneau, J. L. M., R. C. Cronn, A. Liston, M. F. **Wojciechowski**, and M. J. Sanderson. 2021. Plastid structural evolution and homoplastic inversions in Neo-Astragalus (Fabaceae). *Genome Biology and Evolution*, 13(10) doi:10.1093/gbe/evab215. [IF = 3.416]

77. Choi, I-S., M. F. **Wojciechowski**, T. A. Ruhlman, and R. K. Jansen. 2021. In and out: Evolution of viral sequences in the mitochondrial genomes of legumes (Fabaceae). *Molecular Phylogenetics and Evolution* 163: doi.org/10.1016/j.ympev.2021.107236. [IF = 4.286]

76. *Lee, C., I-S. Choi, D. Cardoso, H. C. de Lima, L. P. de Queiroz, M. F. **Wojciechowski**, R. K. Jansen, and T. A. Ruhlman. 2021. The chicken or the egg? Plastome evolution and a novel loss of the inverted repeat in papilionoid legumes. *The Plant Journal,* doi: 10.1111/tpj.153. [IF = 6.417]

75. *Fontenele, R. S., A. M. Salywon, L. C. Majure, I. N. Cobb, A. Bhaskara, J. A. Avalos-Calleros, M. F. **Wojciechowski**, et al. 2021. New World Cactaceae plants harbor diverse geminiviruses. *Viruses* 13: 694, doi.org/10.3390/v13040694. [dissertation research; IF = 5.048]

74. Breslin, P., M. F. **Wojciechowski**, and L. C. Majure. 2021. Molecular phylogeny of the Mammilloid clade (Cactaceae) of Baja California and adjacent regions: resolving the monophyly of *Mammillaria* with new combinations in *Cochemiea*. *Taxon* 70: 308-323. [dissertation research; IF = 2.338]

73. Breslin, P., M. F. **Wojciechowski**, and F. Albuquerque. 2020. Projected climate change threatens significant range contraction of *Cochemiea halei* (Cactaceae), an island endemic, serpentine adapted plant species at risk of extinction. *Ecology and Evolution* 10: 13211-13224. https://doi.org/10.1002/ece3.6914. [dissertation research; IF = 2.912]

72. *Fontenele, R. S., P. Roumagnac, C. Richet, S. Kraberger, D. Stainton, M. Aleamotu'a, D. Filloux, P. Bernardo, G. W. Harkins, J. McCarthy, L.S. Charles, N. S. Lamas, E. F. M. Abreu, R. A. Abreu, G. B. Batista, A. L. Lacerdo, A. S. Salywon, M. F. **Wojciechowski**, L. C. Majure, D. P. Martin, S. G. Ribeiro, P. Lefeuvre, and A. Varsani. 2020b. Diverse genomoviruses associated with plants. *Archives of Virology* 165: 2891-2901. doi.org/10.1007/s00705-020-04801-5. [dissertation research; IF = 2.574]

71. *Fontenele, F. A. Salywon, L. C. Majure, I. Cobb, A. Bhaskara, J. Avalos-Calleros, G. Argüello-Astorga, K. Schmidlin, A. Khalifeh, K. Smith, J. Schreck, M. Lund, M. Köhler, M. F. **Wojciechowski**, W. Hodgson, R. Puente-Martinez, K. Van Doorslaer, S. Kumari, C. Vernière, D. Filloux, P. Roumagnac, P. Lefeuvre, S. Ribeiro, S. Kraberger, D. Martin, and A. Varsani. 2020a. A novel divergent geminivirus identified in asymptomatic New World Cactaceae plants. *Viruses* 12, 398: doi:10.3390/v12040398. [dissertation research; IF = 5.048]

70. **Wojciechowski**, M. F. 2019. Tracing the history of chromosome evolution in legumes using genomics. *New Phytologist* 223: 1693-1695. [invited commentary] https://doi-org.ezproxy1.lib.asu.edu/10.1111/nph.15926. [IF = 8.512]

69. *Azani, N. A. Bruneau, M. F. **Wojciechowski**, and S. Zarre. 2019. Miocene climate change as a driving force for multiple origins of annual species in *Astragalus* (Fabaceae: Papilionoideae). *Molecular Phylogenetics and Evolution* 137: 210-221. [dissertation research; IF = 3.581]

68. Garcia-Pichel, F., T. Soule*, J. Lombard, S. Wu, and M. F. **Wojciechowski**. 2019. Timing the evolutionary advent of cyanobacteria and the later Great Oxidation Event using phylogenies of aromatic amino acid genes dedicated to the synthesis of a sunscreen. *MBio* 10(3): e00561-19. [**"Editor's Pick"; IF = 6.784]**

67. Lavin, M., R. T. Pennington, C. E. Hughes, G. P. Lewis, A. Delgado-Salinas, R. D. de Stefano, L. P. de Queiroz, D. Cardoso, & M. F. **Wojciechowski**. 2018. DNA sequence variation among conspecific accessions of the legume *Coursetia caribaea* reveal geographically localized clades here ranked as species. *Systematic Botany* 43: 664–675. [IF = 1.297]

66. Farruggia, F. T., M. Lavin, and M. F. **Wojciechowski**. 2018. Phylogenetic systematics and biogeography of the pantropical genus *Sesbania* Adanson (Leguminosae). *Systematic Botany* 43: 414-429. [dissertation research; IF = 1.297]

65. Afkhami, M., D. Mahler*, J. Burns, M. Weber, M. F. **Wojciechowski**, J. Sprent, and S. Y. Strauss. 2017. Symbioses with nitrogen-fixing bacteria: Nodulation and phylogenetic data across legume genera. *Ecology* doi 10.1002/ecy.2110. [IF = 5.499]

64. Copetti, D., A. Búrquez, E. Bustamante, J. L. M. Charboneau*, K. L. Childs, L. Eguiarte, S. Lee, T. L. Liu, M. M. McMahon, N. Whiteman, R. Wing, M. F. **Wojciechowski**, and M. J. Sanderson. 2017. Extensive gene tree discordance and hemiplasy shaped the genomes of North American columnar cacti. *Proceedings of the National Academy of Sciences, USA* 114: 12003-12008. www.pnas.org/cgi/doi/10.1073/pnas.1706367114.
[journal issue cover image; paper featured in AAAS EurekaAlert, *Science*, ASU Now, and on National Public Radio (KJZZ, Phoenix, AZ); IF = 10.8]

63. *Zimmers, M. C., M. Thomas, L. Yang, A. Bombarely, M. M. Mancuso*, M. F. **Wojciechowski**, and J. F. Smith. 2017. Species boundaries in the *Astragalus cusickii* complex delimited using molecular phylogenetic techniques. *Molecular Phylogenetics and Evolution*, 114: 93-110. [dissertation research; IF = 4.621]

62. Legume Phylogeny Working Group (LPWG; 97 authors incl. M. F. **Wojciechowski**). 2017. A new subfamily classification of the Leguminosae based on a taxonomically comprehensive phylogeny. *Taxon* 66: 44-77. [1 of 14 co-authors who collected, analyzed all data, organized and wrote the manuscript; "**Hot Paper", Web of Science;** IF = 2.680]

61. *Azani, N., A. Bruneau, M. F. **Wojciechowski**, and S. Zarre. 2017. Molecular phylogenetics of annual *Astragalus* (Fabaceae) and its systematic implications. *Botanical J. of the Linnean Society* 184, 347–365. [dissertation research; IF 3.42]

60. de Queiroz, L. P., W. São Mateus*, A. Delgado-Salinas, B. M. Torke, G. P. Lewis, O. Dorado, J. K. Ardley, M. F. **Wojciechowski**, and D. Cardoso. 2017. A molecular phylogeny reveals the Cuban enigmatic genus *Behaimia* as a new piece in the Brongniartieae puzzle of papilionoid legumes. *Molecular Phylogenetics and Evolution* 109: 191-202. http://dx.doi.org/10.1016/j.ympev.2017.01.001. [IF = 4.621]

59. *Kropp, H., K. Ogle, and M. F. **Wojciechowski**. 2016. A framework for partitioning plant rooting profiles from neighbors using multiple data types. *Journal of Vegetation Science* doi: 10.1111/jvs.12377. [dissertation research; IF = 2.685]

58. *Hoffman, D., J. Maldonado, M. F. **Wojciechowski**, and F. Garcia-Pichel. 2015. Hydrogen export from intertidal cyanobacterial mats: sources, fluxes, and the influence of community composition. *Environmental Microbiology* doi:10.1111/1462-2920.12769. [IF = 4.892]

57. Sanderson, M. J., D. Copetti, A. Búrquez, E. Bustamante, J. L. M. Charboneau*, L. Eguiarte, S. Kumar, H. O. Lee, J. Lee, M. McMahon, K. P. Steele, R. Wing, T-J. Yang, D. Zwickl, and M. F. **Wojciechowski**. 2015. Exceptional reduction of the plastid genome of saguaro cactus (*Carnegiea gigantea*, Cactaceae): loss of the *ndh* gene suite and inverted repeat. *American J. Botany* 102: 1115-1127. [journal cover image; IF = 3.086]

56. Swanepoel, W., M. M. le Roux, M. F. **Wojciechowski**, and A. E. van Wyk. 2015. *Oberholzeria* (Fabaceae subfam. Faboideae), a new monotypic legume genus from Namibia. *PLOS One* 10(3): e0122080. doi: 10.1371/journal.pone.0122080.g001. [IF = 3.48]

55. **Wojciechowski**, M. F. 2013. Towards a new classification of Leguminosae: naming clades using non-Linnaean phylogenetic nomenclature. *South African J. Botany* 89: 85-93. [IF = 1.34]

54. Legume Phylogeny Working Group (LPWG; Borges, L., A. Bruneau, D. Cardoso, M. Crisp, A. Delgado-Salinas, J. J. Doyle, A. Egan, P. S. Herendeen, C. Hughes, G. Kenicer B. Klitgaard, E. Koenen, M. Lavin, G. Lewis, M. Luckow, B. Mackinder, V. Malécot, J. T. Miller, R. T. Pennington, L. P. de Queiroz, B. Schrire, M. F. Simon, K. Steele, B. Torke, J. J. Wieringa, & M. F. **Wojciechowski)**. 2013. Toward a new classification system for legumes: progress report from the ILC6. *South African J. of Botany* 89: 3-9. [IF = 1.34]

53. Cardoso, D., R. T. Pennington, L. P. de Queiroz, J. S. Boatwright, B.-E. van Wyk, M. F. **Wojciechowski**, and M. Lavin. 2013. Reconstructing the deep-branching relationships of the papilionoid legumes. *South African J. of Botany* 89: 58-75. [IF = 1.34]

52. Legume Phylogeny Working Group (LPWG; Bruneau, A., J. J. Doyle, P. Herendeen, C. Hughes, G. Kenicer, G. P. Lewis, B. Mackinder, R. T. Pennington, M. J. Sanderson, and M. F. **Wojciechowski)**. 2013. Legume phylogeny and classification in the 21st century: progress, prospects and lessons for other species-rich clades. *Taxon* 62: 217-248. [**Highly Cited Paper**, **Web of Science;** IF = 2.262**]**

51. Zhang, Y., M. Fernandez-Aparicio, E. Wafula, M. Das, Y. Jiao, N. J. Wickett, L. A. Honaas, P. E. Ralph, M. F. **Wojciechowski**, M. P. Timko, J. I. Yoder. J. H. Westwood, and C. dePamphilis. 2013. A horizontally acquired legume gene, albumin 1, in the parasitic plant *Phelipanche aegyptiaca* and related species. *BMC Evolutionary Biology* 13: 48. [IF 3.751]

50. **Wojciechowski**, M. F. 2013. The origin and phylogenetic relationships of the Californian chaparral 'paleoendemic' *Pickeringia* (Leguminosae). *Systematic Botany* 38: 132-142. [journal cover image; IF = 1.253]

49. *Cardoso, D., L. P. de Queiroz, R. T. Pennington, H. C. de Lima, É. Fonty, M. F. **Wojciechowski**, and M. Lavin. 2012. Revisiting the phylogeny of papilionoid legumes: new insights from comprehensively sampled early-branching lineages. *American J. Botany* 99: 1991-2013. [dissertation research; IF = 2.298]

48. Geeta, R., L. M. Dávalos, A. Levy, L. Bohs, M. Lavin, K. Mummenhoff, N. R. Sinha, and M. F. **Wojciechowski**. 2012. Keeping it simple: Flowering plants tend to retain, and revert to, simple leaves. *New Phytologist* 193: 481-493. [IF = 7.43]

47. *Riahi, M., S. Zarre, A. A. Maassoumi, S. Kazempoor Osaloo, and M. F. **Wojciechowski**. 2011. Towards a phylogeny for *Astragalus* section Caprini (Fabaceae) and its allies based on nuclear and plastid DNA sequences. *Plant Systematics and Evolution* 293: 119-133. [dissertation research; IF = 0.78]

46. Snow, N., J. McFadden*, A. M. Salywon, T. M. Evans, M. F. **Wojciechowski**, and P. G. Wilson. 2011. Morphological and molecular evidence of polyphyly in *Rhodomyrtus* (Myrtaceae: Myrteae). *Systematic Botany* 36: 390-404. [undergraduate research; IF = 1.688]

45. Hanlon, M. R., S. Mock, P. Nuthulapati, M. B. Gonzalez, P. S. Soltis, D. Soltis, L. C. Majure, A. Payton, B. Mishler, S. Tremblay, T. Madsen, R. Olmstead, R. M. McCourt, M. F. **Wojciechowski**, & N. Merchant. 2010. My-Plant.org: a phylogenetically structured social network. *IEEE Transactions* doi 10.1109/GCE.2010.5676118.

44. Moore, G., et al. (67 co-authors incl. M. F. **Wojciechowski)**. 2010. *Acacia*, the 2011 Nomenclature Section in Melbourne, and beyond. *Taxon* 59: 1188-1195. [IF = 1.532]

43. Steele, K. P., S. Ickert-Bond, S. Zarre, and M. F. **Wojciechowski**. 2010. Phylogeny and character evolution in *Medicago* (Leguminosae): evidence from analyses of plastid *trnK/matK* and nuclear *GA3ox1* sequences. *American J. of Botany* 97: 1142-1155. [IF = 3.411]

42. Queiroz, L. P. de, G. P. Lewis, and M. F. **Wojciechowski**. 2010. *Tabaroa*, a new genus of Leguminosae tribe Brongniartieae from Brazil. *Kew Bulletin* 65: 189-203. [IF = 1.082]

41. Garcia-Pichel, F., and M. F. **Wojciechowski**. 2009. The evolution of a capacity to build supra-cellular ropes enabled filamentous cyanobacteria to colonize highly erodible substrates. *PLOS One* 4 (11): e7801. [IF = 4.68]

40. Pigg, K. B., M. L. DeVore, and M. F. **Wojciechowski**. 2008. *Paleosecuridaca curtisii* gen. et sp. nov., *Securidaca*-like samaras (Polygalaceae) from the Late Paleocene of North Dakota, USA and their significance to the divergence of families within the Fabales. *International J. of Plant Sciences* 169: 1304-1313. [IF = 1.698]

39. Jansen, R. K., M. F. **Wojciechowski**, E. Sanniyasi, S-B. Lee, and H. Daniell. 2008. Complete plastid genome sequence of the chickpea (*Cicer arietinum*) and the phylogenetic distribution

of *rps12* and *clpP* intron losses among legumes (Leguminosae). *Molecular Phylogenetics and Evolution* 48: 1204-1217. [IF = 3.984]

38. Champagne, C. E. M., T. E. Goliber, M. F. **Wojciechowski**, R. W-B. Mei, B. T. Townsley, K. Wang, M. M. Paz, R. Geeta, and N. R. Sinha. 2007. Compound leaf development and evolution in the legumes. *The Plant Cell* 19: 3369-3378. [IF = 10.75]

37. Dugan, L. E., M. F. **Wojciechowski**, and L. R. Landrum. 2007. A large-scale plant survey: efficient vouchering with identification through morphology and DNA analysis. *Taxon* 56: 1238-1244. [undergraduate research; IF = 1.512]

36. *Javadi, F., M. F. **Wojciechowski**, and H. Yamaguchi. 2007. Geographical diversification of the genus *Cicer* (Papilionoideae: Leguminosae) inferred from molecular phylogenetic analyses of chloroplast and nuclear DNA sequences. *Botanical J. of the. Linnean Society* 154: 175-186. [dissertation research; IF = 1.23]

35. Lavin, M., P. S. Herendeen, and M. F. **Wojciechowski**. 2005. Evolutionary rates analysis of Leguminosae implicates a rapid diversification of lineages during the Tertiary. *Systematic Biology* 54: 530-549. [Cited by the Society of Systematic Biologists as one of the **"Ten most cited papers published in *Systematic Biology*, 2005–2007"**; IF = 8.107]

34. **Wojciechowski**, M. F. 2005. *Astragalus* (Fabaceae): a molecular phylogenetic perspective. *Brittonia* 57: 382-396. [IF = 0.653]

33. **Wojciechowski**, M. F., and A. Liston. 2005. Rupert Barneby and his legume legacy. *Brittonia* 57: 299-300. [IF = 0.653]

32. Luckow, M., C. Hughes, B. Schrire, P. Winter, C. Fagg, R. Fortunato, J. Hurter, L. Rico, F. J. Breteler, A. Bruneau, M. Caccavari, L. Craven, M. Crisp, A. Delgado-Salinas., S. Demissew, J. J. Doyle, R. Grether, S. Harris, P. S. Herendeen, H. M. Hernández, A. M. Hirsch, R. Jobson, B. B. Klitgaard, J-N. Labat, M. Lock, B. MacKinder, B. Pfeil, B. B. Simpson, G. F. Smith, M. Sousa S., J. Timberlake, J. G. van der Maesen, A. E. Van Wyk, P. Vorster, C. K. Willis, J. J. Wieringa, and M. F. **Wojciechowski**. 2005. *Acacia*: the case against moving the type to Australia. *Taxon* 54: 513-519. [IF = 1.071]

31. **Wojciechowski**, M. F., M. Lavin, and M. J. Sanderson. 2004. A phylogeny of legumes (Leguminosae) based on analysis of the plastid *mat*K gene resolves many well-supported subclades within the family. *American J. of Botany* 91: 1846-1862. [IF = 2.554]

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1. Shen-Miller, J., R. E. McNitt, and M. F. **Wojciechowski**. 1978. Regions of differential cell elongation and mitosis, and root meristem morphology in different tissues of geotropically stimulated maize root apices. *Plant Physiology* 61: 7–12. [undergraduate research]

MANUSCRIPTS SUBMITTED/IN REVIEW/IN PREPARATION

Copetti, D., A. A. Búrquez, K. Shimizu, R. A. Wing, M. J. Sanderson and M. F. **Wojciechowski**. An improved genome assembly of the saguaro cactus (*Carnegiea gigantea* (Englm.) Britton & Rose. bioRxiv https://doi.org/10.1101/2023.04.11.536419.

Majure, L. C., I-S. Choi, A. J. Alt, M. Sopa, E. Cassetta, C. P. Webster, K. P. Steele, M. J. Sanderson, and M. F. **Wojciechowski**. Reconstructing the history of plastid genome evolution in Cactaceae: emerging patterns of gene/intron losses and rearrangements. In preparation.

Wojciechowski, M. F., S. Carvalho Madrigal, and M. Jose Sanín. Phylogenomic analysis of the legume genus *Psorothamnus* supports the reinstatement and taxonomic revision of the genus *Psorodendron*. In preparation.

PEER-REVIEWED CHAPTERS IN BOOKS/BOOKS

McMahon, M. M., M. B. Johnson, K. N. Lake, M. F. **Wojciechowski**, and M. W. Bierner (Editors). 2024. *Legumes of Arizona, An Illustrated Flora and Reference*. Sida, Bot. Misc. 64. Botanical Research Institute of Texas, Fort Worth, Texas.

Wojciechowski, M. F. 2023. *Bituminaria*. In *Flora of North America North of Mexico*, Fabaceae volume 11-12, Flora of North America Editorial Committee. Oxford University Press, New York.

Wojciechowski, M. F. 2023. *Hoita*. In *Flora of North America North of Mexico*, Fabaceae volume 11-12, Flora of North America Editorial Committee. Oxford University Press, New York.

Wojciechowski, M. F. 2023. *Rupertia*. In *Flora of North America North of Mexico*, Fabaceae volume 11-12, Flora of North America Editorial Committee. Oxford University Press, New York.

Sanderson, M. J., M. F. **Wojciechowski**, M. M. McMahon, and M. Lavin. 2020. *Leguminosae* Jussieu. *Phylonyms: A Companion to the* PhyloCode (K. de Queiroz, P. D. Cantino, and J. A. Gauthier, eds.), pp. 345– 348. CRC Press, Boca Raton, FL.

Wojciechowski, M. F. 2012. Fabaceae (Leguminosae), in *The Jepson Manual, Vascular Plants of California*, 2nd ed., B. G. Baldwin, D. H. Goldman, D. J. Keil, R. Patterson, and T. J. Rosatti (eds.), pp. 719-802. University of California Press, Berkeley [family treatment, identification keys, and 28 genera treatments].

Kessler, J. O., and M. F. **Wojciechowski**. 1997. Collective behavior and dynamics of swimming bacteria. In *Bacteria as Multicellular Organisms*, J. A. Shapiro and M. Dworkin (eds.), pp. 417-450. Oxford University Press, New York.

Wojciechowski, M. F. 1992. The mechanisms of genetic transformation. In *Encyclopedia of Microbiology*, Joshua Lederberg (ed.), vol. 2, pp. 299–310. Academic Press, San Diego.

INVITED CONTRIBUTIONS/NON-PEER REVIEWED/WEBSITE PUBLICATIONS

Copetti, D., A. Búrquez, K. K. Shimizu, R. A. Wing, M. J. Sanderson, and M. F. **Wojciechowski**. An improved genome assembly of the saguaro cactus (*Carnegiea gigantea* (Engelm.) Britton & Rose). bioRxiv, doi: https://doi.org/10.1101/2023.04.11.536419.

Legume Phylogeny Working Group (LPWG; 89 authors incl. M. F. **Wojciechowski**). 2021. The World Checklist of Vascular Plants (WCVP): Fabaceae. R. Govaerts, ed. The Royal Botanic Gardens, Kew, UK. http://sftp.kew.org/pub/data_collaborations/Fabaceae/DwCA/

Wojciechowski, M. F. 2021. Genomics of a Sonoran Desert Icon, the Saguaro Cactus. Invited essay for the inaugural issue ("Saguaro") of *STRATA, Desert Dwelling, Desert Thinking*, vol. 1: 20-23. R. Broglio, H. Green & C. Osuna, eds., Desert Humanities Initiative, Arizona State University.

Green, H., R. Broglio, M. F. **Wojciechowski** and C. Osuna. 2021. Saguaro Lexicon. *STRATA, Desert Dwelling, Desert Thinking* 1: 60-65. R. Broglio, H. Green & C. Osuna, eds., Desert Humanities Initiative, Arizona State University.

Pennington, R. T., and M. F. **Wojciechowski**. 2008. The status of *Sophora*. *The Plantsman*, 186-189.

Wojciechowski, M. F. 1995. The genus *Astragalus*: a phylogenetic perspective. *Aridus*, Bulletin of the Desert Legume Program of the Boyce Thompson Arboretum and the University of Arizona. 7: 1-4.

INVITED SYMPOSIUM/CONFERENCE PRESENTATIONS

Copetti, D., A. Búrquez, M. McMahon, M. F. **Wojciechowski** and M. J. Sanderson. Developing genomic resources for the saguaro cactus and beyond". Invited presentation, The Future of the Saguaro Research Symposium and Workshop, University of Arizona, Tucson, April 2023.

Seyedi, S, G. Marquez Alcaraz, D. Mallo, D. Chavez, S. E. Kapsetaki, H. Ford, A. Aktipis, C. Gutierrez, M. F. **Wojciechowski**, M. Tollis, and C. Maley. "Are crested cacti living with cancer?". Oral presentation, The Future of the Saguaro Research Symposium and Workshop, University of Arizona, Tucson, April 2023.

Tressel, L. G., B. Shresta, C. Lee, I.-S. Choi, T. A. Ruhlman., D. Cardoso, M. F. **Wojciechowski**, and R. K. Jansen. "Plastid-Nuclear Coevolution of Ribosomal genes in Papilionoid Legumes". Oral presentation, 8th International Legume Conference, Pirenópolis, Brazil, August 2023.

Webster, C., I. Oliveras, M. Paris, M. F. **Wojciechowski**, and M. Jose Sanin. "Uncovering genes under divergent selection in the sympatric species complex *Geonoma undata*". Invited poster presentation, Gordon Research Conference, New Hampshire, July 2023.

Copetti, D., A. Búrquez, L. Eguiarte, M. McMahon, R. Wing, M. F. **Wojciechowski**, M. J. Sanderson. "The Saguaro Genome – Pioneering genomics studies in Cactaceae". Invited presentation at the International Virtual Mini-Symposium | Cactaceae: Phylogenetics, Evolution, and Conservation in the Genomic Era, Desert Botanical Garden, Phoenix, AZ, September 2021.

Wojciechowski, M. F., A. J. Alt*, A. Hopkins*, L. C. Majure, K. P. Steele, and M. J. Sanderson. "Plastid genome evolution in Cactaceae: emerging patterns of gene and inverted repeat losses and rearrangements". Invited presentation at Donald J. Pinkava's Legacy – the ASU Herbarium in the Sonoran Desert colloquium, annual Botany meeting, Tucson, Arizona, July 2019.

Wojciechowski, M. F. Invited plenary talk at the 7th International Legume Conference, "Legume systematics for the next generation", Sendai, Japan, August 2018. [declined for medical reason]

Sanderson, M. J., Copetti, D., A. Búrquez, E. Bustamante, J. L. M. Charboneau*, K. Childs, L. Eguiarte, T. Liu, N. Whiteman, and M F. **Wojciechowski**. "Genome evolution in North American columnar cacti was shaped by extensive gene tree discordance and hemiplasy". Plant Genome Evolution II conference, Sitges, Spain, October 2017.

Wojciechowski, M. F. Invited symposium presentation at XIX International Botanical Congress, Shenzhen, *China*, July 2017. [declined for medical reason]

Pennington, R. T., K. G. Dexter, D. Neves*, T. R. Baker, A. Oliveira-Filho, G. P. Lewis, L. P. de Queiroz, C. E. Hughes, E. J. M. Koenen*, A. Bruneau, D. Cardoso, H. C. de Lima, and M. F. **Wojciechowski**. "Patterns of niche evolution across the legume phylogeny and their relevance for understanding the historical assembly of neotropical biomes". Invited oral presentation, Association for Tropical Biology and Conservation annual meeting, Montpellier, France, June 2016.

Wojciechowski, M. F. "phyloGENETICS and genome evolution in legumes". Margaret Kidwell Speaker Series Genetics Symposium (inaugural), University of Arizona, Tucson, November 2014.

Wojciechowski, M. F. "New insights into the phylogenetics of the 'temperate herbaceous clade' (IRLC) of papilionoid legumes". XI Latin American Botanical Congress, Salvador, Brazil, October 2014.

Cardoso, D., L. P. de Queiroz, R. T. Pennington, H. C. de Lima, M. Lavin, and M. F. **Wojciechowski**. "Revisiting the phylogeny of papilionoid legumes". Invited plenary address, 6th International Legume Conference, Johannesburg, South Africa, January 2013.

Wojciechowski, M. F. "Phylogenetic relationships in the Cladrastis clade and the evolutionary history of the Californian chaparral 'paleoendemic' *Pickeringia*", invited presentation, 6th International Legume Conference, Johannesburg, South Africa, January 2013.

Pennington, R. T., and M. F. **Wojciechowski** "Overview of Papilionoideae: issues in phylogenetics and classification", invited presentation, 6th International Legume Conference, Johannesburg, South Africa, January 2013.

Herendeen, P. S., A. Bruneau, C. Hughes, R. T. Pennington, and M. F. **Wojciechowski**. "Towards a new classification system for the Leguminosae: A draft proposal for discussion and improvement during 6ILC", discussion session, 6th International Legume Conference, Johannesburg, South Africa, January 2013.

Wojciechowski, M. F., M. J. Sanderson, and P. S. Herendeen. "Progress toward a comprehensive molecular phylogeny of legumes: are we almost there?" XVIII International Botanical Congress, Melbourne, Australia, July 2011.

Wojciechowski, M. F. "Plastid DNA evolution in legumes revisited: evidence from genomic analyses", invited mini-symposium presentation at the Institute for Bioinorganic Chemistry, Polish Academy of Sciences, Poznan, Poland, Nov. 2008.

Wojciechowski, M. F. "*Astragalus*: an evolutionary radiation, or not?" Keynote address, First International Workshop on the genus *Astragalus* (Fabaceae) in honor of the career and retirement of Professor Dieter Podlech, Ludwig-Maximilians-Universität, Botanishe Staatssammlung, Munich, Germany, Munich, April 2007.

Wojciechowski, M. F., K. P. Steele, and M. J. Sanderson. "Are there so many species of *Astragalus*? a reprise", invited presentation in the symposium "Does size matter? Phylogenetic and taxonomic issues in giant genera", XVII International Botanical Congress, Vienna, Austria, July 2005.

Wojciechowski, M. F. "Legume phylogenetics in a genomics world", 1st Model Legume Congress, invited plenary presentation, Asilomar, Pacific Grove, California, June 2005.

Wojciechowski, M. F. "*Astragalus*: a molecular phylogenetic perspective", BSA/ASPT annual meeting, contributed presentation in the colloquium "Rupert Barneby and his legume legacy", Snowbird, Utah, August 2004.

Lavin, M., B. P. Schrire, G. P. Lewis, R. T. Pennington, A. Delgado-Salinas, M. Thulin, and M. F. **Wojciechowski**. "Ages of trans-oceanic crown clades implicate meta-community processes rather than continental history in explaining structured phylogenies", invited presentation for Royal Society Discussion Meeting "Plant phylogeny and the origin of major biomes", the Royal Society, London, March 2004.

Lavin, M., M. F. **Wojciechowski**, P. S. Herendeen, and M. J. Sanderson. "Timing and patterns of diversification in papilionoid legumes", invited presentation in the symposium "Dating in the 21st century: Theory and reality in finding a date for your clade". BSA/ASPT annual meeting, Mobile, Alabama, August 2003.

Wojciechowski, M. F. "Reconstructing the evolutionary history and diversification of legumes", invited plenary presentation at the 1st International Conference on Legume Genomics and Genetics, University of Minnesota, Minneapolis, June 2002.

Wojciechowski, M. F. "Recent progress in reconstructing a legume phylogeny", invited plenary presentation, at the 4th International Legume Conference, Canberra, Australia, July 2001.

Wojciechowski, M. F., M. Lavin, A. Richman, J. Rotella, M. J. Sanderson, and A. Beyra Matos*. "Identifying Tertiary radiations of Fabaceae in the Greater Antilles: alternatives to cladistic vicariance analysis", invited symposium presentation on "Caribbean Plant Biogeography", BSA/ASPT annual meeting, Albuquerque, New Mexico, August 2001.

Wojciechowski, M. F., M. Lavin, M. J. Sanderson and A. Richman. "Molecular biogeography of temperate and tropical legumes in North America", contributed presentation, BSA/ASPT annual meeting, Portland, Oregon, August 2000.

*Hu, J. M., M. F. **Wojciechowski**, and M. J. Sanderson. "Molecular phylogeny of land plants based on photosystem genes", contributed presentation, XVI International Botanical Congress, St. Louis, Missouri, July 1999.

Steele, K. P., B. Udpa*, D. Chinn*, O. Curameng, D. Throckmorton and M. F. **Wojciechowski**. "Phylogenetic relationships of the tribes Trifolieae and Vicieae", contributed presentation, XVI International Botanical Congress, St. Louis, Missouri, July 1999.

Wojciechowski, M. F., M. J. Sanderson, K. P. Steele, and A. Liston. "Phylogenetic relationships of the temperate herbaceous papilionoid tribes", invited presentation in Legume Phylogenetics Symposium, XVI International Botanical Congress, St. Louis, Missouri, July 1999.

Kidwell, M. G., C. M. A. Carareto, W. Kim, P. O' Grady*, A. V. Prokchorova, J. C. Silva* and M. F. **Wojciechowski**. "Using transposable elements to drive genes into insect populations: Testing *P* element constructs in *Drosophila* as a model system". Proceedings of the 1st Molecular Insect Science Conference, Tsukuba Insect Science Association, Japan, 1995.

Kessler, J. O., R. P. Strittmatter, D. L. Swartz, D. A. Wiseley*, and M. F. **Wojciechowski**. "Paths and patterns: The biology and physics of swimming bacterial populations". In *Society For Experimental Biology Symposium no. XLIX, Biological Fluid Dynamics*, C. P. Ellington and T. J. Pedley (eds.), pp. 91–107. Society for Experimental Biology, Cambridge, U.K., 1995.

Michod, R. E., M. F. **Wojciechowski**, and M. A. Hoelzer*. "Evolution of sex in prokaryotes". In *Molecular Evolution*, M. Clegg and S. J. O'Brien (eds). UCLA Symposium on Molecular and Cellular Biology, vol. 122, pp. 135–144. A. R. Liss, Inc., New York, 1990.

CONTRIBUTED TALKS AND POSTERS

Azani, N., D. Buono, G. Kadereit, A. Bruneau, M. F. **Wojciechowski**, and S. Zarre. A Phylocode-based system for infrageneric classification of *Astragalus* (Fabaceae)". Abstract for XX International Botanical Conference, Madrid, Spain, July 2024.

Wojciechowski, M. F., H. Cadillo-Quiroz, and J. Wu. Publishing in the 2000's – Some Predatory Practices. Led panel discussion of predatory journals/predatory-publishing practices for the BioEthics Breakfast Club, School of Life Sciences, Arizona State Univ., September 2023.

Charboneau, J., R.Cronn, A. Liston, M. F. **Wojciechowski**, and M. J. Sanderson. "Plastome structural evolution in Neo-Astragalus (*Astragalus* L., Fabaceae)". Oral presentation at Botany 2022 annual meeting, Anchorage, Alaska, July 2022.

Copetti, D., A. Búrquez, L. Eguiarte, M. McMahon, R. Wing, M. F. **Wojciechowski**, and M. J. Sanderson. "The Saguaro Genome – Pioneering genomics studies in Cactaceae", presentation at Cactaceae: Phylogenetics, Evolution and Conservation in The Genomic Era, held at the Desert Botanical Garden, Phoenix, September 2021 (international virtual symposium)

Sanderson, M. J., A. Búrquez, D. Copetti, M. M. McMahon, Y. Zeng, and M. F. **Wojciechowski**. "A new (old) approach to genotype-based phylogenomic inference within species, with an example from the saguaro cactus (*Carnegiea gigantea*)". Poster for Botany 2020 annual meeting (virtual), July 2020.

*Charboneau, J., R. Cronn, A. Liston, M. F. **Wojciechowski**, and M. J. Sanderson. "Examining the evolution of selenium hyperaccumulation in the New World clade of *Astragalus* (Fabaceae) using phylogenomics". Poster for Botany 2020 annual meeting (virtual), July 2020.

Breslin, P., L. C. Majure, and M. F. **Wojciechowski**. "Recent divergence, rapid diversification and multiple radiations of *Cochemiea* and *Mammillaria* (Cactaceae) in the Baja California, Mexico region: accounting for high species richness and peninsular endemism". Poster for Botany 2020 annual meeting (virtual), July 2020.

*Charboneau, J., R. Cronn, A. Liston, M. F. **Wojciechowski**, and M. J. Sanderson. "Chloroplast phylogenomics in the New World clade of *Astragalus* L. (Fabaceae)". Poster for Botany 2019 annual meeting, Tucson, Arizona, July 2019.

Steele, K. P., A. Hopkins, N. G. Sandoval*, and M. F. **Wojciechowski**. "Confirmation of USDA germplasm identification in *Medicago* (Fabaceae)". Poster for Botany 2019 annual meeting, Tucson, Arizona, July 2019.

Búrquez, A., E. Bustamante, B. Butterfield, J. L. M. Charboneau*, D. Dettman, L. E. Eguiarte, K. R. Hultine, E. Larios, M. M. McMahon, R. Puente, M. J. Sanderson, D. Williams, R. A. Wing, N. Whiteman, M. F. **Wojciechowski**, and D. Yetman. "North American columnar cacti: ecology, evolution and uses of giant cacti.". Poster for Ecological Society of America annual meeting, New Orleans, LA, August 2018.

*Ladrón, M., O. Sala, M. F. **Wojciechowski**, and J. Peñuelas. "Phenotypic and performance changes of *Bouteloua eriopoda* to extreme precipitation events". Poster for Ecological Society of America annual meeting, New Orleans, LA, August 2018.

Búrquez, A., E. Bustamante, D. Copetti, K. R. Hultime, M. M. McMahon, R. Puente, M. J. Sanderson, D. Williams, M. F. **Wojciechowski**, and D. Yetman. "North American columnar cacti: ecology, evolution, and uses of giant cacti". Invited oral presentation, Biology of CAM Plants conference, Desert Botanical Garden, Phoenix, April 2018.

Wojciechowski, M. F., L. C. Majure, A. Martin, K. P. Steele, and M. J. Sanderson. "Plastid genomes evolution in Cactaceae: drastic reduction in columnar giants and close relatives in Cactoideae". Poster for Biology of CAM Plants conference, Desert Botanical Garden, Phoenix, April 2018.

Wojciechowski, M. F., E. Cassetta, L. C. Majure, A. Martin, K. P. Steele, and M. J. Sanderson. "Plastid genome evolution in Cactaceae (Caryophyllales)". Poster for the Plant Genome Evolution II conference, Sitges, Spain, October 2017.

Copetti, D., A. Búrquez, T. Hernandez, T. Liu, K. Childs, L. Eguiarte, M. McMahon, R. Wing, M. F. **Wojciechowski**, and M. J. Sanderson. "Development and analysis of genomic resources for the saguaro cactus (*Carnegiea gigantea*) and other Cactaceae". Poster for Plant-Animal Genome XXV conference, San Diego, CA, January 2017.

Steele, K. P., B. Boone, and M. F. **Wojciechowski**. "Confirmation of species identification of *Medicago* NPGS germplasm using DNA barcoding and ploidy level estimation using genome size data". Poster for Crop Sciences of America Society annual meeting, Phoenix, AZ, November 2016.

Garcia-Pichel, F., M. F. **Wojciechowski**, J. Lombard, S. Dunaj, S. Wu, and T. Soule*. "Timing of the Precambrian Rise in atmospheric oxygen through molecular evolutionary reconstructions of the cyanobacterial sunscreen, scytonemin". Oral presentation, Cyanobacteria 2016 meeting, Tempe, Arizona, May 2016.

Steele, K. P. and M. F. **Wojciechowski**. "*ndh* gene loss from the plastid genome of the saguaro, *Carnegiea gigantea* (Cactaceae)". Poster presentation (#1325) at annual Botanical Society of America/American Society of Plant Taxonomists meeting, Edmonton, Alberta, July 2015.

Sanderson, M. J., D. Copetti, A. Búrquez, E. Bustamante, J. L. M. Charboneau*, L. Eguiarte, S. Kumar, H. O. Lee, J. Lee, M. McMahon, K. P. Steele, R. Wing, T-J. Yang, D. Zwickl, and M. F. **Wojciechowski**. "Exceptional reduction of the plastid genome of saguaro cactus (*Carnegiea gigantea*, Cactaceae)". Poster presentation (#799) at annual Botanical Society of America/American Society of Plant Taxonomists meeting, Edmonton, Alberta, July 2015.

Steier, J. K. P. Steele, T. Mandakova, and M. F. **Wojciechowski**. "Genome size and chromosome number evolution in early diverging species of *Medicago* (Fabaceae)". Poster presentation (#1265) at annual Botanical Society of America/American Society of Plant Taxonomists meeting, Edmonton, Alberta, July 2015.

Steele, K. P., K. Johnson, R. Taylor Jr.*, M. F. **Wojciechowski**. "Genome size estimation in *Medicago* (Leguminosae): independent losses and gains?" Poster presentation at the Plant Genome Evolution I conference, Amsterdam, The Netherlands, September 2013.

Steele, K. P., T. Nidey*, J. Yoder, P. Tiffin, J. Mudge, R. Taylor, Jr.* and M. F. **Wojciechowski**. "Phylogenetic analyses of *Medicago* using plastid, nuclear-encoded molecular markers, and low coverage genomic data". Oral presentation, 6th International Legume Conference, Johannesburg, South Africa, January 2013.

Madison, D., J. Myers, E. Northam, K. P. Steele, and M. F. **Wojciechowski**. "Kudzu (*Pueraria montana*, Fabaceae) in Arizona: identification of sterile material using morphology and DNA sequences". Southwestern Vegetation Management Association Annual Conference, Casa Grande, Arizona, November 2006.

Garcia-Pichel, F., and M. F. **Wojciechowski**. "Convergent evolution of cyanobacterial rope-makers: microbes that hold their ground". Oral presentation, 12th International Symposium on Phototrophic Prokaryotes (ISPP2006), Pau, France, August 2006.

*Csizmadi, J., N. Snow, G. Berensford, A. Salywon, and M. F. **Wojciechowski**. "Testing generic boundaries of *Rhodomyrtus* (Myrtaceae) using nrDNA ITS sequence data and morphology". Oral presentation (# 492) at annual Botanical Society of America/American Society of Plant Taxonomists meeting, Chico, California, August 2006. [thesis research]

Howard, J. H., and M. F. **Wojciechowski**. "A phylogenetic analysis of nuclear *nfr*5/*sym*10 Nod factor receptor gene sequences from the IR-lacking clade of papilionoid legumes (Fabaceae)". Poster (#334) at annual Botanical Society of America/American Society of Plant Taxonomists meeting, Chico, California, August 2006. [dissertation research]

Wojciechowski, M. F., K. P. Steele, M. J. Sanderson, and M. Lavin. "Absolute age estimates in legumes indicate larger genera have higher rates of diversification". Abstract (# 730) for contributed presentation at annual Botanical Society of America/American Society of Plant Taxonomists meeting, Chico, California, August 2006.

Dugan, L. E., J. S. Walker, C. Gries, L. R. Landrum, and M. F. **Wojciechowski**. "The effects of urbanization on plant species richness in and around a rapidly growing desert metropolitan area". Abstract for contributed poster at annual Ecological Society of America meeting, Memphis, Tennessee, August 2006. [undergraduate student research]

Dugan, L., L. Landrum, C. Gries, M. F. **Wojciechowski**, and D. Hope. "A system for creating, storing, and identifying plant voucher specimens from a large sampling area". Central Arizona–Phoenix Long-Term Ecological Research (CAP LTER) 8th Annual Poster Symposium, Arizona State University (poster), 2006. [undergraduate student research]

Farruggia, F. T., A. Delgado-Salinas, M. Lavin, and M. F. **Wojciechowski**. "Molecular phylogenetic analysis of the pantropical legume genus *Sesbania*". Abstract for contributed oral presentation (# 221) at annual Botanical Society of America/American Society of Plant Taxonomists meeting Austin, Texas, August 2005. [dissertation research]

Steele, K. P., S. Zarre and, M. F. **Wojciechowski**. "Phylogenetic analyses of subtribe Trigonellinae: *Medicago, Melilotus,* and *Trigonella* (Leguminosae) using nucleotide sequence data from two nuclear protein-coding genes, *Le* and *pgi*C, and plastid gene *mat*K". Contributed poster presentation (P1160), XVII International Botanic Congress, Vienna, Austria, July 2005.

Hazelton, A., A. Salywon, R. Puente, and M. F. **Wojciechowski**. "Searching for the relatives of *Opuntia ficus-indica* (L.) Mill. (Cactaceae) using chloroplast sequence data". 12th Annual Undergraduate Research Poster Symposium, Undergraduate Biology Enrichment Program, School of Life Sciences, ASU (poster), 2005. [undergraduate student research]

*Bates, S., M. F. **Wojciechowski**, R. Roberson, and D. DesJardin. "Arizona members of the Geastraceae and Lycoperdaceae (Basidiomycota, Fungi): monography, phylogeny and spore ultrastructure". Poster at the Mycological Society of America Annual Meeting, Asilomar, California, August 2004. [thesis research]

*Chacón, E., A. Pérez, E. Ramírez, M. F. **Wojciechowski**, and F. Garcia-Pichel. "Molecular and geologic signatures of microboring phototrophic communities in marine carbonates from Cabo Rojo, Puerto Rico". Poster at 10th International Symposium on Microbial Ecology, Cancun, Mexico, 2004. [postdoc research]

Ickert-Bond, S. M., and M. F. **Wojciechowski**. A phylogeny of *Ephedra* (Gnetales) based on nuclear ribosomal DNA ITS and plastid *rps*4 sequences. Oral presentation (#774) at BSA/ASPT annual meeting, Snowbird, Utah, July 2004. [student dissertation research]

Pigg, K. B., M. F. **Wojciechowski**, and M. L. DeVore. "Samaras from the Late Paleocene Almont and Beicegel Creek floras of North Dakota, U.S.A., with potential affinities to *Securidaca* (Polygalaceae)". Oral presentation (#594) at the BSA/ASPT annual meeting, Snowbird, Utah, July 2004.

Salywon, A., N. Snow, M. F. **Wojciechowski**, J. Csizmadi*, and L. Landrum. "Phylogenetic relationships of Myrtaceae as inferred from nrDNA ITS sequence data". Poster at the BSA/ASPT annual meeting, Snowbird, Utah, July 2004. [dissertation research]

Steele, K. P., G. Kenicer*, and M. F. **Wojciechowski**. "Phylogenetic analyses of genera in the tribes Trifolieae and Fabeae (Leguminosae) using nucleotide sequence data of the plastid gene *mat*K". Oral presentation (#757) at the BSA/ASPT annual meeting, Snowbird, UT, July 2004.

*Bates, S., R. Roberson, M. F. **Wojciechowski**, and D. DesJardin. "Arizona puffballs and earthstars (Lycoperdaceae and Geastraceae, Basidiomycota, Fungi). Poster at the Mycological Society of America annual meeting, July 2003. [thesis research project]

*Bates, S., M. F. **Wojciechowski**, and R. Roberson. "Basidiospore ultrastructure in gastroid fungi: assessing phylogenetically informative characters and creating utilitarian taxonomy". Poster at the Arizona Imaging and Microanalysis Society Annual Meeting, Phoenix, Arizona, 2003. [student thesis research]

Wojciechowski, M. F., M. Lavin, and M. J. Sanderson. A phylogeny of legumes (Fabaceae) based on sequences of the plastid *mat*K gene. Contributed oral presentation (# 212) at the BSA/ASPT annual meeting, Mobile, Alabama, July 2003.

Ickert-Bond, S., and M. F. **Wojciechowski**. "Timing the evolutionary divergence of crown group Gnetales: integration of molecular and fossil data". Poster presentation at symposium "Plant species-level systematics: patterns, processes and new applications", Nationaal Herbarium Nederland, Leiden, the Netherlands, 2002. [student dissertation research]

Nash, T. H., D. Persoh, E. Barreno, M. F. **Wojciechowski**, and G. Rambold. "Lichenicolous lichens: independent lines of evolution? – evidence from *Acarospora stafiana*". Contributed oral presentation at the International Mycological Congress, Oslo, Norway, 2002.

Lavin, M., M. F. **Wojciechowski**, M. J. Sanderson, and A. Richman. "Molecular biogeography of temperate and tropical legumes in North America". Contributed oral presentation [*American J. Botany* 87(s): 101] at BSA/ASPT annual meeting, Albuquerque, New Mexico. July 2001.

Magallón, S. A., M. J. Sanderson, J. A. Doyle, and M. F. **Wojciechowski**. "Estimate of the age of the angiosperm crown group derived from integrated analysis of molecular and paleontological data". Contributed oral presentation [*American J. Botany* 87(s): 141] at BSA/ASPT annual meeting, Portland, Oregon, July 2000.

Steele, K. P., E. Tizon*, R. C. Evans, C. S. Campbell, and M. F. **Wojciechowski**. "Sister group relationships of Fabaceae and Rosaceae: phylogenetic relationships of eurosids I". Contributed oral presentation [*American J. Botany* 87(s): 160] at the BSA/ASPT annual meeting, Portland, Oregon, July 2000.

Steele, K. P., L. Yang*, M. Sabir, and M. F. **Wojciechowski**. "Phylogenetic relationships of the tribes Trifolieae and Vicieae (Fabaceae) using sequences of Mendel's stem length gene, *Le"*. Contributed presentation oral presentation [*American J. Botany* 87(s): 159] at the BSA/ASPT annual meeting, Portland, Oregon. July 2000.

Campbell, C. S., M. F. **Wojciechowski**, W. A. Wright, and L. A. Alice*. "Hybridization, agamospermy and microspecies in *Amelanchier* (Rosaceae)". Contributed oral presentation [*American J. Botany* 83(s): 144], at the BSA/ASPT annual meeting, University of Washington, Seattle, July 1996.

Lavin, M., A. Beyra-Matos*, M. F. **Wojciechowski**, and M. J. Sanderson. "Evolution of the lomented legume pod and the relationships of the tribe Adesmieae (Leguminosae)". Contributed oral presentation [*American J. Botany* 83(s): 172], at the BSA/ASPT annual meeting, University of Washington, Seattle, July 1996.

Sanderson, M. J., M. F. **Wojciechowski**, and J.-M. Hu*. "Molecular systematic evidence on the polyphyly of South American *Astragalus* L. (Fabaceae)". Contributed oral presentation [*American J. Botany* 83(s): 189] at the BSA/ASPT annual meeting, University of Washington, Seattle, July 1996.

Carareto, C. M. A., W. Kim, M. F. **Wojciechowski**, P. M. O' Grady*, A. V. Prokchorova*, J. C. Silva* and M. G. Kidwell. "Using transposable elements to drive genes into insect populations. I. Testing autonomous versus non–autonomous *P* element constructs in *Drosophila melanogaster*". Contributed presentation, *Brazilian J. of Genetics* 18: 289, 1995.

Carareto, C. M. A., A. V. Prokchorova*, M. F. **Wojciechowski** and M. G. Kidwell. "Using transposable elements to drive genes into insect populations. II. Testing a *P* element construct carrying a neutral *rosy* marker in *Drosophila melanogaster*". Contributed presentation, *Brazilian J. of Genetics* 18: 290, 1995.

Sanderson, M. J., and M. F. **Wojciechowski**. Molecular phylogenetic analysis of a temperate legume clade (Fabaceae)". Contributed oral presentation [*American J. Botany* 82(s): 159] at the BSA/ASPT annual meeting, San Diego, California, July 1995.

Wojciechowski, M. F., and M. J. Sanderson. "Phylogenetic analysis of DNA sequence variation in the leucine tRNA gene group I intron of the chloroplast genome: an example from the Fabaceae". Contributed oral presentation [*American J. Botany* 82(s): 172] at the BSA/ASPT annual meeting, San Diego, California, July 1995.

Baldwin, B. G., C. S. Campbell, J. M. Porter*, M. J. Sanderson, M. F. **Wojciechowski**, and M. J. Donoghue. "Utility of nuclear ribosomal DNA ITS sequences in phylogenetic analyses of angiosperms". Contributed oral presentation [*American J. Botany* 80(s): 119'] at the BSA/ASPT annual meeting, Iowa State University, Ames, Iowa, July 1993.

Campbell, C. S., B. G. Baldwin, and M. J. Donoghue, and M. F. **Wojciechowski**. "Toward a phylogeny of *Amelanchier* (Rosaceae; Maloideae): evidence from sequences of the internal transcribed spacers (ITS) of nuclear ribosomal DNA". Contributed oral presentation [*American J. Botany* 80(s): 135– 136] at the BSA/ASPT annual meeting, Iowa State University, Ames, Iowa, July 1993.

Campbell, C. S., B. G. Baldwin, and M. J. Donoghue, and M. F. **Wojciechowski**. "A phylogeny of Maloideae (Rosaceae) from sequences of the internal transcribed spacers (ITS) of nuclear ribosomal DNA". Contributed oral presentation [*American J. Botany* 80(s): 135] at the BSA/ASPT annual meeting, Iowa State University, Ames, Iowa, July 1993.

Sanderson, M. J. and M. F. **Wojciechowski**. "Phylogenetic analysis of rates of diversification in Galegeae (Fabaceae): *Are* there so many species of *Astragalus*?" Contributed oral presentation [*American J. Botany* 80(s): 174] at the BSA/ASPT annual meeting, Iowa State University, Ames, Iowa, July 1993.

Wojciechowski, M. F., M. J. Sanderson, B. G. Baldwin, and M. J. Donoghue. "Monophyly of aneuploid New World *Astragalus* (Fabaceae) supported by nuclear ribosomal DNA sequences". Contributed oral presentation [*American J. Botany* 80(s): 183] at the BSA/ASPT annual meeting, Iowa State University, Ames, Iowa, July 1993.

Wojciechowski, M. F. "Evolution of DNA repair and recombination in *Bacillus subtilis*". Invited presentation and discussant at Gordon Research Conference, Population Biology and Evolution of Microorganisms, Plymouth State College, July 1989.

Wojciechowski, M. F., P. E. Love, and R. Yasbin. "Characterization of Tn917 insertions in *Bacillus subtilis* inducible DNA repair and recombination genes". Contributed poster presentation at the American Society for Microbiology annual meeting, March 1986.

Wojciechowski, M. F., and T. Meehan. "Alteration of DNA methylation by the carcinogen benzo[a]pyrene". Contributed presentation *J. Cellular Biochemistry* 7(B): 232, March 1983.

Wojciechowski, M. F. "Inhibition of *in vitro* DNA methylation by the carcinogen benzo[a]pyrene". Contributed presentation at the American Cancer Society annual meeting, *Proc. American Assoc. for Cancer Research* 24: 57, 1983.

Shen-Miller, J., R. E. McNitt, and M. F. **Wojciechowski**. "Light and electron microscopy of geo-responding corn roots". Contributed presentation at the American Society for Plant Biology annual meeting. *Plant Physiology* 57(5): 18, July 1976.

SELECTED INVITED SEMINARS/PRESENTATIONS

Jepson eFlora Revision 12 Workshop, University of California, Berkeley, March 2024
Arizona State University, School of Life Sciences seminar series, February 2016
Rancho Santa Ana Botanical Garden, Claremont Colleges, Claremont, CA, April 2014
Institute for Bioinorganic Chemistry, Polish Academy of Sciences, Poznan, Poland, May 2007 and November 2008
Arizona State University, New College of Natural Sciences, West Campus, March 2007
Northern Arizona University, Flagstaff, January 2006
Bay Area Biosystematists, California Academy of Sciences, San Francisco, December 2005
University of Tehran, Iran, June 2004 (could not get VISA in time, K. P. Steele gave seminar)
Washington State University, Pullman, WA, February 2001
Bay Area Biosystematists, University of California, Berkeley, February 1998
University of Maine, Department of Plant Biology and Pathology, February 1993
UCLA Symposium on Molecular Evolution, Lake Tahoe, CA, February 1989
University of Arizona, Department of Ecology and Evolutionary Biology, March 1988
Wind River Conference on Genetic Exchange, Wind River, CO, June 1985
University of Chicago, Department of Chemistry, Chicago, IL, April 1981

PROFESSIONAL DEVELOPMENT MEETINGS/WORKSHOPS

Molecular Evolution Workshop, Marine Biological Lab, Woods Hole, MA, June 2002
PAC12+3 Arts and Sciences Deans Meeting, University of Colorado, Boulder, CO, April 2016
PAC12+3 Arts and Sciences Deans Meeting, Arizona State University, Tempe, AZ, February 2019
PAC12+3 Arts and Sciences Deans Meeting, University of Washington, Seattle, WA, March 2020 (canceled due to COVID-19)

EXTERNAL AND INTERNAL GRANTS FUNDED

2019–2023, NSF Systematics & Biodiversity Program (1853010), "Collaborative Research: Phylogenomics and Cytonuclear Coevolution of Papilionoid Legumes", M. F. Wojciechowski (PI); R. K. Jansen (PI), T. Ruhlman (Univ. Texas, Austin). $776,057 total, $297,618 to ASU [support for lab work and 2 yrs for postdoctoral scientist]
2017–2020, NSF Systematics & Biodiversity Program (1656064), "Plastid genome evolution in Cactaceae, a New World succulent radiation"; M. F. Wojciechowski PI, with co-PIs L. Majure, M. J. Sanderson, and K. P. Steele. $149,086. [support for lab work, students]
2013, SoLS RTI New and Bold Research Proposals program, "The saguaro genome: toward the ecological genomics of a Sonoran Desert icon"; M. F. Wojciechowski PI, $5,000.
2008–2009, NSF OISE Program (#08060504), "International: An Investigation of Novel Morphologies and Ecology involved in the Evolution, Rapid Diversification and Trans-Oceanic Dispersal of *Sesbania* (Leguminosae)"; M. F. Wojciechowski PI, and F. T. Farruggia, $14,800.00 [graduate student travel to South America, molecular research]
2006–2009, NSF Systematic Biology (#0542958), "Molecular systematics of the temperate IR-lacking clade of papilionoid legumes (Leguminosae) and the evolution of nod factor receptor genes"; M. F. Wojciechowski PI, $263,305. [support for one graduate student research assistant and one undergraduate research assistant]
2006, Arizona-Nevada Academy of Science (001696), "Genetic diversity in *Proboscidea sabulosa* Correl (Martyniaceae), a rare sand dune endemic from Texas and New Mexico"; M. F. Wojciechowski PI and R. Gutierrez, $700 [dissertation research support]
2003, School of Life Sciences Initiatives Program, $6,500.
2003–2006, NSF, DBI-Instrumentation and Instrument Development/Multi-User (0301435), "A capillary DNA sequencer and denaturing HPLC for molecular genetics, ecogenomics, and experimental bioinformatics". Co-PI with T. E. Dowling (PI), S. Bingham, R. Blankenship, J. Collins, B. Jacobs, $357,162. [instrumentation grant]
2001–2005, L. R. Heckard Endowment grants, Jepson Herbarium (UC Berkeley), $2,500.

1994–1998, NSF Systematic Biology, "Phylogenetics of New World *Astragalus*: Molecular, morphological and cytogenetic evidence". Co–PI with M. J. Sanderson, University of California, Davis, $189,986.
1989–1992, NIH, "Evolutionary genetics of DNA repair and recombination". Co-PI with R. E. Michod (PI), University of Arizona, $608,364.
1989, University of Arizona Small Grants Program, "Phylogenetic analysis of a flowering plant genus using molecular characters". Co-PI with M. J. Donoghue, $4,900.
1988–1989, NIH Biomedical Research Support grant, "Quantitation of the RecA protein of *Bacillus subtilis*". PI, University of Arizona, $6,000.
1988, NSF Biological Instrumentation Program (DIR-881064). Co-PI with M. G. Kidwell *et al*., University of Arizona, $45,000.
1986–1988, NIH Biomedical Research Support, "Regulation of stationary phase-induced phenomena in *Bacillus subtilis*". PI, University of Arizona, $10,000.
1981–1984, NIH National Research Service Award. Michigan Molecular Institute, $36,000.
1979–1981, NSF Ecosystem Studies (DEB 7914035), Doctoral Dissertation Improvement Grant, "Assessment of nitrogen fixation activity in alpine tundra plant communities of the Colorado Rocky Mountains". University of Northern Colorado, $1,500.

TEACHING

Arizona State University, 2002–2023

Molecular Phylogenetic Analysis, PLB 591 (4 cr.); Spring semester 2002
Flora of Arizona, PLB 310 (4 cr.); Spring semesters, 2003–2006, 2008, 2010
Macroevolution, PLB 494/598 (2 cr., 3 cr.); Fall 2002, Fall 2007, Spring 2018
Plant Morphology and Evolution, PLB 394/598 (3 cr.); Fall 2004 (co-taught w/ K. Pigg)
Plant Diversity & Evolution, PLB 300 (4 cr.), Spring 2006, 2007, 2009, 2011; as BIO 303 (4 cr.) Fall 2019, Fall 2021 (co-taught w/ K. Pigg)
Special Topic Seminars, BIO/GLG/PLB 498/591 (1-2 cr.); in Evolution, Angiosperm Systematics, Paleobotany, Notable 20th Century Botanists, Phylogenetic Approaches to Community Ecology, Basic Phylogenetic Methods, Plant Development, Spring 2003–2015 (often w/K. Pigg, J. Farmer, J. Briggs, R. Gaxiola, H. Cadillo Quiroz)
Phylogenetic Biology and Analysis, BIO 549 (4 cr.); Fall 2003, 2006, 2010, 2013, 2018, 2023
Organic Evolution, BIO 345 (4 cr.); Fall 2009 through Fall 2017 (with one co-instructor)
Freshman Seminar (SoLS), BIO 189 (1 cr.), topic "Trees of Life", Fall 2012
Administrative position release from teaching spring semesters, 2013-2023
Perspectives in Plant Biology and Conservation, PLB 502, Fall 2020 (co-taught w/S. Fehlberg), Fall 2022 (co-taught w/T. Hernández)
Current Topics in Plant Biology, PLB591/BIO498, e.g., topics included "Photosynthesis: from plastid genome evolution to sugar transport", Spring 2016 (w/R. Gaxiola); "What's trending in *Trends in Plant Science*", Spring 2017 (w/R. Gaxiola); "Plant domestication, breeding, and genomics", Spring 2022 (w/C. Chen)
Invited lectures in:
Flora of Arizona, BIO 303, Spring 2012, 2014, 2016, 2018
Development, BIO 351, Fall 2009, 2011
Bacterial Diversity and Systematics, MIC 470, Fall 2014, 2018
Topics in Molecular Biology, MCB 555, Fall 2018
Research Areas of Evolution, EVO 610, Fall 2016, Spr. 2017-2019

Workshops Taught

Family Fabaceae, Jepson Herbarium Botanical Workshop, White Mountain Research Center, Bishop, CA, July 1995
Legumes of the White Mountains (California), Jepson Herbarium Botanical Workshop, Crooked Creek Research Station, White Mountains, CA, August 1998
Flora of the Sweetwater Mountains (California), Jepson Herbarium Botanical Workshop, Bridgeport, CA, June 2002

University of Arizona, 1986–1997
General Genetics (laboratory coordinator), 1986 - 1990
Molecular Systematics Methods workshop (offered by the Laboratory of Molecular Systematics & Evolution), 1992
Molecular Sequence Alignment workshop (offered by the Laboratory of Molecular Systematics & Evolution), 1993

University of Northern Colorado, Graduate Teaching Assistant, Instructor, 1977–1981
Courses: Plant Physiology, Microbiology, Human Anatomy, Physiology, Introductory Organic Chemistry and Biochemistry
Principles of Botany, BIO 102 (lecture and lab; fall 1980)

GRADUATE STUDENT MENTORING, CURRENT

Carmen Webster, Ph.D. program in Evolutionary Biology (co-chair), May 2022 to present
Molly Corr, Ph.D. program in the School of Human Evolution and Social Change (research consultant), April 2023 – present
Brittany Burgard, M.S. program in Plant Biology & Conservation (committee), fall 2022 – present

POSTDOCTORAL RESEARCH ASSOCIATE MENTORING

Laura Torrentera, 2002 – 2004 (co-funded with F. Garcia-Pichel)
In-Su Choi, February 2020 – February 2022 (NSF grant supported)

GRADUATE STUDENTS COMPLETING PH.D. DEGREES

Sophia Winitsky, Ph.D. in Plant Sciences and Plant Pathology, Montana State University, Bozeman (2023), committee: dissertation "An evolutionary study of the genus *Marina* (Fabaceae): Phylogenetic systematics, overlooked biodiversity and drought adaptations of the false prairie clovers"
Kyle Gray, Ph.D. in Evolutionary Biology (2023), committee: dissertation "Biodiversity and biogeography of Myrmecosymbioses and Vanuatuan ants"
Rafaela Salgado Fontenele, Ph.D. in Microbiology (2021), committee: dissertation "Characterization of Geminiviruses infecting Cactaceae plants: Spill-Over events in agro-ecological interfaces and evolutionary aspects"; current postdoc, ASU
Peter Breslin, Ph.D. in ELS (2020), chair: dissertation "Multiple perspectives on plant conservation biology: Molecular phylogeny and biogeography of the Mammilloid clade (Cactaceae) of Baja California and adjacent regions, with assessment of extinction risks to a selected species, *Cochemiea halei,* as a result of climate change"; [Michael A. Cichan Memorial Award recipient]; current, Research Scientist, University of Arizona
Kamesh Regmi, Ph.D. program in Environmental Life Sciences (2016), committee: dissertation, "Sucrose translocation and loading in a vascular monocot and a non-vascular moss"; current Postdoctoral Research Associate, Indiana University, Bloomington, IN
Heather Kropp, Ph.D. in Environmental Life Sciences (2015), committee: dissertation "An ecohydrological perspective on plant-plant interactions in arid and semi-arid ecosystems"; current Assoc. Professor, Hamilton College, Clinton, NY
Karen Fisher, Ph.D. in Plant Biology (2015), committee: "Examining the Hypha: a review of growth, cytoplasmic organization, and ultrastructure in select Fungi"; current Research Scientist, Arizona State University, Tempe
Erica Tassone, Ph.D. in Biology (2013), committee: "Spatial and temporal patterns of population genetic diversity in the fynbos plant, *Leucadendron salignum*, in the Cape Floristic Region of South Africa"; current Regenesis Biomedical, Scottsdale, AZ
John Benedict, Ph.D. in Plant Biology (2012), committee: dissertation "Zingiberalean fossils from the Late Paleocene of North Dakota, USA and their significance to the origin and diversification of Zingiberales"; current Teaching Associate, the University of Michigan,

Ann Arbor, MI [Michael A. Cichan Memorial Award recipient]
Rakhee S. Dangi, Ph.D. in Biotechnology (2012), external reviewer, dissertation "Diversity in genus *Trigonella*: molecular and chemical characterization", University of Pune (India)
Jessica (nee Mohler) Amacher, Ph.D. in Microbiology (2011), committee: dissertation "Protist and cyanobacterial contributions to particle flux in oligotrophic ocean regions"; current Faculty, Illinois Mathematics and Science Academy, Aurora, IL
Malcolm Taylor, Ph.D. in Plant Biology (2010) committee: dissertation "*Cyclocarya brownii* from the Paleocene of North Dakota"; current college teacher in Boston, MA
Jamie H. Howard, Ph.D. in Plant Biology (2010), chair: dissertation "A phylogenetic approach to examining symbiotic specificity and evolution in the Legume-Rhizobial nitrogen-fixing symbiosis"; current Teaching Professor, Pennsylvania State University, Abington, PA
Frank Farruggia, Ph.D. in Plant Biology (2009), chair; dissertation "Phylogenetic and monographic studies of the pantropical genus *Sesbania* Adanson (Leguminosae)"; current Senior Scientist, Environmental Fate and Effects Div., U.S. Environmental Protection Agency, Washington DC., Research Associate, Smithsonian Institution, Washington, DC
Raul Gutierrez, Ph.D. in Plant Biology (2009), chair; dissertation "Systematics of Martyniaceae"; current Environmental Scientist, U.S. Environmental Protection Agency, and Research Associate, Botanical Research Institute of Texas, Dallas, TX
Cyd Hamilton, Ph.D. in Biology (2009), committee; dissertation "The effects of endophyte hybridization on host grass performance", current Research Scientist, University of Tennessee, Oak Ridge, TN
Scott Bates, Ph.D. in Microbiology (2009), committee; dissertation "Diversity and structure of fungal communities in biological soil crusts from the southwestern United States"; current Professor at Purdue University Northwest, Hammond, IN
Tanya Do Soule, Ph.D. in Microbiology (2009), committee; currently Associate Professor at Indiana University-Purdue University, Ft. Wayne, IN
James S. Boatwright, Ph.D. in Botany (2009), dissertation "Systematic studies of the genus *Lebeckia* and related genera of the tribe Crotalarieae (Fabaceae)", University of Johannesburg, South Africa, outside reviewer; current Professor, University of the Western Cape, Cape Town, South Africa
Peter Unmack, Ph.D. in Biology (2005), committee; dissertation "Historical biogeography and a priori hypotheses based on freshwater fishes"; current Research Scientist, University of Canberra, Australia
Stefanie Ickert-Bond, Ph.D. in Plant Biology (2003), committee; dissertation "*Ephedra* systematics and evolution"; current Professor and Curator of Herbarium, University of Alaska, Fairbanks, AK
Andrew Salywon, Ph.D. in Plant Biology (2003), committee; dissertation "Systematics of *Mosiera* (Myrtaceae)"; current Herbarium Curator & Research Botanist, Desert Botanical Garden, Phoenix, AZ

GRADUATE STUDENTS COMPLETING M.S. DEGREES

Zane Robertson, M.S. in Plant Biology & Conservation (June 2024); co-chair
Christian Parrinello, M.S. in Biology (May 2024); co-chair
Andrew Hopkins, M.S. in Biology (May 2023); chair
Evan Mee, M.S. in Biology (May 2022); committee
Bryce Sutter, M.S. in Biology (May 2022); committee
Zachary Berry, M.S. in Biology (May 2021); committee
Alison Willis, M.S. in Biology (May 2020); co-chair
Viola Sanderlin, M.S. in Biological Design (2019); committee
Albatool Albediwi, M. S. in Plant Biology and Conservation (2017); chair
Michael A. Jansen, M.S. in Biology (2014); committee
Anne C. Barber, M.S. in Biology (2012); committee
Bethany Lund, M.S. in Plant Biology (2008); committee
Virginia Earl-Murowski, P.S.M. in Computational Biosciences (2007); committee

Meraj Aziz, P.S.M. in Computational Biosciences (2007); committee
Richard Bond, M.S. in Plant Biology (2006); committee
Chaitanya R. Acharya, P.S.M. in Computational Biosciences (2006); committee
Carol J. Barner, P.S.M. in Computational Biosciences (2006); committee
Jessica Czismadi, M.S. in Biology (received "Citation for Outstanding Thesis" by Graduate College), University of Northern Colorado (2006); committee & research advisor
Shubhra Gupta, P.S.M. in Computational Biosciences (2004); committee
Carolyn A. Schroeder, M.N.S. in Biology (2004); committee
Tiffany J. Morris, P.S.M. in Computational Biosciences (2004); committee & project advisor
Jessica Rennert, P.S.M. in Computational Biosciences (2003); committee & project advisor

Other students mentored:
Cole Larson-Whittaker, Ph.D. program in Biology (2020-2022), co-chair; resigned from committee fall 2022
Katherine Huxster, Ph.D. program in Evolutionary Biology (2012-2017), chair; withdrew from program; current Vegetation Ecologist, Center for Environmental Management, Las Vegas, NV
Mark L. Buhanan, M.S. program in Plant Biology (2007-2010), chair; deceased before completing degree
Maria Tcherepova, Ph.D. program in Plant Biology (2002-2006), committee; deceased before completing degree

UNDERGRADUATE STUDENT MENTORING (RESEARCH SUPERVISOR, HONORS PROGRAM)

Hannah Brzezinski, B.S. in Molecular Biology & Biotechnology; Barrett Honors College Thesis Co-Director, April 2022
Madeline Sopa, B.S. in Biological Sciences, 2021; current Essent Biologics, Denver, CO
Andrew Hopkins, B.S. in Applied Biological Sciences, 2019, w/KP Steele; M.S. program in Biology; current Research Technician, School of Life Sciences, ASU
Natalie Sandoval, B.S. in Applied Biological Sciences, 2019, w/KP Steele; current Pharmacy technician, Mesa, AZ
Austin Alt, B.S. in Biological Sciences program, 2019; current Ph.D. program, Washington State University, Pullman, WA
Annette Martin, B.S. in Biological Sciences, 2018; current microbiologist, USDA, Phoenix, AZ
Eric Cassetta, B.S. in Biological Sciences, 2017; Breeding Technician, The Land Institute, KS
Julia Steier, B.S. in Biological Sciences, 2016, Barrett Honors College, SOLUR Researcher; M.S. in Plant Biology, University of Edinburgh; current Research Scientist, Smithsonian Institution
Brianna Boone, B.S. in Applied Biological Sciences, 2017, w/KP Steele; current veterinarian in Washington state
Beedemariam Kassaw, B.S. in Biology, 2014; PREP program at University of Rochester, 2017
Ken Johnson, B.S. in Biology, 2013, w/KP Steele; current physician (M.D.) in California
Robert Taylor, Jr., B.S. in Applied Biological Sciences, 2013, w/KP Steele; current veterinarian in North Carolina
Tyffany Nidey, B.S. in Applied Biological Sciences, 2012, w/KP Steele; current high school teacher in Yuma, AZ
Nathan Gardner, B.S. in Molecular Biology & Biotechnology, 2011; current TGen, Phoenix
Darryl Narcisse, B.S. in Molecular Biology & Biotechnology, 2009; current Research Scientist, Nanoscope Technologies, Dallas, TX
Tia Alhquist, B.S. in Plant Biology, 2009, SOLUR Researcher; M.S., Miami Univ. 2012; current Senior Education Program Coordinator, SHESC, ASU
Josue Lopez, B.S. in Molecular Biology & Biotechnology; summer 2008
Zachary Poss, B.S. in Plant Biology, 2008, Ph.D. University of Colorado, 2017; current Staff Scientist at Strategic Analysis, Inc., DARPA
Carrie Lipka, B.S. in Environmental Science/Ecology, 2007, SOLUR Researcher; current Laboratory Specialist Supervisor, Mesa Community College, Mesa, AZ

R. Bruce Jones, B.S. in Plant Biology, 2007; current teacher, Mesa High School
Maeve O'Huallachain, B.S. in Biology, Barrett Honors College, 2006; Honors thesis reader; current Scientist, Apprise Bio, San Francisco, CA
Johanna Mahn, B. S. in Biology, 2006
Christopher J. Muñoz, B.S. in Plant Biology, 2005
Andrea Hazelton, B.S. in Plant Biology, 2006; Navajo Nation Botanist, current Botanical and Ecological consultant, Flagstaff, AZ
Charlie Wilson, B.S. in Biological Sciences, 2003
Ian Tendick, Red Mountain High School junior, 2003; current Engineer, Rethink Robotics, Boston, MA

FACULTY SABBATICAL AND STUDENT VISITORS

Dr. Jung-Hyun Lee, Professor, Department of Biology Education, Chonnam National University, Korea, July 2022 – June 2023
Dr. Domingos Benecio Oliveira Silva Cardoso, Associate Professor, Instituto de Biologia, Universidade Federal da Bahia, Salvador, Bahia, Brazil, June to July 2022
Dr. Enriquena Bustamante, Departamento de Ecología de la Biodiversidad, Instituto de Ecología, Universidad Nacional Autónoma de México, Hermosillo, Sonora, July 2019
Dr. Shahrokh Kazempour Osaloo, Professor, Department of Plant Biology, Tarbiat Modares University, Tehran, Iran, February – August 2017
Dr. Guilherme B. Ceolin, Associate Professor, Universidade Federal de Santa Maria, Santa Maria, RS, Brazil, July 2012
Ms. Meryem Ozturk, Ph.D. student at Selçuk University, Meram-Konya, Turkey, September 2010 – April 2011
Ms. Jessica (nee Czismadi) McFadden, M.S. student at the University of Northern Colorado, Greeley, January – March 2004

PROFESSIONAL SERVICE

Ad hoc reviewer for journal manuscripts: *American J. of Botany, The American Naturalist, Arctic and Alpine Research, Biochemical Systematics and Ecology, Biology Letters, BMC Plant Biology, Botanical J. of the Linnean Society, Botany, BRIT Journal, Brittonia, Canadian J. of Botany, Euphytica, Evolution, Frontiers in Plant Science, Genetics, Genome, International J. of Plant Sciences, J. of Bacteriology, J. of Molecular Evolution, J. of Phycology, J. of Plant Research, J. of Systematics and Evolution, Kew Bulletin, Madroño, Molecular Biology and Evolution, Molecular Microbiology, Molecular Phylogenetics and Evolution, New Phytologist, Nordic J. Botany, Novon, Phytokeys, Phytomorphology, Phytotaxa, Plant Physiology, Plants, Plant Systematics and Evolution, PLOS One, Rhodora, Scientific Reports, Systematic Biology, Systematic Botany, Taxon, Trends in Plant Science, Turkish J. of Botany, Wetlands, Willdenowia*
Reviewer for Graduate Women In Science (GWIS) National Fellowship Program, 2022 and 2023
Reviewer for a Special Species Status Assessment (SSA) for three species of *Astragalus* (Fabaceae) for the U.S. Fish and Wildlife Service, February 2022
Forensic botanical consultant: identified plant materials associated with forensic evidence in criminal case for Yavapai County (AZ) Attorney's Office, 2019-2024
Ad hoc reviewer for proposals to the National Science Foundation (DEB, Systematics and Biodiversity and Tree-of-Life Programs), University of Maine, Princeton University Press, Sinauer Associates Press, 2000 to present
Scientific Advisory Board, 7th International Legume Conference Organizing Committee, Sendai, Japan, August 2018
Author and ad hoc reviewer for *Flora of North America* treatments, 2005 - 2023
Reviewer for promotion to Research Botanist/Curator permanent position at the National Museum of Natural History, Smithsonian Institution, August 2016
Scientific Advisory Board and Session Chair, 6th International Legume Conference Organizing Committee, Johannesburg, South Africa, January 2013

Fabaceae family editor, author (29 systematic treatments, photographs) and reviewer for *The Jepson Manual*, 2nd ed., UC Press, (2012), and *The Jepson Desert Manual*, UC Press (2002)
Reviewer for promotion to Research Leader permanent position at the Royal Botanic Garden, Edinburgh, Scotland, 2008
Forensic botanical consultant: Identified population of suspected invasive plants in Sierra Vista, AZ, area as the invasive "kudzu" (*Pueraria montana* (Lour.) Merr.) based on molecular sequence and phylogenetic analyses, 2006
Co-Editor/Steering Committee, author of systematics treatments and photographic contributor to the Legumes of Arizona Project, 2006–present
NSF DEB Systematics and Diversity Program panel member, 2003, 2005 and 2007 (Systematics); 2008 (Tree of Life)
Environment & Public Policy Committee, Amer. Society for Plant Taxonomists, 2002–2005
Phylogenetic and photographic contributor to the publication *Legumes of the World* (2005), Lewis et al. (eds.), Royal Botanic Garden, Kew, UK, 577 pages
Grand Awards Judge, INTEL Science and Engineering Fair, Phoenix, May 2005
Search committee (Cactus Biologist), Desert Botanical Garden, Phoenix, AZ, May 2004
Scientific Contributor, Tree of Life Web Project: Fabales (http://tolweb.org/Fabales/21030), Fabaceae (http://tolweb.org/Fabaceae/21093), 2003-2004
Board of Directors, Arizona-Nevada Academy of Science, 2002–2003
Legume Advisory Committee, Flora of North America Project (http://www.fna.org/FNA/)
Steering Committee, The [Bay Area] Biosystematists, a renowned group of evolutionary biologists that been active in the San Francisco Bay area since 1930s, 1998–2001
WWW site design and contributions:
Biosystematists (SF Bay Area), http://ucjeps.herb.berkeley.edu/bryolab/babs/, 1998
Molecular Phylogenetics Laboratory, University of California, Berkeley, http://www.ucmp.berkeley.edu/museum/MPL/MPL.html, 1998-2001
Photographic contributor to *Rare Plants of Colorado*, 2nd ed., Colorado Native Plant Society, 1997

UNIVERSITY AND DEPARTMENTAL SERVICE

Arizona State University
The College of Liberal Arts and Sciences
Associate Dean for Facilities: July 2014 – December 2023 (0.5 FTE)
Department of Plant Biology and School of Life Sciences:
Huizingh Desert Research Fellowship selection committee, 2017 – 2023
Search Committee: Microbial Genomics, 2013-2014 and 2014-2015
Associate Director for Facilities: July 2012 – June 2014 (0.5 FTE)
Facilities Committee: 2010 – 2012
Michael A. Cichan Memorial Award selection committee, 2009 – 2023
Search Committee: Cybertaxonomy/Insect Systematist, 2009 – 2010
University and CLAS Faculty Senate, 2008 – 2011
Chair, Plant Biology Graduate Program, 2006 – 2010
SoLS Safety Committee, 2006 – 2009
SoLS Takes a Hike event leader, April 2006, 2010, 2011
Natural History Collections Committee, 2005 – 2015
Website Advisory Committee, 2004 – 2009
Undergraduate Programs committee, 2003 – 2005
Search Committee: Evolutionary and Systems Biology, 2003 – 2004
Search Committee: ASU–Desert Botanical Garden Cactus Systematist, 2003
SoLS/SoMSS Computational Biosciences Program, Executive Committee, 2003 –2007
Dept. of Plant Biology representative on Life Sciences Reorganization Steering Committee, and search committee for inaugural Associate Directors, 2002 – 2003
Dept. of Plant Biology, co-organizer, departmental seminar series, 2002 – 2003

University of Arizona, Department of Ecology and Evolutionary Biology
Undergraduate and graduate student advising/research training: 13 undergraduates and nine graduate students, 1986 – 1997
Editor of *The Drift*, EEB weekly department newsletter, 1990 – 1993
Faculty Advisory Committee, Undergraduate Biology Research Program, 1989 – 1997

EDITORIAL APPOINTMENTS (SINCE 2001)

Editor, family Fabaceae, Jepson eFlora, https://ucjeps.berkeley.edu/eflora/, 2013 - present
Editor, family Fabaceae, *Jepson Manual Project* (book), 2003 – present
Associate Editor, journal *Systematic Botany*, 2009 – 2023
Advisory Board, *Turkish Journal of Botany*, 2010 – 2015
Contributor (treatments of Fabaceae) and editor, *Flora of North America*, 2008 – 2023
Editorial Committee, *Legumes of Arizona*, *an Illustrated Flora and Reference*, 2010 – present
Invited to join editorial boards for journals *Plants*, 2021; *Frontiers in Plant Science*, 2022

SYNERGISTIC ACTIVITIES

Co-founder of the **Legume Phylogeny Working Group** (LPWG), an international collaborative group of legume systematists and phylogeneticists dedicated to coordinating and advancing research towards a comprehensive phylogeny and classification of the Leguminosae for the legume biology community, 2010 – present

Participant in NIH sponsored MARC* (Minority Access to Research Careers) Program Phase I Grant (Rosemary Renaut, PI, Department of Mathematics and Statistics) for curriculum improvement and development to enhance undergraduate student understanding in quantitative sciences (integrating mathematics into biological science courses), 2004–2006

Invited participant, **Legume Crops Genome Initiative** meeting, Sante Fe, New Mexico, to develop a white paper on translation of genomic information and bioinformatics tools into practical results across major legume crops and model systems, December 2004; Meeting reviewed in Gepts et al. (2005), *Plant Physiology* 137: 1228-1235.

FIELD EXPERIENCE

Western North America (Canada, USA, northern Mexico), 1978-1981, 1987 – present; Baja California, 1994, 1995, 2008 – 2013; Argentina 1995; South Africa, 2013; Brazil (Bahia), 2014

MEETINGS AND SYMPOSIA ORGANIZED

Legume Phylogeny Working Group (international workshop), Edinburgh, Scotland, August 2015
Legume Phylogeny Working Group (inaugural meeting, international), Phoenix, AZ, February 2010
Meeting of Arizona Botanists 2006 (with W. Hodgson, L. R. Landrum, A. Salywon), Desert Botanical Garden, Phoenix, February 2006.
Meeting of Arizona Botanists 2005 (with W. Hodgson, L. R. Landrum, A. Salywon), Desert Botanical Garden, Phoenix, February 2005.
Rupert Barneby and His Legume Legacy, colloquium at Botany 2004 meeting of the Botanical Society of America and American Society of Plant Taxonomists (with Aaron Liston), Snowbird, Utah, August 2004.
Meeting of Arizona Botanists 2003 (with W. Hodgson and A. Salywon), Desert Botanical Garden, Phoenix, February 2003.
Bay Area Biosystematists: April 1998, UC Davis; November 1998, UC Berkeley; September 2000, UC Davis

Phylogeny of Life and the Accomplishments of Phylogenetic Biology (with J. G. Lundberg), University of Arizona, Tucson, October 1996; symposium reviewed in *Trends in Ecology and Evolution* 12: 86-88 (1997)

AWARDS, FELLOWSHIPS AND HONORS

Co-author on paper presented by Joseph Charboneau at the 2021 ASPT/BSA Botany meetings for which J. Charboneau was given the George R. Cooley Award by the American Society of Plant Systematists
Co-author of one of the "Ten most cited papers published in the journal *Systematic Biology*, 2005–2007" (see Lavin, Herendeen, and Wojciechowski, 2005)
Species of the plant genus *Astragalus* (Fabaceae), endemic to Iran, named in my honor (*Botanical J. of the Linnean Society* 143: 443, 2003)
Society of Systematic Biologists Council (nominated), 2004
Scientific Member of the Center for Insect Science, University of Arizona, 1995
Sigma Xi, Elected Full Member 1984
National Research Service Award (Postdoctoral), National Cancer Institute, 1981–1984
Outstanding Graduate Biologist of the Year, University of Northern Colorado, 1981
Boettcher Foundation Fellow, University of Northern Colorado, 1979–1980
Phi Kappa Phi, 1976
Board of Regents Academic Scholarships, Northern Michigan University, 1973–1975

REVIEWS OF RESEARCH AND PUBLIC OUTREACH

Elgar, M. A., and R. H. Crozier. 1988. Sex with dead cells may be better than no sex at all. *Trends in Ecology and Evolution* 3: 249-250.

Eckardt, N. A. 2007. Evolution of compound leaf development in legumes: Evidence for overlapping roles of KNOX1 and FLO/LFY Genes". *The Plant Cell* 3315-3316.

Story about genome sequence of saguaro cactus, on ASU Now, October 2017
https://asunow.asu.edu/20171026-asu-researchers-sequence-genome-iconic-saguaro-cactus

EurekaAlert!/American Association for the Advancement of Science, October 2017
https://www.eurekalert.org/pub_releases/2017-10/uoc--sao102317.php

KJZZ-National Public Radio, November 2017
http://science.kjzz.org/content/560273/saguaro-genome-shows-why-many-cactus-species-are-hard-classify

Zahn, L. 2017. Prickly problems of cacti phylogeny. *Science* 358: 1016, DOI: 10.1126/science.358.6366.1016-a

Catalyst (season 1, episode 12), the Arizona PBS prime-time TV series that explores cutting-edge research at Arizona State University featured our work on sequencing the saguaro genome, October 2018; https://video.azpbs.org/video/catalyst-episode-12-sapol8/

Public Lecture, "Legumes: more than just beans", Desert Gardens Seminar Series, Carefree, Arizona, February 2019

Presentation to 4th grade class "What are plants and why do we study them?", at Cheyenne Traditional School, Scottsdale, Arizona, April 2019

Served as DNA design concept consultant for a Phoenix artist (C. Cassano), who was selected to create a sculpture called "Sequence and Conjunction" for the new ASU-Wexford building

(ISTB8) in downtown Phoenix, 2020; http://www.christinecassano.com/project/sequence-conjunction/
Interview, 12 News, KPNX TV (Phoenix), about crested saguaros, March 2021
https://www.12news.com/article/news/local/arizona/what-is-this-fancy-cactus-its-a-rare-crested-saguaro-cristate-cant-be-explained/75-9c3e3cc1-cbe5-469d-9e17-f77dfcf1e2e1

Interview, Salon.com (digital media outlet) regarding unusual pattern of flowering in saguaro, May 2021
https://www.salon.com/2021/05/28/arizonas-iconic-saguaro-cactus-is-flowering-wrong-and-no-one-knows-why/

Interview, Adriana Gonzalez-Chavez for AZBigMedia about dying saguaros, October 2021
https://azbigmedia.com/business/heres-how-arizonas-extreme-weather-is-killing-the-saguaro/

Interview, for Podcast for Valley 101 (AZCentral.com), "Why do saguaros only grow in the Sonoran Desert?", November 2021
https://www.azcentral.com/story/news/local/arizona/2021/11/15/valley-101-podcast-asks-why-saguaros-only-grow-sonoran-desert/8592532002/

Interview, Danny Stipanovich, Cronkite News, for the documentary "Sweltering Saguaros", November 2023; https://www.youtube.com/watch?v=iBPys9icY4M

Sopa, Madeline. 2022. "Defending Desert-dwellers". PLOSable story written for Ask-a-Biologist. https://askabiologist.asu.edu/plosable/saguaro-populations, based on the paper by Orum et al. (2016), Saguaro (*Carnegiea gigantea*) Mortality and Population Regeneration in the Cactus Forest of Saguaro National Park: Seventy-Five Years and Counting, PLOS One https://doi.org/10.1371/journal.pone.0160899. [M. Sopa, undergraduate in MFW lab]

Sopa, Madeline. 2022. "Local Fly Food Secrets". PLOSable story written for Ask-a-Biologist (https://askabiologist.asu.edu/plosable/local-fly-food), based on the paper by Castrezana and Bono (2012), Host Plant Adaptation in *Drosophila mettleri* Populations, PLOS One https://doi.org/10.1371/journal.pone.0034008. [M. Sopa, undergraduate in MFW lab]

CURRENT COLLABORATIONS

Drs. Robert K. Jansen and **Tracey Ruhlman**, University of Texas, Austin, **Domingos Cardoso,** Universidade Federal da Bahia, Salvador, and Jardim Botânico do Rio Janeiro, Brazil, and **In-Su Choi**, Chonnam National University, Korea: plastid, mitochondrial, and nuclear phylogenomics of papilionoid legumes, mitochondrial gene transfers.
Dr. Matthew Lavin, Montana State University, Bozeman, USA: phylogenetics of Robinioid legumes, floristics of western USA.
Dr. Maria Sanin Perez, Arizona State University, Phoenix; phylogenetics of legume genus *Psorothamnus*
Drs. Gwilym Lewis, Royal Botanic Garden, Kew (London), UK, **Domingos Cardoso,** Universidade Federal da Bahia, Salvador, and Jardim Botânico do Rio Janeiro, Brazil: phylogenetics of South American legume genera, and **Dr. M. Marianne le Roux** (coordinator), South African Biodiversity Institute, Pretoria, South Africa, LPWG Taxonomy Working Group
Drs. Michael J. Sanderson (emeritus), **Dario Copetti**, and **Michelle McMahon**, University of Arizona, Tucson, **Kelly P. Steele** (emerita), Arizona State University, and **Lucas Majure**, University of Florida, Gainesville, **Alberto Búrquez**, UNAM, Hermosillo, Mexico: phylogenomics of saguaro and its relatives, and plastid genome evolution in Cactaceae.