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PETER WARREN FRITSCH  
Curriculum Vitae

**Birthplace**

Milwaukee, Wisconsin

**Address**

Botanical Research Institute of Texas  
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Fort Worth, Texas 76107-3400, USA

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profile on: www.brit.org, [www.researchgate.net](http://www.researchgate.net); with blogs and stories on other sites,  
e.g., [www.youtube.com/watch?v=XRgsOOS0IcA](http://www.youtube.com/watch?v=XRgsOOS0IcA)

**Education**

Ph.D. (Botany) Rancho Santa Ana Botanic Garden Program in Botany and Claremont  
Graduate School, Claremont, California, 1995, C. T. Philbrick, advisor

M.S. (Botany) University of Michigan, Ann Arbor, 1988

B.S. (Biology) University of Michigan, Ann Arbor, 1983

**Present Positions**

Vice President for Research, Botanical Research Institute of Texas, 2016–

Director of the Herbarium, Botanical Research Institute of Texas, 2015–

**Appointments**

Member, External Advisory Board, College of Science and Engineering, Texas Christian  
University, 2017–

Adjunct Faculty, Texas Christian University, 2017–

Adjoint Faculty, University of Texas Arlington, 2017–

Natural Science Collections Alliance Board, member, 2016–

Research Associate, California Academy of Sciences, 2015–

Fellow of the California Academy of Sciences, 2001–

Chair, Department of Botany, California Academy of Sciences, 2012–2015

Curator of Botany, California Academy of Sciences, 2007–2015

Research Professor, San Francisco State University, 1998–2015

Board Member, Quarryhill Botanic Garden, 2009–2014

Visiting Professor for Senior International Scientists, Kunming Institute of Botany,

Chinese Academy of Sciences, July–Sept 2011; Sept–Oct 2013; Oct–Dec 2016

Associate Curator of Botany, California Academy of Sciences, 2002–2007

Chair, Department of Botany, California Academy of Sciences, 2000–2002

Assistant Curator of Botany, California Academy of Sciences, 1996–2002

Visiting Professor, Zhongshan University, People's Republic of China, 2001–2004

Mellon Postdoctoral Fellow, Department of Botany, Duke University, 1994–1996

Research Assistant, The Rancho Santa Ana Botanic Garden, 1989–1992  
Teaching Assistant, Cytogenetics, The Rancho Santa Ana Botanic Garden, 1992  
Botanical Surveyor, U.S. Forest Service and Rancho Santa Ana Botanic Garden, 1990  
Herbarium Technician, University of Michigan, 1989  
Field and Research Assistant, School of Natural Resources, University of Michigan, 1988  
Teaching Assistant, Woody Plants, University of Michigan, 1988  
Research Assistant, Department of Paleontology, University of Michigan, 1987–88  
Field Assistant, Department of Botany, University of Michigan, 1987  
Laboratory Assistant, University of Michigan, 1983

### **Educational Service**

Two 1-hour lectures, Phylogenetic Systematics, for Plant Systematics course at Texas Christian University, 12 and 14 April, 2016  
BRIT science high-school teacher training lecture, 10 December 2015  
Docent lecture, 3 hrs., Quarryhill Botanical Garden, 31 March 2012  
Docent tours for 4th and 5th grade Sonoma County schools, Quarryhill Botanical Garden, 2009–2014  
Annual lecturer, Summer Systematics Institute 3-hr course on molecular systematics, 1998–2006  
Dissertation Opponent for Ida Trift, Stockholm University, 2004  
3-hour seminar, Strybing Arboretum, docents training course on biogeography, 2002  
Guest lecturer on the biogeography of plants, San Francisco State University/CAS, 1999  
Science Advisor for a high school course on evolution (“Voyages through Time”), a collaboration between the SETI Institute, California Academy of Sciences, NASA Ames Research Center, and San Francisco State University, 1998–2002.  
3-hour seminar (given twice), CAS, docents training course, land plant evolution, 1998

Advisor for the following students and postdoctoral scholars:

Shannon Lucas (1997), Kara Shockey (1998), Candice Meldrum (1999), Jessica Oppenheimer (2003), Anja Schiller (2004, 2005), Sarah Bury (2006), Adam Bruehl (2007), Alexandra Campbell (2010), Lila Leatherman (2012), and Ian Mounts (2015), all through the Summer Systematics Institute, an NSF-sponsored eight- to 10-week summer program for undergraduates in systematic biology  
Anya Illis and Meg Stalcup, Biological Illustration interns (summer, 1998, 1999)  
Kayla Sweeten, undergraduate Follette Intern (summer 2012)  
Edith Davis (2008), undergraduate summer intern  
Heather-Rose Kates, undergraduate intern (January 2010)  
Ph.D. co-advisor or informal advisor for the following students: Yelin Huang, Zhongshan University, Guangzhou, China; Yuguang Wang, Zhongshan University, Guangzhou, China; Lu Lu, Kunming Institute of Botany, Kunming, China; João Aranha, University of Campinas, Campinas, Brazil; Ji Yunheng, Kunming Institute of Botany, China, Zhang Mingyi, Kunming Institute of Botany  
Ph.D. external committee member, Anna Becker, University of Florida  
M.Sc. advisor for Camille Nowell and Gary Li, San Francisco State University

M.Sc. Committee member, San Francisco State University, for: Jef Mancera, Noel Graham, Diana Gamba, Ricardo Kriebel, Rebecca Wenk, Daniel Grimm, Emily Magnaghi, Jean Claude Rakotonirina, Heritiana Ranarivelo  
Post-doc (shared advisorship with other curators, California Academy of Sciences):  
Dylan Burge, Darin Penneys, R. Douglas Stone

## Grants and Awards

National Science Foundation, DEB 2038217: “Collaborative Research: An investigation of the evolution and taxonomy of the true blueberries (*Vaccinium* section *Cyanococcus*),” December 15, 2020–November 30, 2023, \$785,115 total, \$240,400 to Botanical Research Institute of Texas. Paul Manos, lead PI; Peter Fritsch, collaborative PI.

Integrated Digitized Biocollections: “Texas and Oklahoma Regional Consortium of Herbaria Thematic Collections Network iDigBio Workshop,” to be held at the Botanical Research Institute of Texas, March 21–22, 2020, \$19,557. Peter Fritsch, PI; Jason Best, Tiana Rehman, co-PIs. [canceled because of COVID-19 restrictions]

National Science Foundation, DEB 1902078: “Digitization TCN: Collaborative: American crossroads: digitizing the vascular flora of the South-Central United States,” September 1, 2019–August 31, 2023, \$4,683,948 total, \$1,497,043 to Botanical Research Institute of Texas. Peter Fritsch, lead PI; Mark Fishbein, George Yatskievych, Abby Moore, Bruce Hoagland, and Daniel Spalink, collaborative PIs.

National Science Foundation, DEB 1754697: “Collaborative Research: Plant discovery in the southern Philippines,” August 1, 2018–July 31, 2021, \$1,200,000 total, \$950,000 to Botanical Research Institute of Texas. Peter Fritsch, lead PI; Manuela Dal Forno, Daniel Nickrent, co-PIs; Darin Penneys, collaborative PI.

National Science Foundation, 1745618 DBI-CSBR: “Ownership Transfer: Moving the University of Louisiana-Monroe herbarium to the Botanical Research Institute of Texas,” 2017–2018, \$149,619. PI; Jason H. Best, Tiana F. Rehman, co-PIs.

Visiting Scholar Fellowship, Kunming Institute of Botany, Chinese Academy of Sciences, November–December 2016.

National Geographic Society, “Understanding species diversity in the Himalayan-Hengduan Shan small-leaved wintergreens (*Gaultheria* ser. *Trichophyllae*: Ericaceae),” September–October 2013, \$13,900. PI.

Visiting Scholar Fellowship, Kunming Institute of Botany, Chinese Academy of Sciences, September–October 2013.

National Science Foundation, “Assessing phylogeny and biogeography in a megadiverse tropical plant family (Melastomataceae),” 2012–2015, \$545,200. Co-PI; PI, Darin S. Penneys; other co-PIs: Frank Almeda, Fabian Michelangeli.

Visiting Scholar Fellowship, Kunming Institute of Botany, Chinese Academy of Sciences, July–September 2011.

National Science Foundation, “Collaborative Research: Phylogenetic, Biogeographic, and Monographic Studies in the Wintergreen Group,” 2007–2010, \$255,837. PI; collaborative PI: Kathy Kron, Wake Forest University.

John D. and Catherine T. MacArthur Foundation, “Biodiversity of the Gaoligongshan,” 2005–2008, \$225,000. PI; Nina Jablonski, co-PI.

National Geographic Society, “Biotic Survey of the Gaoligongshan, a Biodiversity Hotspot in China,” 2002–2003, \$35,000. PI; N. Jablonski, D. Kavanaugh, S. L. Dao, co-PIs.

National Science Foundation Systematic Biology, “Historical Biogeography of *Symplocos*, an Amphi-Pacific Tropical Disjunct Clade,” 2002–2006, \$147,209; PI; co-PI, Frank Almeda.

National Science Foundation Biotic Surveys and Inventories, “Biotic Survey of the Gaoligongshan, a Biodiversity Hotspot in Western Yunnan, China,” 2002–2008, \$2,403,296; PI; Nina Jablonski, co-PI.

CAS research grants, 1997–2001, total of \$6000

Duke/Mellon Postdoctoral Fellowship, 1994–1996

Duke Research Awards, 1994, 1995, \$2700

National Science Foundation Dissertation Improvement Grant (C.T. Philbrick, PI), 1993, \$9500

Mellon Foundation Graduate Fellowship, 1993

Mellon Foundation Travel/Research Award, 1992–1993, \$5000

Mellon Foundation Summer Fellowship, 1992–1993

Hardman Foundation Grant, 1992, \$500

American Society of Plant Taxonomists/NSF AIBS Travel Award, 1992, \$500

Claremont Graduate School, Graduate Student Council Research Grant, 1991, \$230; 1992, \$500; 1993, \$497

American Society of Plant Taxonomists Research Grant, 1991, \$250

Rancho Santa Ana Botanic Garden Research Fellowship, 1989–1992

Claremont Graduate School Tuition Scholarship, 1989–1994

Hanes Fund Grant, 1988–1989, \$1280

University of Michigan Tuition Scholarship, 1987–1988

University of Michigan Biological Station Summer Scholarship, 1982

## Publications

### *Submitted:*

- Bartholomew, B., K.E. Armstrong, R. Li, and **P.W. Fritsch**. Submitted. *Perrottetia taronensis* (Dipentodontaceae), a new species from northwestern Yunnan Province, China and northern Kachin State, Myanmar and a re-examination of the Asian and Australasian taxa of *Perrottetia*. *PhytoKeys*.
- Fritsch, P.W.** Submitted. Taxonomic notes on some *Styrax* species from Brazil. *Journal of the Botanical Research Institute of Texas*.
- Fritsch, P.W.**, K.E. Armstrong, M.M. Aung, and L. Lu. Submitted. *Gaultheria brevistipes* (Ericaceae) new for Myanmar and an updated list of *Gaultheria* species for the country. *Phytotaxa*.
- Liu, W.-Z., J.-G. Xie, H. Zhou, H.-G. Kong, G. Hao, **P.W. Fritsch**, and W. Gong. Submitted. Population dynamics linked to glacial cycles in *Cercis chuniana* F.P. Metcalf (Fabaceae) from the montane regions of southern China. *New Phytologist*.

Tong, Y.H., **P.W. Fritsch**, N.T.T. Huong, L.V. Averyanov, A.N. Kuznetsov, S.P. Kuznetsova, and M.S. Nuraliev. Submitted. Novelty in Vietnamese *Craibiodendron*, *Lyonia* and *Vaccinium* (Ericaceae). *Phytotaxa*.

*In press:*

Manchester, S.R., T.A. Lott, F. Herrera, and **P.W. Fritsch**. In press. *Symplocos* fruits from the Pliocene of Colombia. *Systematic Botany*.

Nowell, C.M. and **P.W. Fritsch**. In press. *Cercis*. In M. Bierner et al. (eds.), *Legumes of Arizona*. Desert Legume Program, University of Arizona.

*Published:*

143. Tamayo, M.N., R.A.A. Bustamante, and **P.W. Fritsch**. 2021. *Vaccinium exiguum* (Ericaceae, Vaccinieae), a new species from the ultramafic summit of Mt. Victoria, Palawan Island, Philippines. *PhytoKeys* 179: 145–154.
142. Yan, M.-H., C.-Y. Li, **P.W. Fritsch**, J. Cai, and H.C. Wang. 2021. Phylogeny of the Styracaceae revisited based on whole plastome sequences, including novel plastome data from *Parastyrax*. *Systematic Botany* 46: 162–174.
141. Qin, L., H. Sun, D.E. Boufford, B. Bartholomew, **P.W. Fritsch**, J.-H. Chen, T. Deng, and R.H. Ree 2021 (early view). Grade of Membership models reveal geographical and environmental correlates of floristic structure in a temperate biodiversity hotspot. *New Phytologist* doi:10.1111/nph.17443.
140. **Fritsch, P.W.**, W.B. Simison, B.C. Cruz, E.L. Schneider, and D.D. Allshouse. 2021. A likely intersectional hybrid in *Vaccinium* (Ericaceae) on San Bruno Mountain, San Mateo County, California. *Madroño* 67:190–210.
139. Stephan, J., **P.W. Fritsch**, N.N. Mohanan, and D.K. Liriina. 2021. Elevation of *Symplocos macrophylla* subsp. *namboodiriana* (Symplocaceae) to the species rank. *Phytotaxa* 502: 101–106.
138. Stephan, J., **P.W. Fritsch**, and R. Akhil. 2021. *Symplocos mohananii* sp. nov. (Symplocaceae) from the Western Ghats, Kerala, India. *Phytotaxa* 480: 195–200.
137. Amoroso, V.B., F.P. Coritico, Y.L.L. Cariño, and **P.W. Fritsch**. 2020. Lycophytes and ferns of Mt. Hamiguitan Range Wildlife Sanctuary. Central Mindanao University, Musuan, Philippines.
136. Galindon, J.M.M., D.S. Penneys, N.E. Lagunday, D.N. Tandang, F.P. Coritico, V.B. Amoroso, and **P.W. Fritsch**. 2021. *Hypericum perryongii* (Hypericaceae), a new species from Philippines. *Phytotaxa* 478: 61–66.
135. Quang, B.-H., T.T. Bach, S. Eum, D.V. Hai, N.S. Khang, L.N. Han, T.D. Binh, N.T. Thuy, V.A. Thuong, N.K. Trung, Y.-P. Chen, **P.W. Fritsch**, C.-M. Hu, L.T. Ngan, J.A.N. Parnell, A.N. Sennikov, J.R.I. Wood, Y. Yang, A.N. Kuznetsov, S.P. Kuznetsova, and M.S. Nuraliev. 2020. Towards a floristic inventory of Bat Xat Nature Reserve, Vietnam: thirteen new national records of vascular plants. *Wulfenia* 27: 233–250.
134. Kron, K.A., **P.W. Fritsch**, L. Lu, and W.S. Judd. 2020. New combinations and new and resurrected names in *Gaultheria* (Ericaceae). *Gardens' Bulletin Singapore* 72: 299–317.

133. **Fritsch, P.W.**, P. Thomas, and V. Ly. 2020. A new species of *Styrax* ser. *Cyrta* (Styracaceae) from Cambodia. *Journal of the Botanical Research Institute of Texas* 14: 343–347.
132. **Fritsch, P.W.** and L. Lu. 2020. A taxonomic revision of *Gaultheria* series *Trichophyllae*. *Journal of the Botanical Research Institute of Texas* 14: 289–341.
131. **Fritsch, P.W.**, V.B. Amoroso, F.P. Coritico, and D.S. Penneys. 2020. *Vaccinium hamiguitanense* (Ericaceae), a new species from the Philippines. *Journal of the Botanical Research Institute of Texas* 14: 281–287.
130. Borsch, T., W. Berendsohn, E. Dalcin, M. Delmas, S. Demissew, A. Elliott, **P. Fritsch**, A. Fuchs, D. Geltman, A. Güner, T. Haevermans, S. Knapp, M.M. le Roux, P.-A. Loizeau, C. Miller, J. Miller, J.T. Miller, R. Palese, A. Paton, J. Parnell, C. Pendry, H.-N. Qin, V. Sosa, M. Sosef, E. von Raab-Straube, F. Ranwashe, L. Raz, R. Salimov, E. Smets, B. Thiers, W. Thomas, M. Tulig, W. Ulate, V. Ung, M. Watson, P. Wyse Jackson, and N. Zamora. 2020. World Flora Online: placing taxonomists at the heart of a definitive and comprehensive global resource on the world's plants. *Taxon* 69: 1311–1341.
129. **Fritsch, P.W.**, L. Lu, C.M. Bush, S.J. Wagstaff, and K.A. Kron. 2020. Phylogenetic analysis supports the allochthonous origin of gynodioecy in New Zealand *Gaultheria* Kalm ex L. *New Zealand Journal of Botany*, doi: 10.1080/0028825X.2020.184040
128. Zhao, W.-Y., **P.W. Fritsch**, Z.-C. Liu, Q. Fan, J.-H. Jin, and W.-B. Liao. 2020. New combinations and synonyms in *Rehderodendron* (Styracaceae). *Phytokeys* 161: 79–88.
127. Coritico, F.P., V.B. Amoroso, F.M. Acma, Y.L.L. Cariño, and **P.W. Fritsch**. 2020. Ferns and Lycophytes of Mt. Tago Range, Bukidnon, southern Philippines: species richness, distribution, and conservation status. *Philippine Journal of Science* 149: 773–790.
126. Penneys, D.S., F. Almeda, F.A. Michelangeli, R. Goldenberg, A.B. Martins, and **P.W. Fritsch**. 2020. Lithobieae and Eriocnemeae: two new neotropical tribes of Melastomataceae. *Phytotaxa* 453: 157–178.
125. Zhao, W.-Y., **P.W. Fritsch**, Q. Fan, and W.B. Liao. 2020. Taxonomic reassessment of *Rehderodendron gongshanense* (Styracaceae) base on herbarium specimens and field observations. *Phytotaxa* 450(1): 1–7.
124. Amoroso, V.B., F.P. Coritico, and **P.W. Fritsch**. 2020. *Actinostachys minuta*, a new species of grass fern from Mindanao, Philippines. *PhytoKeys* 151: 59–66.
123. Nuraliev, M.S., **P.W. Fritsch**, A.S. Beer, Y.-H. Tong, L.V. Averyanov, A.N. Kuznetsov, and S.P. Kuznetsova. 2020. A revision of *Vaccinium bullatum* (Ericaceae): floral morphology, distribution and typification. *Phytotaxa* 433(1): 055–066.
122. Tandang, D.N., J.M.M. Galindon, E.R. Tadiosa, F.P. Coritico, V.B. Amoroso, N.E. Lagunday, R.A.A. Bustamante, D.S. Penneys, and **P.W. Fritsch**. 2020. *Dilochia deleoniae* (Orchidaceae), a new species from Mindanao, Philippines. *PhytoKeys* 139: 91–97.
121. Jin, J.J., M.-Q. Yang, **P.W. Fritsch**, R. van Velzen, D.-Z. Li, and T.-S. Yi. 2020. Born migrators: historical biogeography of the cosmopolitan family Cannabaceae. *Journal of Systematics and Evolution* 58: 461–473.
120. Li, G. and **P.W. Fritsch**. 2019. Notes on several Asian species of *Styrax* series *Cyrta* (Styracaceae). *Journal of the Botanical Research Institute of Texas* 13: 249–251.
119. Zhao, W.-Y., **P.W. Fritsch**, V.T. Do, Q. Fan, Q.-Y. Yin, D.S. Penneys, U. Swensen, and W.-B. Liao. 2019. *Rehderodendron truongsongense* (Styracaceae), a new species from Vietnam. *Journal of the Botanical Research Institute of Texas* 13: 157–171.

118. Lu, L., **P.W. Fritsch**, C.M. Bush, H. Wang, K.A. Kron, and D.-Z. Li. 2019. Allopolyploidy in the Wintergreen Group of tribe Gaultherieae (Ericaceae) inferred from low-copy nuclear genes. *Nordic Journal of Botany* 37(6): e02077.
117. Li, H.-T., T.-S. Yi, L.-M. Gao, P.-F. Ma, T. Zhang, J.-B. Yang, M.A. Gitzendanner, **P.W. Fritsch**, J. Cai, Y. Luo, H. Wang, M. van der Bank, S.-D. Zhang, Q.-F. Wang, J. Wang, Z.-R. Zhang, C.-N. Fu, J. Yang, P.H. Hollingsworth, M.W. Chase, D.E. Soltis, P.S. Soltis, and D.-Z. Li. 2019. Origin of angiosperms and the puzzle of the Jurassic gap. *Nature Plants* 5: 461–470.
116. Lu, L., **P.W. Fritsch**, N.J. Matzke, H. Wang, K.A. Kron, D.-Z. Li, and J.J. Wiens. 2019. Why is fruit color so variable? Phylogenetic analyses reveal relationships between fruit-colour evolution, biogeography and diversification. *Global Ecology and Biogeography* 28: 891–903.
115. Tiffney, B.H., S.R. Manchester, and **P.W. Fritsch**. 2018. Two new species of *Symplocos* based on endocarps from the early Miocene Brandon Lignite of Vermont, USA. *Acta Palaeobotanica* 58: 185–198.
114. Scatigna, A. V., **P.W. Fritsch**, V.C. Souza, and A.O. Simões. 2018. Phylogenetic relationships and morphological evolution in the carnivorous genus *Philcoxia* (Plantaginaceae, Gratioleae). *Systematic Botany* 43: 910–919.
113. Li, G. and **P.W. Fritsch**. 2018. A taxonomic revision of taxa in *Styrax* series *Cyrta* (Styracaceae) with valvate corollas. *Journal of the Botanical Research Institute of Texas* 12: 579–641.
112. **Fritsch, P.W.**, C. Whitefoord, and D.L. Kelly. 2018. *Styrax paulhousei* (Styracaceae), a new species from Honduras. *Journal of the Botanical Research Institute of Texas* 12: 499–505.
111. **Fritsch, P.W.**, C. Nowell, L.S.T. Leatherman, G. Wei, B.C. Cruz, D.O. Burge, and A. Delgado Salinas. 2018. Leaf adaptations and species boundaries in North American *Cercis*: Implications for the evolution of dry floras. *American Journal of Botany* 105:1577–1594.
110. Liu, W.-Z., Kong, H.-G., J. Zhou, **P.W. Fritsch**, G. Hao, and W. Gong. 2018. Complete chloroplast genome of *Cercis chuniana* (Fabaceae) with structural and genetic comparison to six species in Caesalpinioideae. *International Journal of Molecular Sciences* 19: 1286.
109. Yan, M.-H., **P.W. Fritsch**, M.J. Moore, T. Feng, A.-P. Meng, J. Yang, T. Deng, C.-X. Zhao, X.-H. Yao, S. Hang, and H.-C. Wang. 2018. Plastome phylogenomics resolves infrafamilial relationships of the Styracaceae and sheds light on the backbone relationships of the Ericales. *Molecular Phylogenetics and Evolution* 121: 198–211.
108. **Fritsch, P.W.**, L. Lu, M.-Y. Zhang, H. Wang, and D.-Z. Li. 2017. Morphology corroborates DNA sequence data in the species-level recognition of *Gaultheria trichophylla* variety *tetracme* (Ericaceae). *Journal of the Botanical Research Institute of Texas* 11: 343–349.
107. Stephan, J., **P.W. Fritsch**, and N.N. Mohanan. 2017. *Symplocos parvibracteata* sp. nov. (Symplocaceae) from the Western Ghats, Kerala, India. *Nordic Journal of Botany* 35: 426–431.
106. **Fritsch, P.W.** 2017. A new species of *Styrax* (Styracaceae) from Peru. *Novon* 25: 282–285.
105. **Fritsch, P.W.** and V.B. Amoroso. 2017. *Diplycosia kitangladensis* sp. nov. from Mindanao, The Philippines. *Natural History Bulletin of the Siam Society* (special commemorative issue) 62: 21–27.

104. Zhang, M.-Y., **P.W. Fritsch**, P.-F. Ma, H. Wang, L. Lu, and D.-Z. Li. 2017. Plastid phylogenomics and adaptive evolution of *Gaultheria* series *Trichophyllae* (Ericaceae), a clade from sky islands of the Himalaya-Hengduan Mountains. *Molecular Phylogenetics and Evolution* 110: 7–18.
103. **Fritsch, P.W.** and C.M. Bush. 2016. *Diplycosia rigidifolia* sp. nov. (Ericaceae) from Borneo, Sabah, Malaysia. *Nordic Journal of Botany* 34: 699–702.
102. Amoroso, V.B., F.P. Coritico, and **P.W. Fritsch**. 2016. Species richness and conservation status of ferns and lycophytes in Mt. Hamiguitan Range Wildlife Sanctuary, Davao Oriental, Philippines. *Philippine Journal of Science* 145: 127–137.
101. Zhang, M.L., X.-G. Xiang, J.-J. Xue, S.C. Sanderson, and **P.W. Fritsch**. 2016. Himalayan uplift shaped biomes in Miocene temperate Asia: evidence from leguminous *Caragana*. *Scientific Reports* 6:36528. DOI: 10.1038/srep36528
100. **Fritsch, P.W.**, L. Lu, B. Xu, H. Wang, and D.-Z. Li. 2016. *Gaultheria marronina* sp. nov. (Ericaceae) from Sichuan, China. *Nordic Journal of Botany* 34: 545–549.
99. **Fritsch, P.W.** and V.B. Amoroso. 2016. *Diplycosia platyphylla* (Ericaceae), a new species from Mindanao, Philippines. *PhytoKeys* 69: 31–38.
98. **Fritsch, P.W.**, X.-H. Yao, W.B. Simison, B.C. Cruz, and T. Chen. 2016. *Perkinsiodendron*, a new genus in the Styracaceae based on morphology and DNA sequences. *Journal of the Botanical Research Institute of Texas* 10: 109–117.
97. Teillier, S., R. Rodríguez, and **P.W. Fritsch**. 2016. Novedades nomenclaturales para *Gaultheria* (Ericaceae) en Chile. *Gayana Botánica* 73: 64–67.
96. Kelly, L.M., F. Almeda, and **P.W. Fritsch**. 2016. A taxonomic revision of Mexican and Central American *Symplocos* (Symplocaceae). *Phytotaxa* 264(1): 1–115.
95. Yang, A.-H., N. Wei, **P.W. Fritsch**, and X.H. Yao. 2016. AFLP genome scanning reveals divergent selection in natural populations of *Liriodendron chinense* (Magnoliaceae) along a latitudinal transect. *Frontiers in Plant Science* 7: 698.
94. **Fritsch, P.W.** 2016. Styracaceae. In R. Bernal et al. (eds.), *Catálogo de plantas y líquenes de Colombia*, Vol. 2, pp. 2431–2433. Universidad Nacional de Colombia, Bogotá.
93. **Fritsch, P.W.**, B.C. Cruz, W.B. Simison, A.J. Campbell, and J.K. Harris. 2015. Early phylogenetic divergence of gynodioecious species warrants the recognition of subseries in *Styrax* series *Valvatae*. *Systematic Botany* 40: 1081–1092.
92. Zhang, J.J., Z.Z. Li, **P.W. Fritsch**, H. Tian, A.H. Yang, and X.H. Yao. 2015. Phylogeography and genetic structure of a Tertiary relict tree species, *Tapiscia sinensis* (Tapisciaceae): implications for conservation. *Annals of Botany* 116: 727–737.
91. **Fritsch, P.W.**, L. Lu, and H. Wang. 2015. *Gaultheria gonggashanensis* sp. nov. (Ericaceae) from Sichuan, China. *Nordic Journal of Botany* 33: 582–585.
90. **Fritsch, P.W.** 2015. *Styrax peltatus* (Styracaceae), a new species from Oaxaca, Mexico. *Journal of the Botanical Research Institute of Texas* 9: 43–47.
89. Wang, Y.-H., L. Lu, **P.W. Fritsch**, H. Wang, Y.-H. Wang, and D.-Z. Li. 2015. Leaf epidermal character variation and evolution in the Gaultherieae (Ericaceae). *Botanical Journal of the Linnean Society* 178: 686–710.
88. **Fritsch, P.W.** 2015. Two new species of *Styrax* (Styracaceae) from South America. *Novon* 24: 9–13.
87. **Fritsch, P.W.**, S.R. Manchester, R.D. Stone, B.C. Cruz, and F. Almeda. 2015. Northern Hemisphere origins of the amphi-Pacific tropical plant family Symplocaceae. *Journal of Biogeography* 42: 891–901.



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### **Presentations and Posters at Professional Meetings**

- Fritsch, P.W.**, P.S. Manos, and A.A. Crowl. 2020. Taxonomy and conservation of the native true blueberries (*Vaccinium* sect. *Cyanococcus*) in Texas. Online oral presentation at the Texas Plant Conservation Conference, 13–14 July.
- Crowl, A., G. Tiley, **P.W. Fritsch**, and P.S. Manos. 2020. A phylogenomic investigation into polyploidy and cryptic diversity in the true blueberries. Video presentation at online Botany 2020 conference, 27–31 July.
- Becker, A., **P.W. Fritsch**, and N. Cellinese. 2020. Evolution of Hawaiian blueberries (*Vaccinium*). Poster presentation at online Botany 2020 conference, 27–31 July.
- Fritsch, P.W.**, D.S. Penneys, D.L. Nickrent, M. Dal Forno, V.B. Amoroso, F.P. Coritico, J.R. Shevock, J.C. Brinda, A. Gerlach, J.P. Mancera, J.M. Galindon, D.N. Tandang, and V. Handley. 2020. Plant and lichen discovery in the southern Philippines: results from initial expeditions. Video presentation at online Botany 2020 conference, 27–31 July.
- Fishbein, M., **P.W. Fritsch**, B.W. Hoagland, A.J. Moore, D. Spalink, and G.Y. Yatskievych. 2019. American crossroads: digitizing the vascular flora of the South-Central United States. Oral presentation at the Annual Technical Meeting of the Oklahoma Academy of Science, University of Central Oklahoma, Edmond, OK, 8 November 2019.
- Fritsch, P.W.** 2019. American crossroads: digitizing the vascular flora of the South-Central United States. Oral Presentation at iDigBio Summit, University of Florida, Gainesville, FL, 1–3 October.
- Fritsch, P.W.**, et al. 2019. Initiation of a large-scale survey of land plants and lichens in the southern Philippines. Oral presentation at Flora Malesiana symposium 11, Bandar Seri Begawan, Brunei, 30 June–5 July.
- Coritico, F., V.A. Amoroso, and **P.W. Fritsch**. 2019. Vascular plant diversity in Mt. Limbawon, Philippines. Oral presentation at Flora Malesiana symposium 11, Bandar Seri Begawan, Brunei, 30 June–5 July.
- Mancera, J., D.S. Penneys, F. Almeda, and **P.W. Fritsch**. 2019. Morphological phylogeny of the Astronieae and taxonomic implications for *Beccarianthus*. Oral presentation at Flora Malesiana symposium 11, Bandar Seri Begawan, Brunei, 30 June–5 July.
- Crowl, A., E. Young, N. Lynch, T. Ranney, H. Ashrafi, **P.W. Fritsch**, and P. Manos. 2019. Evolution of the true blueberries: a phylogenomic, cytogenetic, and morphological investigation into the reticulate polyploid clade, *Vaccinium* section *Cyanococcus*. Oral presentation at Botany 2019 conference, Tucson, AZ, 23–27 July.

- Rehman, T.F., J.H. Best, **P.W. Fritsch**, A.B. Young, M. Madrid, A. Bordelon. 2018. Rescue of a large orphaned herbarium collection: Addressing the security, accessibility, and repatriation of the NLU Herbarium. Oral presentation at the Texas Plant Conservation Conference, Fort Worth, Texas, 18–20 September.
- Fritsch, P.W.** 2018. Research avenues in the conservation of *Styrax platanifolius*, including the endangered Texas snowbell. Oral presentation at the Texas Plant Conservation Conference, Fort Worth, Texas, 18–20 September.
- Rehman, T.F., J.H. Best, **P.W. Fritsch**, A.B. Young, M. Madrid, A. Bordelon. 2018. Rescue of a large orphaned herbarium collection: Addressing the security, accessibility, and repatriation of the NLU Herbarium. Oral presentation at the Society for the Preservation of Natural History Collections, Dunedin, New Zealand, September 2018. *Biodiversity Information Science and Standards*. doi: 10.3897/biss.2.26312.
- Fritsch, P.W.**, W. Brian Simison, B.C. Cruz, E.L. Schneider, and D.D. Allshouse. 2018. A remarkable population of *Vaccinium* (Ericaceae) from San Bruno Mountain, California: hybrid or new species? Oral presentation at the Botany 2018 conference in Rochester, Minnesota, 23–26 July.
- Fritsch, P.W.**, L. Lu, K.A. Kron, C.M. Bush, D.-Z. Li, and H. Wang. 2017. Classification, biogeography, and new species discovery in the Gaultherieae (Ericaceae). Oral presentation at the International Botanical Congress 2017 conference in Shenzhen, China, July 22–29.
- Lu, L., **P.W. Fritsch**, M.-Y. Zhang, H. Wang, and D.-Z. Li. 2017. Biodiversity of the wintergreens (*Gaultheria*) from the Himalaya-Hengduan Mountains. Oral presentation at the International Botanical Congress 2017 conference in Shenzhen, China, July 22–29.
- Li, D.-Z., H.-T. Li, T.-S. Yi, T. Zhang, L.-M. Gao, J.-B. Yang, P.-F. Ma, M.A. Gitzendanner, J. Cai, Y. Luo, H. Wang, S.-D. Zhang, D.E. Soltis, P.S. Soltis, P.H. Hollingsworth, **P.W. Fritsch**, M. van der Bank, and M.W. Chase. 2017. The quest for the origin and evolution of flowering plants using time-calibrated plastid phylogenomics. Keynote oral presentation at the International Botanical Congress 2017 conference in Shenzhen, China, July 22–29.
- Li, Gary, and **P.W. Fritsch**. 2017. A revision of the valvate group of *Styrax* series *Cyrta* (Styracaceae). Oral presentation at the Botany 2017 conference in Fort Worth, Texas, June 25–28.
- Fritsch, P.W.**, V.B. Amoroso, F.P. Coritico, and D.S. Penneys. 2017. Field exploration and new species of Ericaceae in Mindanao, Philippines. Oral presentation at the Botany 2017 conference in Fort Worth, Texas, June 25–28.
- Fritsch, P.W.**, and C.M. Nowell. 2017. Cryptic species in western North American redbuds (*Cercis*). Oral presentation at the 64th Annual Meeting of the Southwestern Association of Naturalists, April 16–19, 2017.
- Fritsch, P.W.**, L. Lu, J. Peng, C.M. Bush, H. Wang, M.-Y. Zhang, K.A. Kron, and D.-Z. Li. 2016. Fruit evolution, lineage diversification, and biogeographical patterns in the circum-Pacific tribe Gaultherieae (Ericaceae). Oral presentation at the Botany 2016 national meeting, Savannah, Georgia, August 1–4.
- Best, J.H., Rehman, T.F., and **P.W. Fritsch**. 2016. BRISC: BRIT Rapid Inventory of Specimen Collections. Poster presentation at the Botany 2016 national meeting, Savannah, Georgia, August 1–4.
- Rehman, T.F., J.H. Best, and **P.W. Fritsch**. 2016. A deeper understanding of collection scope through a rapid collection inventory. Oral presentation at the Botany 2016 national meeting, Savannah, Georgia, August 1–4.

- Amoroso, V.B., T. Gronemeyer, F. Coritoco, F. Acma, and **P.W. Fritsch**. 2016. Mt. Hamiguitan: A UNESCO World Heritage Site and sanctuary for Philippines *Nepenthes* and pteridophytes. Oral presentation at the Flora Malesiana Conference, Edinburgh, Scotland, July 11–15.
- Fritsch, P.W.**, V.B. Amoroso, D.S. Penneys, B.C. Tan, J.R. Shevock, and F.P. Coritico. 2016. Plant exploration and discovery in Mindanao, Philippines. Oral presentation at the Flora Malesiana Conference, Edinburgh, Scotland, July 11–15.
- Penneys, D.S., F. Almeda, F. Michelangeli, and **P.W. Fritsch**. 2015. Progress towards a revised classification of the Melastomataceae. Oral presentation at the Botany 2015 international meeting, Edmonton, Canada, July 26–30.
- Fritsch, P.W.**, C. Nowell, L.S.T. Leatherman, and B.C. Cruz. 2015. Cryptic species and leaf adaptations in North American *Cercis*. Oral presentation at the Botany 2015 international meeting, Edmonton, Canada, July 26–30.
- Nowell, C. and **P.W. Fritsch**. 2015. Cryptic species in North American *Cercis*? California Native Plant Society meeting, San Jose, California, January 17–18.
- Fritsch, P.W.**, L. Lu, and H. Wang. 2014. The species of *Gaultheria* series *Trichophyllae* from the Gaoligong and Biluo snow mountains of southwestern China. Oral presentation at the Botany 2014 national meeting, Boise, Idaho, July 27–31.
- Penneys, D.S., F. Almeda, F. Michelangeli, and **P.W. Fritsch**. 2013. A survey of remarkable evolutionary trends in the Melastomataceae. Oral presentation at the Botany 2013 national meeting, New Orleans, Louisiana, July 27–31.
- Leatherman, L.S.T., C. Nowell, A.M. Schiller, B.C. Cruz, and **P.W. Fritsch**. 2013. Taxonomic and adaptive significance of morphological variation in North American *Cercis*. Poster presentation at the Society for Integrative and Comparative Biology conference, San Francisco, California, January 3–7.
- Fritsch, P.W.**, C. Pereira, D. Almenara, C. Winter, H. Lambers, F. Almeda, and R. Oliveira. 2012. Underground leaves of *Philcoxia* (Plantaginaceae) trap and digest nematodes. Oral presentation at the Botany 2012 national meeting, Columbus, Ohio, July 7–12.
- Kron, K.A., W.S. Judd, C.M. Bush, **P.W. Fritsch**, L. Lu, and D.-Z. Li. 2012. A new classification of the wintergreen group (Gaultherieae) based on phylogenetic relationships and morphology. Oral presentation at the Botany 2012 national meeting, Columbus, Ohio, July 7–12.
- Fritsch, P.W.**, L. Lu, B.C. Cruz, H. Wang, and D.-Z. Li. 2012. A four-fold increase in the species diversity estimates of the Himalaya-Hengduan Mountains endemic *Gaultheria* ser. *Trichophyllae* (Ericaceae). Oral presentation at the Botany 2012 national meeting, Columbus, Ohio, July 7–12.
- Kron, K.A., C.M. Bush, S.J. Wagstaff, and **P.W. Fritsch**. 2011. The phylogeny, biogeography and morphological evolution of *Gaultheria* (Ericaceae) from Australia and New Zealand. Poster presentation at the International Botanical Congress 2011, Melbourne, Australia, July 23–30.
- Oliveira, R.S., C.G. Pereira, and **P.W. Fritsch**. 2011. Evidence of plant carnivory in *Philcoxia* (Plantaginaceae): underground leaves for nutrient acquisition from nematodes. Poster presentation at the International Botanical Congress 2011, Melbourne, Australia, July 23–30.



- Bush, C.M., **P.W. Fritsch**, and K.A. Kron. 2011. A taxonomic revision of the genus *Gaultheria* (Ericaceae) in Australia and New Zealand. Oral presentation at the Botany 2011 national meeting, St. Louis, Missouri, July 9–13.
- Bush, C.M., **P.W. Fritsch**, B.C. Cruz, A. Sanchez, and K.A. Kron. 2010. The phylogeny, morphology, and biogeography of the Brazilian *Gaultheria* species. Oral presentation at the Botany 2010 national meeting, Providence, Rhode Island, August 1–5.
- Fritsch, P.W.**, L. Lu, B.C. Cruz, H. Wang, and D.-Z. Li. 2010. Reticulate evolution, cryptic species, and character convergence in the core East Asian clade of *Gaultheria* (Ericaceae). Oral presentation at the Botany 2010 national meeting, Providence, Rhode Island, August 1–5.
- Bush, C.M., Wagstaff, S.J., **P.W. Fritsch**, and K.A. Kron. 2009. The phylogeny, biogeography, and morphological evolution of *Gaultheria* (Ericaceae) from Australia and New Zealand. Oral presentation at the Botany 2009 national meeting, Snowbird, Utah, July 26–30.
- Bush, C.M., **P.W. Fritsch**, B.C. Cruz, L. Lu, A. Sanchez, and K. A. Kron. 2009. The phylogeny and morphology of the Brazilian *Gaultheria* species. Poster presented at the Botany 2009 national meeting, Snowbird, Utah, July 26–30.
- Fritsch, P.W.**, A.M. Schiller, B.C. Cruz, and E.L. Davis. 2009. Taxonomic implications of morphological character variation in *Cercis canadensis* (Fabaceae) from Mexico and adjacent parts of Texas. Oral presentation at the Botany 2009 national meeting, Snowbird, Utah, July 26–30.
- Ranarivelo, H., F. Almeda, and **P.W. Fritsch**. 2009. Phylogenetic analysis of the Malagasy endemic genus *Rousseauxia* (Melastomataceae) based on morphological characters—preliminary results. Poster presented at the Botany 2009 national meeting, Snowbird, Utah, July 26–30.
- Garrison, L.M., **P.W. Fritsch**, J.A. Miller, and B.A. Bartholomew. 2009. Biodiversity of the Gaoligongshan, Yunnan, China. Poster presented at the Botany 2009 national meeting, Snowbird, Utah, July 26–30.
- Strijk, J.S., R.E. Bone, **P.W. Fritsch**, T.R. Hodkinson, C. Thébaud, S. Waldren, and D. Strasberg. 2009. Evolution of the genus *Badula* (Myrsinaceae): endemic rare trees of the Mascarene Islands. Poster at symposium: Evolutionary Islands 150 Years after Darwin, February 2009, Leiden, Netherlands.
- Fritsch, P.W.**, L.H. Zhou, L. Lu, and B. Bartholomew. 2008. A taxonomic revision of *Gaultheria* (Ericaceae) in the Gaoligong Shan, a biodiversity hotspot at the border of China and Burma. Oral presentation at the annual Botanical Society of America meeting. Vancouver, Canada, July 28–30, 2008.
- Kriebel, R., **P.W. Fritsch**, and F. Almeda. 2007. The discovery of styelar oil in *Symplocos* and its role in secondary pollen presentation. Poster at ASPT annual meeting, July 8–11, Chicago, Illinois.
- Fritsch, P.W.**, S.R. Manchester, and F. Almeda. 2007. Biogeographic patterns in the amphipacific tropical disjunct *Symplocos* (Symplocaceae) support the boreotropics hypothesis. ASPT annual meeting, July 8–11, Chicago, Illinois.
- Aranha Filho, J.L.M., **P.W. Fritsch**, F. Almeda, and A.B. Martins. 2007. As espécies Brasileiras da seção *Barberina* (*Symplocos*, Symplocaceae) são androdioicas? Uma análise baseada no estudo de pólen. Poster at Brazilian Botanical Congress annual meeting.

- Aranha Filho, J.L.M., **P.W. Fritsch**, F. Almeda, and A.B. Martins. 2006. Uma nova espécie de *Symplocos* Jacq. (Symplocaceae) da Serra do Cipó, Minas Gerais. Poster at Brazilian Botanical Congress annual meeting.
- Aranha Filho, J.L.M., **P.W. Fritsch**, F. Almeda, and A.B. Martins. 2006. Revisão taxonômica da seção *Neosymplocos* Brand (Symplocos Jacq., Symplocaceae). Poster at Brazilian Botanical Congress annual meeting.
- Zhou, L.H., **P.W. Fritsch**, and B.A. Bartholomew. 2006. The Symplocaceae of Gaoligong Shan. Poster at Kunming Institute of Botany Summer Symposium for C. Y. Wu 90th birthday celebration.
- Bush, C., L. Lu, **P.W. Fritsch**, and K.A. Kron. 2006. The phylogeny, morphology, and biogeography of the wintergreen group (Gaultherieae; Vaccinioideae; Ericaceae; Ericales). ASPT annual meeting, Chico, CA.
- Fritsch, P.W.**, F. Almeda, and S.R. Manchester. 2006. Phylogeny and classification of Symplocaceae: stasis, ranks, and the fossil record. ASPT annual meeting, Chico, CA.
- Fritsch, P.W.** 2005. Madrean-Tethyan links and amphi-Pacific tropical disjunctions. NESCent workshop, Duke University, NC.
- Aranha Filho, J.L.M., **P.W. Fritsch**, F. Almeda, and A.B. Martins. 2005. Duas novas espécies de *Symplocos* Jacq. (Symplocaceae) de Minas Gerais, Brasil. Brazilian Botanical Congress, Curitiba, Brazil.
- Fritsch, P.W.** 2005. Phylogeny and biogeography of Styracaceae, Symplocaceae, and Diapensiaceae. International Botanical Congress, Vienna, Austria.
- Fritsch, P.W.**, Y.G. Wang, S.H. Shi, F. Almeda, and B.C. Cruz. 2003. Phylogeny and infrageneric classification of *Symplocos* (Symplocaceae) inferred from DNA sequence data. ASPT annual meeting, Mobile, Alabama.
- Fritsch, P.W.**, F. Almeda, S.S. Renner, A.B. Martins, and B.C. Cruz. 2002. Phylogenetic analysis of the Microlicieae (Melastomataceae) using ITS and *rpl16* intron sequences. ASPT Poster Session, Madison, WI.
- Fritsch, P.W.** 2001. The historical biogeography of Antillean *Styrax* (Styracaceae). ASPT annual meeting, Albuquerque, NM.
- Fritsch, P.W.**, C.C. Davis, J.H. Li, and M.J. Donoghue. 2001. The phylogeny and historical biogeography of *Cercis*: evidence from ITS and *ndhF* DNA sequences. ASPT annual meeting, Albuquerque, NM.
- Fritsch, P.W.** and C.M. Morton. 2000. Phylogeny of the Styracaceae based on four data sets: Implications for the historical biogeography of the northern hemisphere and amphi-Pacific tropical disjunctions. American Journal of Botany 87(supplement): 100–101. Part of BSA/ASPT symposium "Historical Biogeography of the Northern Hemisphere."
- Fritsch, P. W.** and C. M. Morton. 1999. Phylogeny of Styracaceae based on morphological characters. IBC Poster Session, St. Louis, Missouri.
- Fritsch, P. W.** 1999. Integrating molecular and morphological bases for systematics at museums. Stanford University Spring 1999 Symposium, "Museums, universities, and biodiversity in the 21st century."
- Fritsch, P.W.** 1998. Phylogeny of *Styrax* (Styracaceae) based on morphological characters, with implications for biogeography and infrageneric classification. American Journal of Botany 85(supplement): 130. A.I.B.S.
- Fritsch, P.W.** 1996. Patterns of genetic and morphological variation in Californian *Styrax* (Styracaceae). American Journal of Botany 83(supplement): 157. A.I.B.S.

- Fritsch, P.W.** 1996. A revision of *Styrax* (Styracaceae) from western Texas, Mexico, and Mesoamerica. American Journal of Botany 83(supplement): 156–157. A.I.B.S.
- Rieseberg, L.H., and **P.W. Fritsch**. 1994. RAPD markers in conservation biology. Proc. Pacific Div., AAAS 13:91. Symposium entitled “Molecular genetic approaches in conservation,” AAAS, Pacific Division.
- Fritsch, P.W.** 1994. Phylogenetic analysis of *Styrax* (Styracaceae) based on ribosomal DNA sequences from the ITS region. American Journal of Botany 81(supplement): 156. A.I.B.S.
- Hanson, M.A., **P.W. Fritsch**, and L.H. Rieseberg. 1993. Level and distribution of genetic diversity of endangered *Pogogyne* (Lamiaceae); genetic evidence warrants recognition of a new species from Baja California. American Journal of Botany 80(supplement): 152. A.I.B.S.
- Fritsch, P.W.**, and L.H. Rieseberg. 1993. Chloroplast DNA restriction site analysis of *Styrax* Series *Imbricatae* (Styracaceae): Implications for the Madrean-Tethyan hypothesis. American Journal of Botany 80(supplement): 149. A.I.B.S.
- Fritsch, P.W.**, and L.H. Rieseberg. 1992. Outcrossing rates and the maintenance of androdioecy in *Datisca glomerata* (Datiscaceae). American Journal of Botany 79(supplement): 144. A.I.B.S.
- Fritsch, P.W.**, and R. Scogin. 1991. Phylogenetic and ecological implications of secondary phenolic chemistry of the Callitrichaceae. American Journal of Botany 78(supplement): 188. A.I.B.S.

### **Invited Seminars Presented**

- Fort Worth Botanic Garden/Botanical Research Institute of Texas, 2021
- Central Mindanao University, 2019
- University of Florida, 2019
- Texas Christian University (Keynote address for Annual Science Fair), 2017
- Botanical Research Institute of Texas, 2017
- Botanical Research Institute of Texas, 2015
- Central Mindanao University, Philippines, 2015
- Camiguin Polytechnic State College, Philippines, 2015
- Kunming Institute of Botany, 2014
- University of California-Berkeley Herbarium, 2013
- Quarryhill Botanical Garden, 2012
- California Botanical Society, 2009 (at UC Berkeley)
- Quarryhill Botanical Garden, 2008
- University of California-Davis, 2008
- Landcare Research, New Zealand, 2007
- California Academy of Sciences brown-bag seminar on Gaoligongshan expedition, 2006
- Hunan Normal University, 2006
- Javeriana University, Bogotá, Colombia, 2006
- Kunming Institute of Botany, 2005
- Yunnan University, 2005
- Stockholm University, 2004
- San Francisco State University, 2002
- Zhongshan University, Guangzhou, Peoples Republic of China, 2002
- California Academy of Sciences Seminar Series, 2001

Colorado State University, 1999  
Sonoma State University, 1999  
Stanford University (Spring Symposium), 1999  
Two 3-hr lectures to museum docents entitled "The evolution of early land plants", 1997  
California Academy of Sciences (Bay Area Biosystematists), 1997  
Rancho Santa Ana Botanic Garden, 1997  
Stanford University, 1997  
California Botanical Society, 1997  
Bay Area Biosystematists, 1996  
Department of Botany, Duke University, 1996  
University of Washington, 1995  
Michigan State University, 1995  
California Academy of Sciences, 1995  
Institute of Biodiversity of Nepal, 1994  
Rancho Santa Ana Botanic Garden, 1994  
Department of Botany, Duke University, 1994  
Rancho Santa Ana Botanic Garden, 1992

### **Professional Service**

Member, Systematics Collections Committee, American Society of Plant Taxonomists, 2020–  
Member, Environment and Public Policy Committee, American Society of Plant Taxonomists, 2020–  
Member, Natural Science Collections Alliance Board, 2017–  
Panel member for National Science Foundation Advancing Digitization of Biological Collections and Collections in Support of Biological Research, Washington D.C. Jan. 13–15, 2020  
Member, World Flora Online Council and Taxonomic Working Group, 2017–  
Section Editor, Ericales, *Phytotaxa*, 2016–2018  
Member, Program Committee, Quarryhill Botanical Garden Board, 2013–2014  
Member, Education Committee, Quarryhill Botanical Garden Board, 2010–2014  
Member, Environment and Public Policy Committee, American Society of Plant Taxonomists, 2013–2014  
Subject Editor, *Nordic Journal of Botany*, 2013–2016  
Judge for Cooley Award for best presentation by young investigator, American Society of Plant Taxonomists at Botany 2012 in Columbus, OH  
Awards Committee, American Society of Plant Taxonomists Botany 2010 meeting in Providence, RI  
Program reviewer for Kunming Institute of Botany 3-year performance evaluation, 2006  
Session Moderator, ASPT annual meetings, 2003, 2012  
Member, Editorial Committee, Systematic Botany Monographs, 2002–2003  
Vice President, California Botanical Society, 2001–2002  
Organizer (with Dr. Timothy McDowell) of “Biogeography and phylogeny of Caribbean plants,” a half-day symposium jointly sponsored by the American Society of Plant

Taxonomists and the Botanical Society of America, Albuquerque, New Mexico, 2000–2001.

Steering Committee, Bay Area Biosystematists, 1998–99

Chair, Curators Forum, CAS, 1998–99

Secretary, Curators Forum, CAS, 1997–98

Coordinator, CAS Systematics Discussion Group, 1996

Coordinator, Duke Systematics Discussion Group, 1994–1995

Associate Editor, Biotechnology and Biodiversity Letters (Nepal), 1994–

Graduate Student Representative to the Faculty, Claremont Graduate School, 1993

Member, Graduate Student Council, Claremont Graduate School, 1992

Reviewer for the following scientific publications and organizations:

American Journal of Botany, Annalen des Naturhistorischen Museums, Annales Botanici Fennici, Annals of Botany, Annals of the Missouri Botanical Garden, BMC Evolutionary Biology, Botanical Review, Brittonia, Frontiers in Genetics, Genome, International Journal of Molecular Sciences, International Journal of Plant Sciences, Journal of Biogeography, Journal of Systematics and Evolution, Journal of the Botanical Research Institute of Texas, Kew Bulletin, Madroño, Molecular Ecology, Molecular Phylogenetics and Evolution, Nordic Journal of Botany, Novon, Phytokeys, Plant Science, Plant Systematics and Evolution, PLoS One, New Phytologist, Nordic Journal of Botany, Novon, Phytokeys, Phytotaxa, Proceedings of the California Academy of Sciences, Rhodora, Sibbaldia, Systematic Biology, Systematic Botany, Turkish Journal of Botany; National Science Foundation, National Geographic Society, Alfred P. Sloan Foundation, Texas Parks and Wildlife Department

### **Professional Societies**

American Public Gardens Association; American Society of Plant Taxonomists; Botanical Society of America; International Association of Plant Taxonomy; Natural Science Collections Alliance; World Flora Online

### **Field Experience**

Southeastern United States, 2021; Malaysia, Sabah, Borneo, 2009, 2017; Southern and Southwestern China, 1997, 2000, 2002, 2004, 2005, 2006, 2011, 2013, 2014, 2016; Philippines (Mindanao), 2014, 2015, 2019, Negros, 2019, southern Luzon, 2011; Southeastern Brazil, 2001, 2004, 2005, 2009; New Zealand, 2007; Central Colombia, 2006; Southern Mexico, 1992, 1995, 2004; Puerto Rico, 2003; Dominican Republic, 2001; Cuba, 2000; Madagascar, 1998; Eastern Nepal, 1994; Greece, 1993; Baja California, Mexico, 1993; West Texas and northeastern Mexico, 1991; California, ongoing since 1990; north-central Texas, ongoing since 2015; San Clemente Island, California, 1990; Hillsdale County, Michigan, 1985–1989; University of Michigan Biological Station, 1982

### **Hobbies**

Hiking, birding, American history, classical and popular piano