

# Scott B. Franklin

---

**Position:** Professor  
School of Biological Sciences  
College of Natural and Health Sciences  
University of Northern Colorado  
Greeley, CO 80639

**Telephone** **Office:** (970) 351-2650

**Education:** **1996** PhD, Southern Illinois University-Carbondale  
Plant Ecology  
**1996** PhD, University of Joensuu, Joensuu, Finland  
Biology/Forestry  
**1990** MS, Southern Illinois University-Carbondale  
Forest Ecology  
**1988** BS, Upper Iowa University  
Biology/Conservation Management; Minor in Chemistry

**Work Experience:**

**Professional Academic:** **1995-1996**, Department of Biology, University of Joensuu  
Research Fellow. J. William Fulbright Fellowship  
Teaching, Research  
**1996-1997**, Department of Plant Biology, Southern Illinois University  
Lecturer, Teaching  
**1997-2003**, Department of Biology, University of Memphis  
Assistant Professor  
Teaching, Research, Service  
**2003-2008**, Department of Biology, University of Memphis  
Associate Professor  
Teaching, Research, Service  
**2008-2011**, School of Biological Sciences, University of Northern Colorado  
Assistant Professor  
Teaching, Research, Service  
**2011-2014**, School of Biological Sciences, University of Northern Colorado  
Associate Professor  
Teaching, Research, Service  
**2014-pres**, School of Biological Sciences, University of Northern Colorado  
Professor  
Teaching, Research, Service  
**2014-2015**, Interim Associate Dean of Research, College of Natural and  
Health Sciences, University of Northern Colorado  
Responsible for all research-oriented activities, including proposal  
submissions, College awards, and all other scholarly activities. Also took part  
in all Leadership Team and Advisory Board meetings and activities.  
**2015 Fall**, Chinese Academy of Sciences, Wuhan Botanic Garden, China  
International Visiting Scholar  
Research, Taught short course on Disturbance Ecology

2016 Spring, Institute of Botany, Slovak Academy of Sciences, Slovakia  
International Visiting Scholar  
Research

**Area of  
Specialization:**

Plant Ecology

**Research Areas/  
Interests:**

Disturbance ecology, plant ecology, community ecology, spatial and temporal scales, clonal plant ecology

**Publications:**

Juried Articles:

Accepted – names of students that I advised underlined

81. Wion, G.D., Scott B. Franklin, Mitchell E. McGlaughlin & Emily Schumacher. In Revision. Temperature and seed provenance impact germination traits in plants common to sagebrush ecosystems: implications in using seeds of success seeds for ecological restoration. *Western North American Naturalist*.
80. Fois, Mauro, Corrado Marcenò and **Scott B. Franklin**. 2023. Editorial: Floristic and Vegetation Studies at the Era of Big Data: Challenges, Trends and Applications. *Front. Ecol. Evol. - Biogeography and Macroecology* 11:1220026. <https://www.frontiersin.org/articles/10.3389/fevo.2023.1220026/full>10.3389/fevo.2023.1220026. Intro to Special Issue.
79. Mercado, Javier E., Robert T. Walker, **Scott Franklin**, Shannon L. Kay, Beatriz Ortiz-Santana, and S. Karen Gomez. 2023. Xylem traumatic resin duct formation in response to stem fungal inoculation in Douglas-fir and lodgepole pine. *Forests* 14:502. <https://doi.org/10.3390/f14030502>.
78. Wang, W. & **Scott B. Franklin** & Zhijun Lu. 2023. Small-scale spatial patterns of bamboos *Bashania fargesii* and *Fargesia qinlingensis* in the Qinling Mountains, China. *Advances in Bamboo Science* 2:100018. <https://doi.org/10.1016/j.bamboo.2023.100018>.
77. Lu, Zhijun & **Scott B. Franklin**. 2022. Revisiting ramet connection under homogeneous water availability environments. *Flora* (Special issue: *Ecological Implications for Plant Clonality*) 296: 10.1016/j.flora.2022.152163
76. Lu, Zhijun & **Scott B. Franklin**. 2022. Clonal integration and regeneration in bamboo *Bashania fargesii*. *Forest Ecology & Management* 523:120504.
75. Shuman, J.K. J.K. Balch, R.T. Barnes, P.E. Higuera, C.I. Roos, D.W. Schwilk, E.N. Stavros, T. Banerjee, M.M. Bela, J. Bendix, S. Bertolino, S. Bililign, K.D. Bladon, P. Brando, R.E. Breidenthal, B. Buma, D. Calhoun, L.M.V. Carvalho, M.E. Cattau, K.M. Cawley, S. Chandra, M.L. Chipman, J. Cobian-Itiguez, E. Conlisk, J.D. Coop, A. Cullen, K.T. Davis, A. Dayalu, F. De Sales, M. Dolman, L.M. Ellsworth, **S. Franklin**, C.H. Guiterman, M. Hamilton, E.J. Hanan, W.D. Hansen, S. Hantson, B.J. Harvey, A. Holz, T. Huang, M.D. Hurteau, N.T. Ilangakoon, M. Jennings, C. Jones, A. Klimaszewski-Patterson,

- L.N. Kobziar, J. Kominoski, B. Kosovic, M.A. Krawchuk, Paul Laris, J. Leonard, S.M. Loria-Salazar, M. Lucash, H. Mahmoud, E. Margolis, T. Maxwell, J.L. McCarty, D.B. McWethy, R.S. Meyer, J.R. Miesel, W.K. Moser, R.C. Nagy, D. Niyogi, H.M. Palmer, A. Pellegrini, B. Poulter, K. Robertson, A.V. Rocha, M. Sadegh, F. Santos, F. Scordo, J.O. Sexton, A.S. Sharma, A.M.S. Smith, A.J. Soja, C. Still, T. Swetnam, A.D. Syphard, M.W. Tingey, A. Tohidi, A.T. Trugman, M. Turetsky, J.M. Varner, Y. Wang, T. Whitman, S. Yelenik & X. Zhang. 2022. Reimagine Fire Science for the Anthropocene. *PNAS Nexus* 1:1-14. <https://doi.org/10.1093/pnasnexus/pgac115>.
74. Mercado, Javier E., Robert T. Walker, **Scott Franklin**, Shannon L. Kay, Susana Karen Gomez and Robert M. Hubbard. 2021. Changes in transpiration and leaf water potential in Douglas-fir trees following Douglas-fir beetle attack and mechanical girdling. *Forests* 12, 1722. <https://doi.org/10.3390/f12121722>.
73. Hunter, John, **Scott Franklin**, Sarah Luxton & Javier Loidi. 2021. Terrestrial biomes: a conceptual review. *Vegetation Classification and Survey* 2:73-85. doi: 10.3897/VCS/2021/61463. Received Editor's Choice Award.
72. **Franklin, Scott B.**, Tomas Herben, Rob Salguero-Gomez, Jitka Klimesova, Zdenek Janovsky, Peter Alpert & Vladimir Douhovnikoff. 2021. Next-gen plant clonal ecology. *Perspectives in Plant Ecology, Evolution and Systematics* 49:125601. <https://doi.org/10.1016/j.ppees.2021.125601>
71. Malanson, George P., Michelle L. Talal, Elizabeth R. Pansing, and **Scott B. Franklin**. 2021. Vegetation ecology with anthropic drivers and consequences. *Progress in Physical Geography* 45: 446-459. <https://doi.org/10.1177/0309133321999371>
70. **Franklin, Scott B.**, Michael Schiebout and Jozef Šibik. 2020. Vegetation Classification Exercise for the Pawnee National Grasslands, USA. *Vegetation Classification and Survey* 1:123-137. doi: 10.3897/VCS/2020/38629
69. Malanson, George, **Scott B. Franklin**, Michelle L. Talal and Elizabeth R. Pansing. 2020. Human Dimensions: Vegetation Ecology. *The Bulletin of the Ecological Society of America*. DOI:10.1002/bes2.1776.
68. **Franklin, Scott B.**, Paweł Olejniczak, Ewa Samulak, Mária Šibíková, Tomáš Bacigál, Juraj Nechaj & Jozef Šibik. 2020. Clonal plants in disturbed mountain forests: heterogeneity enhances ramet integration. *Perspectives in Plant Ecology, Evolution and Systematics* 44: 125533. <https://doi.org/10.1016/j.ppees.2020.125533>
67. Hobohm, Carsten, Monika Janišová, Manuel Steinbauer, Sara Landi, Richard Field, Sula Vanderplank, Carl Beierkuhnlein, John-Arvid Grytnes, Ole Reidar Vetaas, Alessandra Fidelis, Lea de Nascimento, Vincent Ralph Clark, José María Fernández-Palacios, **Scott Franklin**, Riccardo Guarino, Jihong Huang, Pavel Krestov, Keping Ma, Vladimir Onipchenko, Mike W. Palmer, Marcelo Fragomeni Simon, Christian Stolza, Alessandro Chiarucci. 2019. Global endemics-area relationships of vascular plants. *Perspectives in Ecology and Conservation*. <https://doi.org/10.1016/j.pecon.2019.04.002>.

66. Xu, Yaozhan, Haiyan Huang, Xiujuan Qiao, Zhijun Lu, **Scott Franklin**, Zheng Shi, Yoshiko Iida, Dachuan Bao, Yiqi Luo & Mingxi Jiang. 2019. Linkages between tree architectural designs and life-history strategies in a subtropical montane moist forest. *Forest Ecology & Management* 438: 1-9.
65. Bretfeld, Mario, **Scott B. Franklin** & Robert K. Peet. 2019. Long-term vegetation dynamics of mixed aspen forests in Rocky Mountain National Park, USA. *Journal of Vegetation Science* 30: DOI: 10.1111/jvs.12712.
64. Ke Guo, Chang-Cheng Liu, Zong-Qiang Xie, Frank Yonghong Li, **Scott B. Franklin**, Zhi-Jun Lu & Ke-Ping Ma. 2018. China Vegetation Classification: concept, approach and applications. Submitted to Special Issue of *Phytocoenologia* 48: 113-120.
63. De Cáceres, M., **Franklin, Scott B.**, Hunter, John T., Landucci, Flavia, Dengler, Jürgen, Roberts, David W. 2018. Global overview of plot-based vegetation classification approaches. *Phytocoenologia* 48: 101-112.
62. Ahn, Jehwoo, **Scott B. Franklin** & Vladimir Douhovnikoff. 2017. Epigenetic variation in clonal stands of aspen. *Folia Geobotanica* 52:443-449.
61. Meng, H., X. Wei, **S. B. Franklin**, H. Wu, M. Jiang. 2017. Geographical variation and the role of climate in leaf traits of a relict tree species across its distribution in China. *Plant Biology* 19: 552–561.
60. **Franklin, S.B.**, Xiujuan Qiao & Zhijun Lu. 2017. Spatial Patterns of Species Biodiversity in Terrestrial Environments. *Oxford Bibliographies* DOI: 10.1093/OBO/9780199830060-0179. INVITED
59. Bretfeld, M., **Scott B. Franklin** & Robert M. Hubbard. 2017. Initial evidence for simultaneous, bi-directional sap flow in roots of interconnected aspen ramets (*Populus tremuloides*). *Folia Geobotanica* 52:345-352.
58. Hao Wu, **Scott B. Franklin**, Jianming Liu & Zhijun Lu. 2017. Relative importance of density dependence and topography on tree mortality in a subtropical mountain forest. *Forest Ecology & Management* 384: 169-179.
57. Wang Q., Punchi-Manage R., Lu Z., **Franklin S.**, Wang Z., Li Y., Chi X., Bao D., Guo Y., Lu J., Xu Y., Qiao X. and Jiang M. 2016. Effects of topography on structuring species assemblages in a subtropical forest. *J Plant Ecol*, doi: 10.1093/jpe/rtw047.
56. **Franklin, S.B.**, Hunter, J., De Cáceres, M., Dengler, J., Krestov, P., Landucci, F. 2016. Introducing the IAVS Vegetation Classification Working Group. *Phytocoenologia* 46: 5-8. DOI: 10.1127/phyto/2016/0116.
55. Wang, Wei, **Scott B. Franklin**, Zhijun Lu & Brian J. Rude. 2016. Delayed Flowering in Bamboo: Evidence from *Fargesia qinlingensis* in the Qinling Mountains of China. *Frontiers in Plant Science* 7:151. doi:10.3389/fpls.2016.00151.
54. Bretfeld, M., **Scott B. Franklin** & Robert K. Peet. 2016. A multiple-scale assessment of long-term aspen persistence and elevational range shifts in the Colorado Front Range. *Ecological Monographs* 86:244-260. DOI: 10.1890/15-1195.1.

53. Qiao, Xiujuan, Junmeng Lu, Qianxi Li, Qinggang Wang, Zhiyao Tang, **Scott Franklin**, Jiaxin Zhang, Zhijun Lu, Dachuan Bao, Yili Guo, Haibo Liu, Yaozhan Xu, & Mingxi Jiang. 2015. Beta diversity determinants in Badagonshan, a subtropical forest in central China. *Scientific Reports* 5:17043. DOI: 10.1038/srep17043.
52. Xu Y., J. Zhang, **S.B. Franklin**, J. Liang, P. Ding, Y. Luo, Z. Lu, D. Bao and M. Jiang. 2015. Improving allometry models to estimate the above- and belowground biomass of subtropical forest, China. *Ecosphere* 6(12): 289. DOI: 10.1890/ES15-00198.1
51. Xu, Yaozhan, **Scott B Franklin**, Qinggang Wang, Zheng Shi, Yiqi Luo, Zhijun Lu, Jiaxin Zhang, Xiujuan Qiao & Mingxi Jiang. 2015. Topographic and biotic factors determine forest biomass spatial distribution in a subtropical mountain moist forest. *Forest Ecology & Management* 357: 95-103.
50. De Cáceres, Miquel; Chytry, Milan; Agrillo, Emiliano; Attorre, Fabio; Botta-Dukát, Zoltán; Capelo, Jorge; Czúcz, Balint; Dengler, Jürgen; Ewald, Joerg; Faber-Langendoen, Don; Enrico, Feoli; **Franklin, Scott**; Gavilán, Rosario; Gillet, François; Jansen, Florian; Jiménez-Alfaro, Borja; Krestov, Pavel; Landucci, Flavia; Lengyel, Attila; Loidi, Javier; Mucina, Ladislav; Peet, Robert; Roberts, Dave; Roleček, Jan; Schaminée, Joop; Schmidtlein, Sebastian; Theurillat, Jean-Paul; Tichý, Lubomír; Walker, Donald; Wildi, Otto; Willner, Wolfgang; Wiser, Susan. 2015. A comparative framework for broad-scale plot-based vegetation classification. *Applied Vegetation Science* 18:543-560. DOI: 10.1111/avsc.12179
49. Bretfeld, Mario, James Doerner & **S.B. Franklin**. 2015. Radial growth response and vegetative sprouting of aspen following release from competition due to insect-induced conifer mortality. *Forest Ecology & Management* 347: 96-106.
48. Beverly, Daniel & **S.B. Franklin**. 2015. Separation of heterotrophic and autotrophic contributions to soil CO<sub>2</sub> efflux under simulated dormancy conditions. *Open Journal of Forestry* 5: 274-286. DOI: 10.4236/ojf.2015.53024.
47. ESA Panel [**Franklin, S.B.** et al.]. 2015. How can a national vegetation classification help ecological research and management? (Peer-reviewed letter I initially wrote and incorporated all comments from the Panel) *Frontiers in Ecology and the Environment* 13:185-186.
46. Rayle, Courtney M., **S.B. Franklin** & Zhijun Lu. 2015. Fire occurrence in relation to bamboo dominance in the Qinling Mountains of China: Evidence from phytolith and charcoal records in Holocene sediments. *SCIENCE CHINA Earth Sciences* 58: 1182–1190.
45. Schiebout, M. & **Franklin, S.B.** 2014. Response of Steppe Riparian Areas to the Exclusion of Cattle Grazing: Comparison at Different Spatial and Temporal Scales. *Southwestern Naturalist* 59: 91-102.
44. Moore, J.E., J.D. Wolfe and **S.B. Franklin**. 2014. Growth responses of different aged individuals of *Xanthium strumarium* L. in

- flooded conditions *Journal of the Torrey Botanical Society* 141: 72-79.
43. Guo, Yili, Junmeng Lu, **Scott B. Franklin**, Qinggang Wang, Yaozhan Xu, Kuihan Zhang, Dachuan Bao, Xiujian Qiao, Handong Huang, Zhijun Lu, and Mingxi Jiang. 2013. Spatial distribution of tree species in a species-rich subtropical mountain forest in central. *Canadian Journal of Forest Research* 43:826-835.
  42. He, Dong, Qing-Gang Wang, **Scott B. Franklin** & Mingxi Jiang. 2013. Transient and asymptotic demographics of the riparian species *Euptelea pleiospermum* in the Shennongjia area, central China. *Biological Conservation* 161:193-202.
  41. Moore, J.E., **S.B. Franklin**, B. Collins & G. Weins. 2012. Long-term population demography of *Trillium recurvatum* Beck on loess bluffs in western TN. *AoB PLANTS* 2012: pls015; doi:10.1093/aobpla/pls015
  40. **Franklin S.B.**, D. Faber-Langendoen, M. Jennings, T. Keeler-Wolf, O. Loucks, R. Peet, D. Roberts & A. McKerrow. 2012. Building the United States National Vegetation Classification. *Annali di Botanica* 2: 1-9. (Special Issue based on the 2011 European Vegetation Classification Workshop)
  39. Moore, J.E. & **S.B. Franklin**. 2012. Water stress interacts with early arrival to influence inter and intra-specific priority competition: A test using a greenhouse study. *Journal of Vegetation Science* 23: 647-656.
  38. Moore, J.E., **S.B. Franklin**, D. Larsen & J.W. Grubaugh. 2011. Short-term Assessment of Morphological Change on Five Lower Mississippi River Islands. *Southeastern Naturalist* 10: 459-476.
  37. Moore, J.E., **S.B. Franklin** & J.W. Grubaugh. 2011. Herbaceous plant community responses to fluctuations in hydrology: Using Mississippi River islands as models for plant community assembly. *Journal of the Torrey Botanical Society* 138:175-189.
  36. Moore, J.E. and **S.B. Franklin**. 2011. Understanding the relative roles of disturbance and species interactions in shaping Mississippi River island plant communities. *Community Ecology* 12:108-116.
  35. Carver, Brian D., M.L. Kennedy, A.E. Houston & **S.B. Franklin**. 2011. Assessment of temporal partitioning in foraging patterns of syntopic Virginia opossums and raccoons. *Journal of Mammalogy* 92: 134-139.
  34. **Franklin, S.B.** 2009. Them's the brakes. *Castanea* 74:205-206. **(Introduction to Special Issue on Canebrakes)**
  33. Cirtain, Margaret C., **Scott B. Franklin** & S. Reza Pezeshki. 2009. Effect of light intensity on *Arundinaria gigantea*: field and laboratory studies. *Castanea* 74: 236-246.
  32. **Franklin, S.B.**, J.A. Kupfer, S.R. Pezeshki, R. Gentry & R.D. Smith. 2009. Complex effects of channelization and leveeing on western Tennessee floodplain forest structure, composition and function. *Wetlands* 29:451-464.
  31. Lu, Zhijun, Wei Wang, W. Zhang, H. Li, Q. Cao, G. Dang, D. He & **S.B. Franklin**. 2009. Spatial-temporal patterns of *Bashania fargesii* bamboo shoot emergence and giant panda herbivory. *Biodiversity Science* 17:1-9. (In Chinese)

30. Kupfer, J.A. & **S.B. Franklin**. 2009. Linking spatial pattern and ecological responses in human-modified landscapes: The effects of deforestation and forest fragmentation on biodiversity. *Geography Compass* 3: 331-255. **(Invited Article)**
29. Baldwin, B.S., M. Cirtain, D.S. Horton, J. Ouellette, **S.B. Franklin** & J.E. Preece. 2009. Propagation methods for rivercane [*Arundinaria gigantea* L. (Walter) Muhl.]. *Castanea* 74: 300-316.
28. **Franklin, S.B.**, J.A. Kupfer, S.R. Pezeshki, R.W. Gentry & R.D. Smith. 2009. Efficacy of the hydrogeomorphic model: a case study from western Tennessee. *Ecological Indicators* 9:267-283.
27. **Franklin, S.B.**, Brantley, C.G., Platt, S.G., Griffith, A., Mathews, K.G., Gagnon, P.R., Schoonover, J., Osland, M.J, Rude, B.J., Baldwin, B.S., Zaczek, J.J. 2008. Them's the Brakes: The Past and Future of North American Bamboo. *Southeastern Biology* 55:431-440.
26. Augenfeld, K.H., **S.B. Franklin** & D.H. Snyder. 2008. Breeding bird communities of upland hardwood forest 12 years after shelterwood logging. *Forest Ecology & Management* 255:1271-1282.
25. Kupfer, J.A, M.A. Roberts, S. Walker, J.L. Pinckney, J.E. Moore, J.M. Quattro and **S.B. Franklin**. 2007. Ecological impacts and coastal ecosystem resiliency following Hurricane Katrina. *Southeastern Biology* 54:407-418.
24. Greulich, S., **S.B. Franklin**, T. Wasklewicz & J. Grubaugh. 2007. Hydrogeomorphology and forest composition of Sunrise Island in the lower Mississippi River. *Southeastern Naturalist* 6: 217-234.
23. Wang, W., **S.B. Franklin** & J. Ouellette. 2007. Clonal regeneration of arrow bamboo, *Fargesia qinlingensis*, following giant panda herbivory. *Plant Ecology* 192: 97-106.
22. Wang, W., **S.B. Franklin** & M.C. Cirtain. 2007. Seed germination and seedling growth in the arrow bamboo *Fargesia qinlingensis*. *Ecological Research* 22: 467-474.
21. Wang, W., **S.B. Franklin**, Y. Ren & J.R. Ouellette. 2006. Growth of bamboo *Fargesia qinlingensis* and regeneration of trees in a mixed hardwood-conifer forest in the Qinling Mountains, China. *Forest Ecology & Management* 234:107-115.
20. Kupfer, J.A., G.P. Malanson & **S.B. Franklin**. 2006. Not seeing the ocean for the islands: the mediating influence of matrix-based processes on forest fragmentation effects. *Global Ecology & Biogeography* 15:8-20.
19. Wasklewicz, T.A., **S.B. Franklin** & J.W. Grubaugh. 2005. Assessing the potential use of rehabilitation along the Upper Mississippi River as a model for the Lower Mississippi River. Pp. 1-15 In: Buijse, A.D., F. Klijn, R.S.E.W. Leuven, H. Middelkoop, F. Schiemer, J.H. Thorp & H.P. Wolfert (eds.), *Rehabilitating large regulated rivers. Archiv fuer Hydrobiologie Supplement 155 (Large Rivers 15)*. E. Schweizerbart'sche Verlagsbuchhandlung, Stuttgart. 738 pp.
18. Wasklewicz, T.A., S. Greulich, **S.B. Franklin** & J.W. Grubaugh. 2004. The 20<sup>th</sup> Century Hydrologic Regime of the Mississippi River. *Physical Geography* 25:208-224.

17. Cirtain, M.C., **S.B. Franklin** & S.R. Pezeshki. 2004. Effects of nitrogen and moisture regimes on *Arundinaria gigantea* (Walt.) Walt. Ex Muhl. seedling growth. *Natural Areas Journal* 24:251-257.
16. Kupfer, J.A., A. Webbeking & **S.B. Franklin**. 2004. Landscape fragmentation affects vegetation recovery in Belize, C.A. *Agriculture, Ecosystems and Environment* 103:509-518.
15. **Franklin, S.B.**, J.A. Kupfer, J.W. Grubaugh & M.L. Kennedy. 2004. An assessment of biotic diversity of Natchez Trace State Forest. *Environmental Monitoring and Assessment* 93:30-54.
14. **Franklin, S.B.** & J.A. Kupfer. 2004. Forest Communities of Natchez Trace State Forest, western Tennessee Coastal Plain. *Castanea* 69:15-29.
13. **Franklin, S.B.**, P.A. Robertson & J.S. Fralish. 2003. Effect of fire, thinning, and herbicide treatments on upland *Quercus* stand composition, structure, and soil nutrients. *Forest Ecology & Management* 184:315-335.
12. **Franklin, S.B.**, Pye, J.M., Duncan, B.W., Matlack, G.R., Rudis, V.A. & Seagle, S.W. 2003. Forest fragmentation and biodiversity in the southeast; symposium summary. *Southeastern Biology* 50:335-346.
11. **Franklin, S.B.**, T. Wasklewicz, J.W. Grubaugh & S. Gruelich. 2003. Temporal periodicity of the Mississippi River before and after systematic channel modifications. *Journal of the American Water Resources Association* 39:637-648.
10. Claridge, K. & **S.B. Franklin**. 2002. Compensation and plasticity in an invasive plant species. *Biological Invasions* 4:339-347.
9. **Franklin, S.B.**, J.A. Kupfer, S.R. Pezeshki, Tanya Scheff, Ryan Hanson & Randy Gentry. 2001. Floristic, edaphic, and hydrologic conditions of Stokes Creek, TN prior to dechannelization. *Physical Geography* 22:254-274.
8. Kupfer, J.A. & **S.B. Franklin**. 2000. Implementation and evaluation of an ecological land type classification system, Natchez Trace State Forest, western Tennessee, USA. *Landscape and Urban Planning* 49:179-190.
7. **Franklin, S.B.** & M. Tolonen. 2000. Temporally-explicit models of fire and forest. *Plant Ecology* 146:145-68.
6. Campbell, J.C., **S.B. Franklin**, D.J. Gibson & J. Newman. 1998. Permutation of two-term local quadrat variance analysis: general concepts for interpretation of peaks. *Journal of Vegetation Science* 9:41-44.
5. **Franklin, S.B.**, P.A. Robertson & J.S. Fralish. 1997. Small-scale fire temperature patterns in upland *Quercus* communities. *Journal of Applied Ecology* 34:613-630.
4. Basinger, M.A., **S.B. Franklin** & J.P. Shimp. 1996. Vegetation of a sandstone outcrop along the Ohio River in Hardin County, Illinois. *Castanea* 61:327-338.
3. **Franklin, S.B.**, D.J. Gibson, P.A. Robertson, J.T. Pohlmann & J.S. Fralish. 1995. Parallel analysis: a method for determining significant principal components. *Journal of Vegetation Science* 6:99-106.



2. **Franklin, S.B.** 1994. Late-Pleistocene and Holocene vegetation history of Land Between The Lakes, Kentucky and Tennessee. *Transactions of the Tennessee Academy of Sciences* 55:6-19.
1. **Franklin, S.B.**, P.A. Robertson, J.S. Fralish & S.M. Kettler. 1993. Overstory vegetation and successional trends of Land Between The Lakes, U.S.A. *Journal of Vegetation Science* 4:509-520.

Short Communications/Book Reviews (not juried):

3. Ecological Society of America Vegetation Classification Panel. 2022. The United States National Vegetation Classification: Creating a Common Language to Classify the Nation's Vegetation, *Scientia*, DOI: <https://doi.org/10.33548/SCIENTIA784>. (One of many that helped put this together)
2. Franklin, Scott B. 2020. Review of *Seeing Science*. *Visual Communication Quarterly* 27(1): 47-48. <https://doi.org/10.1080/15551393.2020.1712178>.
1. Anderson, Roger, **Scott B. Franklin**, and Charles M. Ruffner. 2012. Obituary: James S. Fralish 1938-2011. *Bulletin of the Ecological Society of America* 93:10-12.

Book Chapters/Juried Proceedings:

8. Hobohm, Carsten, Carl Beierkuhnlein, Christine Börtitz, V. Ralph Clark, Nadja El Balti, Andreas Fichtner, **Scott Franklin**, Thomas Gaens, Werner Härdtle, Andreas Skriver Hansen, Monika Janišová, Jan Jansen, Martin Lindner, Michaela Moro-Richter, Volker Müller-Benedict, Konrad Ott, Karl Christoph Reinmuth, Nils van Rooijen, Mattias Sandberg, Joop H. J. Schamineé, Cindy Q. Tang, Hans-Christoph Vahle & Sula E. Vanderplank. 2021. Land Use Change and the Future of Biodiversity. In: Hobohm C. (ed) *Perspectives for Biodiversity and Ecosystems. Environmental Challenges and Solutions*. Springer, Cham. [https://doi.org/10.1007/978-3-030-57710-0\\_19](https://doi.org/10.1007/978-3-030-57710-0_19)
7. Allen, Lin, Franklin Scott. 2020. Corona Covered: Mask Media. *Proceedings, Society for the Academic Study of Social Imagery (SASSI)*. JURIED
6. David M. Close, James S. Fralish & **Scott B. Franklin**. 2002. The climate, soil, and vegetation of Land Between The Lakes. Pp. 53-68. In: James S. Fralish & Edward W. Chester (eds.) *Land Between The Lakes, Kentucky and Tennessee: Four Decades of Tennessee Valley Authority Stewardship*. Center for Field Biology, Austin Peay State University, Clarksville, TN.
5. **Franklin, Scott B.**, David M. Close & James S. Fralish. 2002. History, classification, and effects of disturbance on forest communities in Land Between The Lakes. Pp. 285-322 In: James S. Fralish & Edward W. Chester (eds.) *Land Between The Lakes, Kentucky and Tennessee: Four Decades of Tennessee Valley Authority Stewardship*. Center for Field Biology, Austin Peay State University, Clarksville, TN.
4. Wasklewicz, Thad, **Scott B. Franklin**, Sabine Greulich & Jack Grubaugh. 2001. Changes in the hydrologic periodicity of the Mississippi River, USA. Pp. 53-61. In: R.A. Falconer & W.R. Blain (eds.) *River Basin Management*, WITpress, Southampton, Boston.

3. **Franklin, Scott B.**, John A. Kupfer, S. Reza Pezeshki, Natasja van Gestel & Randy Gentry. 2001. Channelization effects on floodplain functions in western Tennessee. Pp. 189-201 In: R.A. Falconer & W.R. Blain (eds.) *River Basin Management*, WITpress, Southampton, Boston.
2. Fralish, James S., **Scott B. Franklin** & David D. Close. 1999. Open woodland communities of southern Illinois, western Kentucky, and middle Tennessee. Pp. 171-189. In: R.C. Andersen & J.S. Fralish (eds.) *Savannas, Barrens and Rock Outcrop Plant Communities of North America*, John Wiley & Sons, NY.
1. Fralish, James S., **Scott B. Franklin**, Philip A. Robertson, Stephan M. Kettler & Fred B. Crooks. 1993. An ordination of compositionally stable and unstable forest communities at Land Between The Lakes, Kentucky and Tennessee. Pp. 247-267 In: J.S. Fralish, R.P. McIntosh & O.L. Loucks (eds.) *John T. Curtis -- Fifty Years of Wisconsin Plant Ecology*, University of Wisconsin Press, Madison.

Nonjuried Books:

4. Benedict, Lauryn, Scott Franklin & Robert Reinsvold. 2015. Survey of Organisms Lab Manual.
3. **Franklin, Scott B.**, Jack W. Grubaugh & Rick Adams. 2010. Ecology Lab Book. Kendall-Hunt, Dubuque, IA, 110 p.
2. Richards, Mary-Anne & **Scott B. Franklin**. 2009. Science and Technical Writing: A Guide to the Types of Science and Technical Writing, with a Grammar Review. Kendall-Hunt, Dubuque, IA, 226 p.
1. Fralish, James S. & **Scott B. Franklin**. 2002. Taxonomy and ecology of woody plants in North American forests (excluding Mexico). John Wiley & Sons, Inc., NY, 612 p.

Invited Presentations:

**Professional Presentations:**

2020. ESA Water Cooler Chat: Interdisciplinary Ecology in Practice. Along with Timothy Nuttle. (<https://www.esa.org/interdisciplinary-ecology-in-practice/>)
2020. *Trait Variability of Sagebrush Species in Western Colorado: Could it impact Restoration Success?* Botany Department, University of Wyoming.
2016. *Effects of wind disturbance on clonal plant dominance; proposal of study*. Institute of Botany, Slovak Academy of Sciences.
2016. *Do Species' Suites Track Shifts in Disturbance and Climate Regimes?* Institute of Botany, Slovak Academy of Sciences.
2015. *The United States National Vegetation Classification and International Standards*. Beijing Ecological Society, Institute of Botany, CAS, Beijing, China
2015. *Do Species' Suites Track Shifts in Disturbance and Climate Regimes?* Di Da (Geological University), Wuhan, China
2015. *Ecology of Aspen Population Persistence in Rocky Mountain National Park (USA)*. Wuhan Botanical Garden, CAS, Wuhan, China
2015. *Forty years of aspen dynamics in the Colorado Front Range*. Beaver Meadows Visitor Center Summer Public Science Program.

2014. *Do aspen enclosures affect biodiversity?* Rocky Mountain National Park Interpretation and Resource Stewardship Workshop, Estes Park, CO.
2014. *History of the US National Vegetation Classification*. Organized Poster Session, Ecological Society of America, Sacramento, CA.
2013. *The diversity of aspen enclosures*. Beaver Meadows Visitor Center Summer Public Science Program.
2012. *Characteristics of a bamboo flowering event*. CAS, Wuhan Botanic Garden, Wuhan, China.
2006. *Regeneration of bamboo following disturbances*. CAS, Institute of Botany, Beijing, China.

Non-juried Presentations (Oral) – students I advised are underlined:

- Bretfeld, Mario, Robert K. Peet, Esteban Muldavin, Scott B. Franklin. 2023. Do vegetation classification systems capture long-term changes? International Association of Vegetation Science Annual Meeting, Coffs Harbour, Australia.
- Erskine, Raymond, Scott Franklin, Jordan Conley, Mitchell McGlaughlin, Gwen Wion and Emily Schumacher. 2023. Ecological Society of America Annual Meeting, Portland, OR.
- Conley, Jordan, Raymond Erskine, Daniel Beverly, Kieran Hawson, Morgan Marzulla, Samantha Naibauer, Ryan Thomas, Gwen Wion, Mitchell McGlaughlin, and Scott Franklin. 2023. Plant Trait Variation and Epigenetic Variation of *Grindelia squarrosa*. Ecological Society of America Annual Meeting, Portland, OR.
- Franklin, Scott B. & Justin Yow. 2023. Relationships between climate variability and Ponderosa pine (*Pinus ponderosa*) fuel loads in the Colorado mountains, USA. Ecological Society of America Annual Meeting, Portland, OR.
- Bretfeld, Mario, Robert K. Peet, Esteban Muldavin & Scott B. Franklin 2022. Testing the efficacy of a classification system decades after development. *Ecological Society of America Meeting*, Montreal, Canada.
- Bretfeld, Mario, Kimberly Kaufeld, James Moore & Scott Franklin 2022. From the Mississippi to the Rockies: Do species' suites track shifts in disturbance and climate regimes? *International Association of Vegetation Science*, Virtual.
- Kaufeld, Kimberly, Mario Bretfeld, James Moore & Scott Franklin. 2021. From the Mississippi to the Rockies: Do species' suites track shifts in disturbance and climate regimes? *Ecological Society of America Meeting*, Virtual.
- Allen, Lin, Franklin, Scott. 2020. "Houston We Have Elocution--And Deeper Space Solutions: The Impact of Scientific Imagination", SASSI UNC School of Communication, Greeley.
- Franklin, Scott, Maria Sibikova, Jozef Šibík, Karol Mikula, Michal Kollár, James Moore, Mario Bretfeld & Kimberly Kaufeld. 2020. Dynamic Vegetation and a Dynamic Classification to Track It. Ecological Society of America, Virtual.
- Schneider, Gwen, Scott B. Franklin & Abigail Larino. 2019. Using the NVC to develop functional-based seed mixes for restoration of sagebrush habitat. *Ecological Society of America Meeting*, Louisville, KY.

- Lupardus, R., & S.B. Franklin. 2019. Fracking impacts on the shortgrass steppe, Colorado, USA. *International Association of Vegetation Science*, Bremen, Germany.
- Sibik, Jozef, Scott B. Franklin, Pawel Olejniczak, Ewa Samulak, Juraj Nechaj, Tomas Bacigal, Maria Sibikova. 2019. Structural and functional changes of montane spruce forests after the disturbances. *International Association of Vegetation Science*, Bremen, Germany.
- Schneider, Gwen, Scott B. Franklin. 2019. Functional variability of Common Sagebrush associated species and implications for ecological restoration. *International Association of Vegetation Scientists*, Bremen, Germany.
- Franklin, S.B., Pawel Olejniczak & Jozef Sibik. 2018. Clonal Plant Response to Disturbance in the Montane Spruce Forests of the Tatras, Central Europe. Clonal Plant Conference, Brunswick, ME, USA.
- Franklin, S.B., Pawel Olejniczak & Jozef Sibik. 2018. Clonal Plant Response to Disturbance in the Montane Spruce Forests of the Tatras, Central Europe. Rocky Mountain National park Symposium, Estes Park, CO, USA.
- Lupardus, Randi & Scott B. Franklin. 2017. Potential environmental impact of oil and natural gas emissions on a shortgrass steppe. *Ecological Society of America Annual Meeting*, Portland, OR.
- Moore, James E., Beverly Collins, Chad Pope & Scott B. Franklin 2017. Effects of disturbance intensity and frequency on old-field community diversity, composition, and functional groups. *Ecological Society of America Annual Meeting*, Portland, OR.
- Franklin, Scott B., Don Faber-Langendoen & Jozef Sibik. 2017. Division Level Examples for a Global Vegetation-based Biome Classification. *International Association of Vegetation Science*, Palermo, Sicily.
- Franklin, Scott B., Mario Bretfeld, Robert K. Peet, Kimberly Kaufeld, James Doerner & Megan Heier<sup>UG</sup>. 2015. Forty years of change in aspen forests, Rocky Mountain National Park (CO). *Clonal Plant Workshop*, Třeboň, Czech Republic.
- Lupardus, Randi & Scott Franklin. 2015. Potential Environmental Impacts of Shale Development on Proximate Flora. *Ecological Society of America Annual Meeting*, Baltimore, MD.
- Franklin, Scott B., Bretfeld, Mario, Peet, Robert K., Kaufeld, Kimberly, & Doerner, James. 2015. Forty years of change in aspen forests, Rocky Mountain National Park, USA. Rocky Mountain National Park Research Conference, Estes Park, CO.
- Kaufeld, K., Scott B. Franklin & James E. Moore. 2014. Community dynamics along a disturbance gradient. *Ecological Society of America Annual Meeting*, Sacramento, CA.
- Bretfeld, Mario, Scott B. Franklin & Robert K. Peet. 2014 Assessing 40 years of change in aspen forests of the Rocky Mountain National Park (CO). *Ecological Society of America Annual Meeting*, Sacramento, CA. (Mario won the Vegetation Section Oral Presentation Award for this talk – Damman Award)
- Franklin, Scott. B., Zhijun Lu, Wei Wang, Courtney Rayle & Brian Rude. 2012. Characteristics of a flowering event of Arrow bamboo, *Fargesia qinlingensis*. 10<sup>th</sup> Clonal Plant Workshop, Beijing, China.
- Beverly, D. 2012. Soil CO<sub>2</sub> Efflux in Salvage Logged versus Untreated Beetle-kill Forests. Guild of Rocky Mountain Ecologists and Evolutionary Biologists (GREEB) Meeting, Pingree Park, CO.

- Bretfeld, M. 2012. Stress response, annual and diurnal patterns in rootsap flow of *Populus tremuloides*. Guild of Rocky Mountain Ecologists and Evolutionary Biologists (GREEB) Meeting, Pingree Park, CO.
- Franklin, Scott B., Nathan Kirkley & Matt King<sup>UG</sup>. 2011. Effects of mechanical thinning, fire, and mastication on the spatial structure of the forest floor. *Ecological Society of America* Annual Meeting, Austin, TX.
- Franklin, Scott B. Franklin, Don Faber-Langendoen, Todd Keeler-Wolf, Robert K. Peet, Orié Loucks & Michael Jennings. 2011. European Vegetation Survey Workshop, Rome, Italy.
- Schiebout, Michael & Scott Franklin. 2010. Effects of grazing on shortgrass steppe riparian areas. Guild of Rocky Mountain Ecologists and Evolutionary Biologists (GREEB) Meeting, Pingree Park, CO.
- Moore, James E., Scott B. Franklin & Jack W. Grubaugh. 2010. Herbaceous plant community responses to fluctuations in hydrology. International Association of Vegetation Scientists (IAVS), Ensenado, Mexico.
- Bretfeld, Mario & Scott Franklin. 2009. Measuring clonal integration in aspen via sap flow. Guild of Rocky Mountain Ecologists and Evolutionary Biologists (GREEB) Meeting, Mountain Research Station, CO.
- Moore, James E., Scott B. Franklin & Jack W. Grubaugh. 2009. Disturbance gradients and vegetation dynamics on Mississippi River islands. *Ecological Society of America* Annual Meeting, Albuquerque, NM.
- Franklin, Scott B. & Zhijun Lu. 2009. Apical dominance, root competition, and clonal integration. *9<sup>th</sup> Clonal Plant Symposium*, Leuven, Belgium.
- Franklin, Scott B., John A. Kupfer, S. Reza Pezeshki, Randy Gentry & R. Daniel Smith. 2008. Complex effects of channelization and leveeing on western Tennessee Floodplain Forest Structure, Composition and Function. *Integrating Science into the Restoration and Management of Floodplain Ecosystems of the Southeast*. Little Rock, AR.
- Lu, Zhijun, Scott Franklin & Wei Wang. 2006. Clonal integration enhances the regeneration capacity of *Bashania fargesii* in the Qinling Mountains, China. *Ecological Society of America* Annual Meeting, Memphis, TN.
- Wang, Wei, Scott B. Franklin & John Ouellette. 2005. Spatial pattern of ramets in two bamboo species, *Bashania fargesii* and *Fargesia qinlingensis*. *Ecological Society of America* annual meeting.
- Kupfer, John A., George Malanson & Scott B. Franklin. 2005. Forest fragmentation and landscape representation: the influence of matrix-based processes on forest fragmentation effects. *Association of American Geographers* Annual Meeting.
- Franklin, Scott B. 2003. Biodiversity and Forest Fragmentation. Introduction for a special symposium I organized on "Forest Fragmentation and Biodiversity in the Southeastern United States." *Southeastern Biology* 50:201.
- Franklin, Scott B. & John A. Kupfer. 2002. Effects of landscape structure on nutrient pools of recovering milpas in Belize, C.A. *Ecological Society of America* annual meeting.

- Wasklewicz, Thad A., Sabine Greulich, Scott B. Franklin & Jack W. Grubaugh. 2001. Unnatural flow regime: hydrologic responses of the Mississippi River to Human modifications. *Association of American Geographers* annual meeting.
- Wasklewicz, Thad A., Sabine Greulich, Scott B. Franklin & Jack W. Grubaugh. 2001. Changes in the hydrologic periodicity of the Mississippi River. *Ecological Society of America* annual meeting.
- Franklin, Scott B., Amy Webbeking & John A. Kupfer. 2001. The effects of landscape structure on plant regenerative patterns in shifting cultivation fields near Indian Church, Belize. *International Association of Landscape Ecologists – North American Chapter* annual Meeting.
- Franklin, Scott B., John A. Kupfer, Reza Pezeshki & Natasja van Gestel. 2001. Channelization effects on floodplain nutrient pools in western Tennessee. *Southeastern Biology* 48:162-163.
- Webbeking, Amy, John A. Kupfer & Scott B. Franklin. 2000. Landscape-level effects on the regeneration of milpas, Orange Walk District, Belize C.A. *Ecological Society of America* annual meeting.
- Mahady, Scott J., Scott B. Franklin & Beverly Collins. 2000. The influence of disturbance on the successional pattern of an old field. *ASB Bull.* 47:143.
- Turrini-Smith, Leslie A., Ellen M. Williams, Scott B. Franklin, John A. Kupfer, Reza Pezeshki, Randy Gentry, Jack W. Grubaugh, Kurt J. Maier, C.A. Scurlock & G.D. Scurlock. 1999. Stream restoration demonstration project of Stokes Creek, Crockett County, Tennessee. Presented at the *Ecology and Management of Bottomland Hardwood Systems* conference, Memphis, TN.
- Franklin, Scott B., Philip A. Robertson, Brian P. Klubek, James S. Fralish & Felix Ponder. 1998. Physiological diversity of soil microorganisms in burned and unburned upland hardwood stands. *ASB Bull.* 45(2):131.
- Franklin, Scott B., Philip A. Robertson, Brian P. Klubek, James S. Fralish & Felix Ponder. 1998. The effects of prescribed burning on soil microorganism populations. Presented at the *Ecological Society of America* annual meeting, Baltimore.
- Franklin, Scott B. 1997. The effects of prescribed burning on upland *Quercus* forest vegetation, Land Between The Lakes, Kentucky and Tennessee. P. 286 **In:** A.F. Scott, S.W. Hamilton, E.W. Chester & D.S. White (eds.) *Proc. Seventh Annual Symposium on the Natural History of the Lower Tennessee and Cumberland River Valleys*. The Center For Field Biology, Austin Peay State University, Clarksville, TN.
- Tolonen, Mirjami & Scott B. Franklin. 1997. Temporally-explicit models of fire and vegetation. Presented at the *Ecological Society of America* annual meeting, New Mexico.
- Franklin, Scott B. 1996. Effect of fire on upland white oak communities, Land Between The Lakes. *Trans. Ill. State Acad. Sci.* 89(Supplement):46.
- Franklin, Scott B. 1996. Effect of fire on white oak community structure, Land Between The Lakes. Presented at the *Kentucky Academy of Sciences* annual meeting.

- Basinger, Mark A., Scott B. Franklin & Jody P. Shimp. 1995. Classification of a mesic sandstone outcrop community along the Ohio River in Hardin County, Illinois. *ASB Bull.* 42(2):123.
- Franklin, Scott B., Philip A. Robertson & James S. Fralish. 1995. Small-scale fire temperature heterogeneity in an upland hardwood forest. *ASB Bull.* 42(2):110.
- Franklin, Scott B., David J. Gibson, Philip A. Robertson & John T. Pohlmann. 1994. Parallel analysis: a method for determining significant factors. *ASB Bull.* 41(2):97.
- Franklin, Scott B. 1993. From Pleistocene to present: a vegetational history of Land Between The Lakes, KY and TN. P. 195 **In:** S.W. Hamilton, E.W. Chester & A.F. Scott (eds.) *Proc. Fifth Annual Symposium on the Natural History of the Lower Tennessee and Cumberland River Valleys*. The Center For Field Biology, Austin Peay State University, Clarksville, TN.
- Franklin, Scott B., Philip A. Robertson, James S. Fralish & Stephan M. Kettler. 1993. Stratum analysis for separating successional from compositionally-stable stands. *ASB Bull.* 40(2):127.
- Franklin, Scott B. 1992. A vegetation history of Land Between The Lakes. *ASB Bull.* 39(2):98-99.
- Franklin, Scott B., Philip A. Robertson, James S. Fralish & Stephan M. Kettler. 1991. Multivariate analysis of the overstory vegetation of Land Between The Lakes, KY and TN. P. 103 **In:** D.H. Snyder (ed.) *Proc. Fourth Annual Symposium on the Natural History of the Lower Tennessee and Cumberland River Valleys*. The Center For Field Biology, Austin Peay State University, Clarksville, TN.
- Franklin, Scott B., James S. Fralish & Philip A. Robertson. 1991. Ordination of compositionally-stable communities of Land Between The Lakes, KY and TN. *ASB Bull.* 38(2):116.
- Franklin, Scott B., James S. Fralish & Fred B. Crooks. 1990. Community site relationships at Land Between The Lakes, KY and TN. P. 103 **In:** S.W. Hamilton & M.T. Finley (eds.) *Proc. Third Annual Symposium on the Natural History of the Lower Tennessee and Cumberland River Valleys*. The Center For Field Biology, Austin Peay State University, Clarksville, TN.
- Franklin, Scott B., James S. Fralish & Fred B. Crooks. 1990. The effect of soil and topography on forest stand composition and growth at Land Between The Lakes, KY and TN. *ASB Bull.* 37(2):74.
- Franklin, Scott B., James S. Fralish & Fred B. Crooks. 1989. Forest communities of xeric-mesic and mesic sites at Land Between The Lakes, KY and TN. *ASB Bull.* 36(2):112.

Non-juried Presentations (Poster) – students I advised are underlined:

Franklin, Scott & Jordan Conley. 2024. Clonal and Introduced Plants in alpine environments. Rocky Mountain National Park Biennial Symposium, Estes Park, CO.

Walker, Robert T., Robert M. Hubbard, Javier Mercado & Scott Franklin. 2019. Changes in transpiration in Douglas-fir trees following Douglas-fir beetle attack and mechanical girdling. Ecological Society of America Meeting, Louisville, KY.

Franklin, Scott B., Pawel Olejniczak, Ewa Samulak, Maria Sibikova, Tomas Basigal, Juraj Nechaj & Jozef Sibik. 2018. Clonal Plant Response to

- Disturbance in the Montane Spruce Forests of the Tatras (Slovakia). International Association of Vegetation Science, Bozeman, MT, USA.
- Franklin, Scott B. & Don Faber-Langendoen. 2017. NVC Review Board: Engaging vegetation ecologists in support of the USNVC. *Ecological Society of America annual meeting*. Portland, OR.
- Burke, Marianne K., Alexa McKerrow, & Scott B. Franklin. 2017. Introduction to the USNVC, VegBank and the Proceedings. *Ecological Society of America annual meeting*. Portland, OR.
- Schiebout, Michael H., Scott B. Franklin, Jozef Sibik, and Don Hazlett. 2017. Classification of Pawnee National Grasslands: Challenges of fitting locally-geographic plot-based classifications into the USNVC. *Ecological Society of America annual meeting*. Portland, OR.
- Franklin, S.B., Hunter, J., De Cáceres, M., Dengler, J., Krestov, P., Landucci, F. 2016. Introducing the IAVS Vegetation Classification Working Group. *European Vegetation Survey Workshop*, Rome, Italy.
- Franklin, Scott B., Don Faber-Langendoen, Robert K. Peet, Todd Keeler-Wolf, David W. Roberts, Esteban Muldavin & Janet Franklin. 2015. USNVC peer review: maintaining a dynamic and comprehensive classification. *International Association of Vegetation Science annual meeting*. Brno, Czech Republic.
- Schiebout, Michael H., Amber Brandt & Scott B. Franklin. 2014. Vegetative classification of the Pawnee National Grassland, USA. *Ecological Society of America annual meeting*. Sacramento, CA.
- Beverly, D. & Scott B. Franklin. 2014. Separation of heterotrophic and autotrophic contributions to soil CO<sub>2</sub> efflux under simulated dormancy conditions. *Ecological Society of America annual meeting*. Sacramento, CA.
- Franklin, Scott B., Amber Brandt & Michael Schiebout. 2013. Community classification of the Pawnee National Grasslands, shortgrass steppe, USA. *International Association of Vegetation Science*, Tartu, Estonia.
- Moore, James, D. Stewart & Scott Franklin 2013. Facilitative interactions of two co-occurring invasive trees in the Southeastern U.S. *Ecological Society of America annual meeting*. Minneapolis, MN.
- Kaufeld, Kimberly, James Moore & Scott Franklin 2013. Community Shifts along a disturbance gradient. *Ecological Society of America annual meeting*. Minneapolis, MN.
- Schiebout, Michael & Scott Franklin. 2013. Investigating competitive inhibition for Canada thistle (*Cirsium arvense*) and cheatgrass (*Bromus tectorum*) by comparing their response in relation to functionality and nativeness. *Ecological Society of America annual meeting*. Minneapolis, MN.
- Franklin, Scott B., Robert K. Peet & David W. Roberts. 2012. A short history of vegetation classification and its relevance today. *Ecological Society of America annual meeting*. Portland, OR.
- Beverly, Daniel, Robert M. Hubbard & Scott B. Franklin. 2012. Soil CO<sub>2</sub> efflux in salvage logged versus untreated beetle-kill forests. *Ecological Society of America annual meeting*. Portland, OR.



- Bretfeld, Mario, Scott B. Franklin, Robert M. Hubbard & Daniel Beverly. 2012. Annual patterns and stress response in root sap flow of *Populus tremuloides*. *Ecological Society of America* annual meeting. Portland, OR.
- Moore, J. & S.B. Franklin. 2012. Water stress interacts with early arrival to influence interspecific and intraspecific priority competition: a test using a greenhouse study. *Ecological Society of America* annual meeting. Portland, OR.
- Moore, J. & S.B. Franklin. 2011. Understanding the relative roles of disturbance and species interactions in shaping Mississippi River island plant communities. *Ecological Society of America* annual meeting, Austin, TX.
- Schiebout, Michael & S.B. Franklin. 2011. Gravel mine reclamation on the shortgrass steppe: current status and assessment of competition. *Ecological Society of America* annual meeting, Austin, TX.
- Bretfeld, Mario, S.B. Franklin, R. Hubbard & D. Beverly. 2011. Quantifying clonal integration in *Populus tremuloides* via root sap flow. *Ecological Society of America* annual meeting, Austin, TX.
- Franklin, Scott B., Mario Bretfeld, Daniel Beverly, and Rob Hubbard. 2010. Regeneration and clonal integration of aspen. *Ecological Society of America* annual meeting, Pittsburgh, PA.
- Franklin, Scott B., Mario Bretfeld & Vladimir Douhovnikoff. 2009. Measuring clonal integration in aspen via root sap flow. 9<sup>th</sup> *Clonal Plant Symposium*, Leuven, Belgium.
- Franklin, Scott B. James S. Fralish & James E. Moore. 2009. The history of vegetation ecology in The American Midland Naturalist. *Ecological Society of America* annual meeting, Albuquerque, NM.
- Franklin, S.B., J.A. Kupfer, S.R. Pezeshki, R. Gentry & R.D. Smith. 2008. Effects of channelization on western Tennessee floodplain forest ecosystems. *Ecological Society of America* annual meeting, Milwaukee, WI.
- Franklin, Scott B., Margaret Cirtain, John Preece, S. Reza Pezeshki, and Maciej Biernacki. 2007. Restoration and Ecology of *Arundinaria gigantea*: field and laboratory studies, *Ecological Society of America* annual meeting, San Jose, CA.
- Franklin, S.B., Wei Wang and Zhijun Lu. 2007. Effect of mass flowering on *Fargesia qinlingensis* regeneration and chemical constituent allocation. International Association of Vegetation Science, Auckland, New Zealand.
- Lu, Zijun, Ming Dong, and Scott Franklin. 2007. Clonal integration and expansion of bamboo (*Bashania fargesii*) into old-fields. Association of Southeastern Biologists Annual Meeting, Columbus, SC.
- Kupfer, John A., Scott B. Franklin, S. Reza Pezeshki & Skeeter Dixon. 2006. Effects of hurricane Katrina on southern Mississippi coastal forests and projected post-hurricane responses. *Coastal Resiliency Information Systems Initiative for the Southeast National Summit*, Columbia, SC.

- Wang, Wei, Scott B. Franklin & John Ouellette. 2004. Regeneration patterns of *Bashania fargesii* in China. *Ecological Society of America* annual meeting, Portland, OR.
- Wang, Wei, Scott B. Franklin & John Ouellette. 2003. Giant panda herbivory effects on bamboo dynamics. *Ecological Society of America* annual meeting, Savanna, GA.
- Franklin, Scott B. Thad A. Wasklewicz, Sabine Greulich, & Jack W. Grubaugh. 2002. Temporal periodicity of the Mississippi River. *Southeastern Biology* 49:110.
- Wasklewicz, Thad A., Sabine Greulich, Scott B. Franklin & Jack W. Grubaugh. 2001. Human modifications of hydrology along the mainstem of the Mississippi River. *Southeastern Division of American Geographers*, University of North Carolina, Chapel Hill.
- Franklin, Scott B., Reza Pezeshki, Natasja van Gestel, John Kupfer & Mitch Elcan. 2000. Effects of stream alterations on floodplain function.
- Franklin, Scott B. & Päivi Paalamo. 1996. Field and bottom strata spatial patterns in an old-growth *Myrtillus* forest, North Karelia, Finland: effects of history. *Kasvitieteen Päivät*, Kuopio, Finland.
- Wilker, John R., Scott B. Franklin & Steve L. Morton. 1995. The spiral model of community dynamics. *ASB Bull.* 42(2):98.
- Franklin, Scott B., David J. Gibson, Philip A. Robertson & John T. Pohlmann. 1994. Use of parallel analysis for determining significant factors. *Bull. Ecol. Soc. Am.* 75:70-71.

#### Conferences I Helped Organize:

- Co-Chair, 2006, Association of Southeastern Biologists
- Local Host Chair, 2006, Ecological Society of America
- Program Chair, 2009, Ecological Society of America

#### Symposia/Sessions I Organized/Co-Organized:

- Fragmentation of Forests, Association of Southeastern Biologists, 2005
- Clonal Plant Ecology, Ecological Society of America, 2006
- Canebrake Restoration, Association of Southeastern Biologists, 2008
- Frontiers In Measuring and Projecting Long-Lived Vegetation Dynamics, Ecological Society of America, 2012
- Using Big Data for Big Classifications, International Association of Vegetation Scientists, 2021
- Allen, L. (Panelist), Franklin, S. (Panelist), Romulo, C. (Panelist), Johnson, S. (Panelist), RMCA: "The Past Is Prologue", "Synching or Sinking Water Equity: Does History Replete Itself?," RMCA, Virtual, 2021.
- Documenting Vegetation Dynamics with Classification Systems, Ecological Society of America, 2022
- Using Classification to Elucidate Vegetation Dynamics and Conservation of Habitats, International Association of Vegetation Scientists, 2022

#### Workshops I Organized/Co-Organized:

- Photographic Vegetation Databases – assessing types, research and teaching uses, and a potential inventory, International Association of Vegetation Scientists, 2021.

**Funded Projects:**

- Scott Franklin. 2024. Temporal Forest Changes in Rocky Mountain National Park. RM-CESU – Rocky Mountain National Park - \$88,404.00.
- Scott Franklin, Jozef Sibik & Maria Sibakova. 2023. Understanding Community assembly driven by Alien Trees – COMBAT. UNC RDFD - \$8,000.00.
- Romulo, Chelsie, Lin Allen & Scott Franklin. 2021. Water equity teacher workshop. Hewitt Foundation – \$24,138.58.
- Sanchez, Karina, Robert Reinsvold, Scott Franklin & Lauryn Benedict. 2020. Customizing an OER for Bio 111 - Organisms to Ecosystems - \$3000.00.
- Franklin, S.B. 2019. Mechanisms of Tree Mortality Following Douglas Fire Beetle Attack. USDA Forest Service – Rocky Mountain Research Station - \$15,510.00.
- Franklin, S.B. & Jane Monson. 2019. PhoPlot - A Photographic Database for Vegetation Plot-based Research. UNC RDFD - \$3,800.00.
- Franklin, S.B. 2018. Mechanisms of Tree Mortality Following Douglas Fire Beetle Attack. USDA Forest Service – Rocky Mountain Research Station - \$7020.00.
- McGlaughlin, M. & Franklin, S.B. 2016-2021. How local is necessary in plant restoration? Supporting Seeds of Success through modified restoration experiments. BLM - \$631,924.00.
- Franklin, S.B. 2016. Dynamics of a *Naturita* milkvetch population. Submitted to Red Rock Gathering through BLM - \$13,500.00 (Accepted but DELAYED).
- Franklin, S.B., Jozef Šibík & Pawel Olejniczak. 2015. Clonal plant response to disturbance in the High Tatras. UNC RDFD - \$9,250.00.
- ESA Vegetation Panel. 2015-8. Panel on Vegetation Classification of the Ecological Society of America: Education and Outreach, Peer Review and Data Management Processes for the National Vegetation Classification. Submitted through ESA to US Forest Service. Three years totaling \$593,970 (PENDING) – I wrote a bulk of this proposal and revised it with Panel input. We (i.e., ESA) were awarded first year (2015-16) funding of \$150,000 for USGS and USFS.
- Jiang, Mingxi & Scott B. Franklin. 2015. Community assembly of riparian corridors along the middle section of the Yangtze River. Chinese Academy of Sciences President's International Fellowship for Visiting Scientists. Four months; ~\$27,116.30 (168,000 RMB)
- Olimpo, Jeff, Lauryn Benedict, Sue -Ellen DeChenne, Ginger Fisher, Scott Franklin & Bisciah Munyaka. 2014-6. Impacting Student Learning by Reforming the Biology First-Year Experience. Provost I@UNC - \$52,866.
- Franklin, S.B., L. Benedict, R. Adams, S. Mackessey, G. Fisher, and M. McGlaughlin. 2012-3. Biodiversity of Aspen enclosures in Rocky Mountain National Park. RM-CESU, National Park Service - \$2134.00.
- Franklin, S.B. 2011-2013. Aspen regeneration following large-scale fire disturbance. National Park Service - \$12,187.00.

- Franklin, S.B. & R.K. Peet. 2011. Temporal Changes in Front Range Forests. University of Northern Colorado Provost Fund - \$8687.00.
- Franklin, S.B. 2011. European Vegetation Survey 20<sup>th</sup> Workshop. Provost Award for Travel - \$1810.00
- Hanson, Rachelle & Scott B. Franklin. 2010. Relationship Between Bamboo Dominance and Occurrence of Past Fires. BBB Biological Society - \$500.00.
- Franklin, Scott B. 2010. Classification of vegetation communities of the Short Grass Steppe LTER. NSF-ROA - \$18,400.00
- Franklin, Scott B. 2010. Influence of mechanical thinning, fire and mastication on the spatial structure of the forest floor. Boulder County Parks & Open Spaces - \$8700.00.
- Franklin, Scott B. 2009. Clonal integration of aspen stands. University of Northern Colorado Provost Fund - \$9760.00.
- Franklin, Scott B., S. Reza Pezeshki, Maciej Biernacki & John Preece. 2006. Restoration of Canebrake Ecosystems. National Fish & Wildlife Foundation - \$25,934.
- Ouellette John R., Michelle Correia, Scott B. Franklin, Frank T. van Manen, Brian J. Rude, Charles Brady, and Herb Roberts. 2006. Memphis Zoo's International Conservation Programs. USDA Forest Service - \$200,000.
- Rude, Brian J., John R. Ouellette, Xuehua Liu, Scott B. Franklin, Brian Baldwin, and Andy Kouba. 2006. Determining the Impact of Bamboo Harvest on Bamboo Stand Recruitment and Physiological Characteristics of Individual Ramets. Ocean Park Conservation Foundation, Hong Kong - \$27,228
- Franklin, Scott B. & John Ouellette. 2006. Regeneration of bamboo in relation to edges and herbivory; Year V. Memphis Zoological Association - \$57,488.00
- Kupfer, John A., Scott B. Franklin, S. Reza Pezeshki, Clifton Dixon, Jerry Griffith, George Raber & Carl Reese. 2005. Effects of Hurricane Katrina on southern Mississippi coastal forests and projected post-hurricane response: a multi-scale perspective. University of South Carolina - \$25,000.00.
- Franklin, Scott B., John Ouellette, Wei Wang & Caroline M. Davies. 2005. Regeneration of bamboo in relation to edges and herbivory; Year IV. Memphis Zoological Association - \$92,000.00.
- Franklin, Scott B., John Ouellette, Wei Wang & Caroline M. Davies. 2004. Regeneration of bamboo in relation to edges and herbivory; Year III. Memphis Zoological Association - \$32,660.00.
- Franklin, Scott B., John Ouellette, Wei Wang & Caroline M. Davies. 2003. Regeneration of bamboo in relation to edges and herbivory; Year II. Memphis Zoological Association - \$32,105.00.
- Ouellette, John R., Scott Franklin, Frank van Manen, Caroline Davies, Michael Pelton, Wang Wei, and Meghan Carr. 2002. Supporting the Memphis Zoo's Forest Health Activities Associated with the QinLing Mountains. USDA Forest Service International Programs - \$75,000.
- Margaret C. Cirtain, Scott B. Franklin, John E. Preece and Adam Turtle. 2002. Restoration of *Arundinaria gigantea* canebrakes (Year One). Memorandum of Understanding among UM, Strawberry Plains

- Audubon Society Wildlife Sanctuary and USFWS-\$3,000.00+internship.
- Franklin, Scott B., John Ouellette, Wei Wang & Caroline M. Davies. Regeneration of bamboo in relation to edges and herbivory. Conservation Action Network, Memphis Zoological Association - \$18,400.00.
- Kupfer, John A., George Malanson & Scott B. Franklin. Identify the Biodiversity Research Needs Related to Forest Fragmentation. National Commission on Science for Sustainable Forestry (NCSSF) – \$65,000.00.
- Grubaugh, Jack W., Matt Parris, Scott B. Franklin & Thad Wasklewicz. 2001. Improvements to the Edward J. Meeman Biological Field Station. National Science Foundation FSML - \$182,000.00.
- Wasklewicz, Thad & Scott B. Franklin. 2001. Sedimentation of a tributary stream into the Hatchie River, TN. The Nature Conservancy's Hatchie River Project. - \$8,200.00
- Franklin, Scott B. & Michael L. Kennedy. 2000. White-tailed deer browse impact study. Arnold Air Force Base - \$49,500.00.
- Franklin, Scott B., Reza Pezeshki, John A. Kupfer & John W. Smith. 1999. The Forest Communities and Hydrology of western Tennessee, Year II. US Army Corps Engineer Waterways Experiment Station, Environmental Laboratory - \$91,050.00.
- Franklin, Scott B. & John A. Kupfer. 1999. Restoration of a natural shortleaf pine community at Land Between The Lakes. Tennessee Valley Authority - \$14,500.00.
- Franklin, Scott B., John A. Kupfer, Jack Grubaugh & Michael Kennedy. 1998. Assessment of Biotic Diversity of Natchez Trace State Forest. Tennessee Department of Environment & Conservation, Natural Heritage Division - \$20,000.00.
- Franklin, Scott B. 1998. Ten Years of Change in a Natural Shortleaf Pine Forest. Center for Field Biology, Austin Peay State University - \$2,000.00.
- Franklin, Scott B., Reza Pezeshki, John A. Kupfer & John W. Smith. 1998. The Forest Communities and Hydrology of western Tennessee. US Army Corps Engineer Waterways Experiment Station, Environmental Laboratory - \$64,941.00.
- Franklin, Scott B. 1998. Assessing the seed pool of a natural shortleaf pine forest. The Center For Field Biology, APSU - \$2,500.00.
- Franklin, Scott B., Reza Pezeshki, John A. Kupfer & John W. Smith. 1997. Forest Communities and Hydrology of Stokes Creek Prior to Dechannelization. Tennessee Department of Environment and Conservation - \$10,464.00.
- Franklin, Scott B. 1994. Fire temperature heterogeneity in relation to litter biomass and height above ground in upland hardwood forests. Sigma Xi Grants-in-Aid of Research - \$450.00.
- Fralish, James S. & Scott B. Franklin. 1994. A general gradient model to describe the effects of disturbance on the central hardwood forest. Funded by U.S.D.A. Forest Service, North Central Forest Experiment Station, Columbia, MO - \$2030.00 (subsequently declined).
- Franklin, Scott B., Philip A. Robertson, Brian P. Klubek & James S. Fralish. 1994. Physiological diversity of soil microbial groups in burned upland hardwood forest stands. Funded by U.S.D.A.

Forest Service, Northeastern Forest Experiment Station,  
Jefferson City, MO - \$6,500.00.

Franklin, Scott B. 1994. Effects of fire on microorganism populations.  
Illinois State Academy of Sciences - \$125.00.

Robertson, Philip A. & Scott B. Franklin. 1990. Effect of Prescribed Burning  
on *Pinus echinata* and Associated Hardwoods at the Pine Hills  
Ecologic Area, Union County, Illinois. U.S.D.A. Forest Service,  
Shawnee Hills, IL - \$3000.00.

**Unfunded &  
Pending Projects**

Franklin, S. (Principal), Battaglia, M. (Co-Principal), Sibold, J. (Co-Principal), "Revision of *Pinus ponderosa* Management and Restoration in the Face of Climate Change," Sponsored by 2020 Park-funded Research, Technical Assistance and Education, State, \$48,258.07. (DECLINED)

Bywater-Reyes, S. (Co-Principal), Franklin, S. (Co-Principal). 2020. "Quantifying Russian Olive Invasion in the Powder River Basin," Sponsored by Montana Native Plant Society, State, \$3,000.00. (DECLINED)

Jarnevich, C. (Principal), Vorster, A. (Co-Principal), Bywater-Reyes, S. (Co-Principal), Franklin, S. (Co-Principal), 2020. "Quantifying Ecological and Hydrological Drivers of Russian Olive Invasion in the Powder River Watershed with Predictions of Future Changes and Ecosystem Impacts Under Climate Change," Sponsored by North Central Climate Adaptation Center, Federal, \$349,644.00. Submitted to USGS (DECLINED)

Romulo, Chelsie, Jennifer Parrish & Scott Franklin. 2018. Practical Training in Science Communication. Submitted to USDA's 2018 Higher Education Challenge Grants Program (DECLINED)

Khorsand, Roxaneh, Mitchell McGlaughlin & Scott B. Franklin. 2017. Pollen Flow Limitation in Disjunct Clonal Colorado Aspen Stands. Submitted to Colorado Divide Research Learning Center - \$29,863.00. (DECLINED)

Franklin, Scott B., Scott Esser & Mike Battaglia. 2016. Temporal and Spatial Patterns of *Pinus ponderosa* Forest Composition and Coarse Woody Debris in Colorado. NPS - Research Reserve Funds - \$56,419.00 (DECLINED)

Franklin, S.B., Jozef Šibík & Pawel Olejniczak. 2015. Clonal plant response to disturbance in the High Tatras. Submitted to National Geographic Society - \$16,650 (DECLINED)

McGlaughlin, Mitchell, Lacy Cleveland, Sue Ellen DeChenne, Greg DeKrey, Scott Franklin, Susan Keenan & Judith Leatherman. Improving Doctoral Education in Biology at the University of Northern Colorado, GAANN. Submitted to National Science Foundation: \$442,917 (DECLINED).

Franklin, S.B. & Claudia Regan. 2014. Temporal and Spatial Patterns of Montane Forest Composition and Coarse Woody Debris in Colorado. Submitted to BLM-JFSP – (DECLINED) \$73,775

Franklin, Scott B., Mario Bretfeld & Mitchell McGlaughlin. 2013. Pollen Flow Limitation in Disjunct Clonal Colorado Aspen Stands – DECLINED.

- Franklin, Scott B., Vladimir Douhovnikoff and John Kupfer. 2010. Pollen limitation in aspen stands. National Geographic Society (preliminary grant accepted/ DECLINED).
- Schiebout, Michael. 2010. Assessing the Status of Reclamation on the Shortgrass Steppe in Response to Aggregate Mining. Prairie Bioitic Research, Inc. \$1000 – DECLINED.
- Kupfer, John, Jerry Griffith, and Scott B. Franklin, Dept. of Biology, Univ. of Memphis. Integrating Field and Satellite-Based Measures of Ecosystem Resilience: Coastal Ecosystem Responses Following Hurricane Katrina. \$182,000 – DECLINED.
- Franklin, Scott B., Claudia Regan, and John Kupfer. 2009. Synergistic Disturbances in Forest Communities. USDI BLM Joint Fire Science Program New Science Initiative-Fire Ecology. \$150,000 DECLINED
- Moore, James, Jack W. Grubaugh, and Scott B. Franklin. 2008. Tests of the controlling factors of plant community assembly following disturbance. National Science Foundation – Doctoral Dissertation Improvement Grant. DECLINED
- Mitchell McGlaughlin and Scott Franklin. 2009/2010. Colorado and the Southern Rocky Mountain Region online herbarium project. IMLS - \$31,000.00 – DECLINED two consecutive years.
- Franklin, Scott. B. 2009. Conservation of bamboo forest and giant panda using historical vegetation change. FRPB Small Grants Program. DECLINED

**Professional  
Consultation:**

- 1999-2000.** Regional Extirpation Risk Synoptic Assessment, Environmental Protection Agency.
- 1997.** Hydrogeomorphic (HGM) approach to assessing wetland functions; site delineation and data collection for the US Army Corps of Engineers Waterways Experiment Station, Vicksburg, MS; contact was Dan Smith.
- 2014.** Rocky Mountain National Park Biodiversity Workshop.

**Professional  
Association  
Participation:**

- Vice-Chair*, SE Chapter Ecological Society of America (1999-2001)
- Ecological Society of America Meetings Committee (2003-2010)
- Journal Reviews (continuous; regional, national, and international)
- Co-chair*, Association of Southeastern Biologists Annual Meeting (2004)
- Member-at-large*, Association of Southeastern Biologists (2004-2007)
- Vice-chair*, Vegetation Section, Ecological Society of America (2004-2005)
- Chair*, Vegetation Section, Ecological Society of America (2005-2007)
- Local Host*, Ecological Society of America Annual Meeting (2006)
- Guest Editor, *Southeastern Naturalist* (2006)

Vegetation Ecology Associate Editor, *The American Midland Naturalist* (2006-2022)

*Geography Compass* Editorial Board for Biogeography Group (2010-2013)

*Chair*, Ecological Society of America Historical Records Committee (2010)

*Chair*, Ecological Society of America Panel on Vegetation Classification (2012-2019; member since 2007) – currently on Executive Panel

*Program Chair*, Ecological Society of America 2009 annual meeting

Chair of Steering Committee Member and Founding Member of the IAVS Vegetation Classification Working Group (2015-2022)

Editorial Board, *Phytocoenologia* (2016-present)

**Community  
Service:**

Appointed to *Natural Areas Advisory Committee* by the Commissioner of the Tennessee Department of Environment and Conservation (1999-2003)

Hosted Foresters from China learning wetland restoration techniques (2005)

Helped with training program for Audubon Society Naturalist Program (2006-2008)

Board Member Pink Palace Museum (2007-2008)

Judge for Science Fair in local schools (1998-2006, UNC - 2009, 2013-5, 2017)

Field course for Rocky Mountain Conservancy (2017 – Fire Ecology)

Visited local schools to discuss career in academics (2008)

Habitat for Humanity and Handicap Ramp Program (2005-2008)

Judge ‘Caring for Watershed’ proposal, Poudre Learning Center, 2011-2015

Participated in collaboration between RMNP researchers and local educators. *Take It Outside: Adding Value to Science Education through Active Park Research*, 2017

**University Service:**

(MEMPHIS) University Committees

University Grievance Committee (2 years)

(MEMPHIS) College Committees

Technology Access Fees Advisory Committee (2 years)

Undergraduate Studies Committee (1 year)

(MEMPHIS) Departmental Committees

Graduate Studies Committee (2 years)

Undergraduate Studies Committee (2000-2008)



Scholarship Committee (3 years; chaired one year)  
Edward J. Meeman Biological Station Advisory Committee (1998 - 2008)

(UNC) Departmental Committees

Undergraduate Committee (2008-present, current Chair)  
School Evaluation Committee (2012-2015, co-chair 2017-present)  
Search Committee, Plant Physiologist (2011-2012)  
Search Committee, Biological Education (2012-2013)

(UNC) College Committees

Academic Restructuring Committee (2009-2010)  
Search Committee, Associate Dean (2011-2012)  
MAST Institute Advisory Board (2105-present)  
Faculty Mentor (2015-2018)

(UNC) University Committees

Faculty Senate, Faculty Welfare Committee (2012-2015)  
Faculty Perceptions of Administrators Committee (2014-2015)  
Undergraduate Curriculum Committee (2017-present, current Chair)

**Graduate Student  
Committees:**

*Doctoral previous:*

2017 Randi Lupardus (VOCs and wells), **Advisor**  
2014 Mario Bretfeld (Aspen ecology), **Advisor**  
2012 Michael Schiebout (Restoration of shortgrass steppe vegetation following mining), **Advisor**  
2011 James Moore (Community Assembly on Mississippi River Islands), **Co-advisor**  
2009 Margaret Certain (Ecology of Canebrakes and Canebrake Restoration), **Advisor**  
2006 Wei Wang (Regeneration of bamboo forests in China), **Advisor**

*PhD Current:*

Amanda Bevan, **Co-Advisor**

*Master's previous:*

2022 Justin Yow (Topo-climatic Effects on Fuel Loading in Ponderosa Pine (*Pinus ponderosa*) Forests), **Advisor**  
2021 Erin Klakulak (Sagebrush Recovery from Grazing), **Advisor**  
2020 Robert Walker (Beetle Impact on Douglas-fir), **Advisor**  
2019 Gwen Schneider (2019) Intraspecific Functional Trait Diversity in Big Sagebrush-Associated Species and Implications for Ecological Restoration, **Advisor**  
2013 Daniel Beverly (Impacts of Mountain Pine Beetle and Subsequent Forest Management on Soil CO<sub>2</sub> Efflux), **Advisor**  
2011 Nathan Kirkley (Effects of thinning treatments on ponderosa pine understory communities), **Advisor**  
2011 Courtney Rayle (Examining bamboo-fire relationships through soil phytoliths and charcoal), **Advisor**  
2008 Josh Koontz (The Effects of Prescribed Fire on a Riparian Zone at Land Between The Lakes, Kentucky and Tennessee), **Advisor**  
2003 Chad Pope (Effect of disturbance intensity and frequency on old field succession), **Advisor**  
2003 Margaret Certain (Restoration of giant cane through tissue culture),

2000 Kimberly Augenfeld (Effects of shelterwood logging on avian species composition and diversity), **Advisor**  
2000 Kevin Claridge (Effects of light and nutrients on resource allocation in *Microstegium vimineum*), **Advisor**  
2000 Amy Webbeking (The spatio-temporal variance of *milpa* vegetation recovery in Belize), **Advisor**

*MS Current:*

Jordan Conley (), **Advisor**  
Raymond Erskine (), **Advisor**

**MS and PhD Committee member of:** Roger Baldwin, Gerald Bresower, Chris Brown, Haylie Brown (ESI), Leighann Campbell, Abby Davidson, Mitch Elcan, Jason Farmer, Ryan Fuller, Karla Gage, Violeta Garcia, Justin Giese, Michelle Gilley, Emily Greer, Mark Hayes, Laura Heiker, Heidi Hopkins, Ashley Hubbard, Kimberly Kaufeld (STAT), Msc. Simona Klačanová (Inst. Bot, Slovakia), Laurie Leach, Melissa Lee, Shuwen Li, Lili Martin, Diana Outlaw, Stephanie Pitt, Tony Potthoff, Steve Schaff, Michael Thron, Nat Warning, John Wilker, Rebecca Spurlock, Drew Stickert, Branson Wetzstein, and Matt Willey.

**Professional  
Development  
Activities:**

Fall, 2006 – Sabbatical to help develop techniques for studying clonal integration (included short trip to China)

Summer 2013 - HHMI/National Academies Regional Mountain West Summer Institute on Undergraduate Education in Biology

Academic Year 2015-16 – Sabbatical to study hydrological dynamics and plant communities on riverine islands of the Yangtze River, China & Study of Clonal Plant Responses to Large-scale Wind Disturbances in the High Tatras, Slovakia/Poland.

Academic Semester Fall 2019 – SciFund Video Course, LTER, UCSB

Academic Year 2021-2022 – HHMI Inclusive Excellence Workshop

Summer – Fall 2022 – Colorado Sustainable Regional Systems (CO SRS-RN) Development Workshop

**Honors and  
Awards:**

2006 Cooper Award, Best Paper in Geography, Association of American Geographers.

2010 First Year Scholars Outstanding Faculty

2010 *Nominated* by School for NHS Excellence in Teaching Award

2012 NHS Faculty Mentor of the Year, Undergraduate Research

2013-4 *Nominated* by School for NHS Faculty Excellence Award in Graduate Research Mentoring

