

MOFEP woody vegetation project publications

1990-2022

- Baucom, D.L. 2005. *Armillaria* species in the Missouri Ozark Forests. Master's thesis, University of Missouri. Columbia, MO.
- Bresee, M. K. 2004. Photosynthetic characteristics of dominant tree species in two climatically different landscapes. Master's Thesis, University of Toledo. Toledo, OH.
- Brookshire, B.L. and D.C. Dey. 2000. Establishment and data collection of vegetation-related studies on the Missouri Ozark Forest Ecosystem Project study sites. p.1-18. *In*: S. R. Shifley and B.L. Brookshire (eds.) Missouri Ozark Forest Ecosystem Project: site history, soils, landforms, woody and herbaceous vegetation, down wood, and inventory methods for the landscape experiment. General Technical Report NC-208. St. Paul, MN: U.S. Department of Agriculture, Forest Service, North Central Forest Experiment Station: 314p.
- Brookshire, B.L. and Hauser, C. 1993. The Missouri Ozark Forest Ecosystem Project: The effects of Forest Management on the Forest Ecosystem. *In*: Gillespie, A. R.; Parker, G. R.; Pope, P E.; Rink, G.: eds. Proceedings of the 9th Central Hardwood Forest Conference; Gen. Tech. Rep. NC-161. St. Paul, MN: U.S. Department of Agriculture, Forest Service, North Central Forest Experiment Station: 289-307.
- Bruhn, J.N., Dey, D.C., Kromroy, K.K., Mihail, J.D., Kabrick, J.M., and Wetteroff Jr., J.J. 2004. *Armillaria* root disease affects oak coppice regeneration in upland Missouri Ozark forests. *In*: Proceedings of the 11th International Conference on Root Rot Diseases of Forest trees, Poznan and Bialowiesca, Poland, 15-22 August 2004.
- Bruhn, J.N., Johnson, T.E., Karr, A.L., and Wetteroff, J.J., Jr., and Leininger, T.D. 1998. Use of isozymes and mycelial growth characteristics to identify Ozark *Armillaria* field isolates. *Mycopathologia* 142:89-96.
- Bruhn, J.N., and Mihail, J.D. 2001. *Armillaria* species in Ozark landscapes. *Phytopathology* 91 (6): S156.
- Bruhn, J.N., Mihail, J.D., and Leininger, T.R. 2000. Soil moisture and oxygen levels affect *Armillaria tabescens* rhizomorph generation. *Phytopathology* 90 (6): S11.
- Bruhn, J.N., Wetteroff, J.J., Jr., Mihail, J.D., and Burks, S. 1997. Determination of the ecological and geographic distributions of *Armillaria* species in Missouri Ozark forest ecosystems. Pages 259-275 *In*: Brookshire, B.L. and S. R. Shifley (eds.) Proceedings of the Missouri Ozark Forest Ecosystem Project: an experimental approach to landscape research, St. Louis, Missouri, 3-5 June 1997. General Technical Report NC-193. St. Paul, MN: U.S. Department of Agriculture, Forest Service, North Central Forest Experiment Station: 378p.

- Bruhn, J.N., Wetteroff, J.J. Jr., Mihail, J.D., Jensen, R.G., and Pickens, J.B. 2000. Characteristics of harvest disturbance within tree populations in upland Ozark forests of MOFEP. *Phytopathology* 90 (6): S10.
- Bruhn, J.N., Wetteroff, J.J., Jr., Mihail, J.D., Jensen, R.G., and Pickens, J.B. 2002. Harvest-associated disturbance in upland Ozark forests of MOFEP. Pages 130-146 In: Shifley, S.R. and J.M. Kabrick (eds.), *Proceedings of the Second Missouri Ozark Forest Ecosystem Symposium: Post treatment results of the landscape experiment*. USDA For. Serv. General Technical Report NC-227.
- Bruhn, J.N., Wetteroff, J.J., Jr., Mihail, J.D., Kabrick, J.M., and Pickens, J.B. 2000. Distribution of *Armillaria* species in upland Ozark Mountain forests with respect to site, overstory species composition and oak decline. *Forest Pathology* 30:43-60.
- Chen, J., M. Xu, and K.D. Brosofske. 1997. Microclimatic characteristics in southeastern Missouri's Ozarks. p.122-135. In: Brookshire, B.L. and S. R. Shifley (eds.) *Proceedings of the Missouri Ozark Forest Ecosystem Project: an experimental approach to landscape research*, St. Louis, Missouri, 3-5 June 1997. General Technical Report NC-193. St. Paul, MN: U.S. Department of Agriculture, Forest Service, North Central Forest Experiment Station: 378p.
- Chen, J., Xu, J., Jensen, R., Kabrick, J. 2015. Changes in aboveground biomass following alternative harvesting in oak-hickory forests in the eastern USA. *iForest* 8: 652-660.
- Dey, D.C. and R.G. Jensen. 2000. Stump sprouting potential of oaks in Missouri Ozark forests managed by even- and uneven-aged silviculture. p.102-113. In: S. R. Shifley and J. M. Kabrick (eds.) *Proceedings of the second Missouri Ozark Forest Ecosystem Symposium: post treatment results of the landscape experiment*. October 17-20, 2000; St. Louis, MO. General Technical Report NC-227. St. Paul, MN: U.S. Department of Agriculture, Forest Service, North Central Forest Experiment Station: 228p.
- Dwyer, J.P. 1999. Logging impact in uneven-aged stands of the Missouri Ozark Forest Ecosystem Project. In: *Proceedings Society of American Foresters 1999 national convention*; 1999 September 11-15; p. 210-222.
- Dwyer, J.P., D.C. Dey, W.D. Walter, and R.G. Jensen. 2004. Harvest impacts in uneven-aged and even-aged Missouri Ozark forests. *Northern Journal of Applied Forestry* 21(4):187-193.
- Fan, Z.; Larsen, D. R.; Shifley, S. R.; Thompson, F.R. 2003. Estimating cavity tree abundance by stand age and basal area, Missouri, USA. *Forest Ecology and Management*. 179(1-3): 231-242.
- Fan, Z.; S.R. Shifley; M.A. Spetich; F.R. Thompson, III; D.R. Larsen. 2003. Distribution of cavity trees in midwestern old-growth and second-growth forests. *Canadian Journal of*

- Forest Research. 33(8): 1481-1494.
- Fan, Z.; S.R. Shifley; M. A. Spetich; F. R. Thompson, III; David R. Larsen. 2005. Abundance and size distribution of cavity trees in second-growth and old-growth Central Hardwood Forests. *Northern Journal of Applied Forestry* 22(3): 162-169.
- Fan, Z.; S.R. Shifley; F.R. Thompson, III; D. R. Larsen. 2004. Simulated cavity tree dynamics under alternative timber harvest regimes. *Forest Ecology and Management* 193(1-2) 399-412.
- Fan, Z.; S.R. Shifley; F.R. Thompson, III; D.R. Larsen. 2004. Simulating the Effect of Landscape Size and Age Structure on Cavity Tree Density Using a Resampling Technique. *Forest Science*, 50(5): 603–609.
- Fan, Zhaofei; Kabrick, John M.; Spetich, Martin A.; Shifley, Stephen R.; Jensen, Randy G. 2008. Oak mortality associated with crown dieback and oak borer attack in the Ozark Highlands. *Forest Ecology and Management* 255: 2297–2305.
- Fan, Zhaofei; Yao, Qi; Dey, Daniel; Spetich, Martin; Ezell, Andrew; Shifley, Stephen; Kabrick, John; Jensen, Randy. 2015. Efficacy and associated factors of even- and uneven-aged management to promote oak regeneration in the Missouri Ozarks. *Forest Science*. 61(2): 397-408.
- Forkner, R. E. and R. J. Marquis. 2004. Uneven-aged and even-aged logging alter foliar phenolics of oak trees remaining in forested habitat matrix. *Forest Ecology and Management*. 199: 21-37.
- Good, G.T.; Knapp, B.O.; Vickers, L.A.; Larsen, D.R.; Kabrick, J.M. 2017. Evaluation of sapling height and density after clearcutting and group selection in the Missouri Ozarks. In: Kabrick, J.M.; Dey, D.C.; Knapp, B.O.; Larsen, D.R.; Shifley, S.R.; Stelzer, H.E., eds. *Proceedings of the 20th Central Hardwood Forest Conference; 2016 March 28-April 1; Columbia, MO. General Technical Report NRS-P-167. Newtown Square, PA: U.S. Department of Agriculture, Forest Service, Northern Research Station: 78-86.*
- Gram, W. K., and V.L. Sork. 2001. Association between environmental and genetic heterogeneity in forest tree populations. *Ecology* 82(7): 2012-2021.
- Gram, W. K., and V. L. Sork. 1999. Population density as a predictor of genetic variation for woody plant species. *Conservation Biology* 13(5): 1079-1087.
- Gustafson, E. J., S. R. Shifley, D. J. Mladenoff, K.K. Nimerfro, and H. S. He. 2000. Spatial simulation of forest succession and timber harvesting using LANDIS. *Canadian J. Forestry Research* 30:32-43
- Guyette, R., and J.M. Kabrick. 2000. The legacy and continuity of forest disturbance, succession, and species at the MOFEP sites. In: Shifley S.R., and J.M. Kabrick. eds. *Proceedings of*

the Second Missouri Ozark Forest Ecosystem Project Symposium: Post-treatment Results of the Landscape Experiment; 2000 October 17-18; St. Louis, MO. General Technical Report NC-227. St. Paul, MN: U.S. Department of Agriculture, Forest Service, North Central Forest Research Station.

- Guyette, R.P. R.M. Muzika, J. Kabrick. M. Stambaugh. 2004. A perspective on *Quercus* life history characteristics and forest disturbance. In: (Spetich, M.A. ed.) Upland Oak Ecology Symposium: history current conditions, and sustainability. Gen. Tech. Rep. SRS-73. Asheville, NC: U.S. Depart. of Agriculture, Forest Service Southern Res. Stat. 311 p.
- Jensen, Randy G. 2000. Pre-treatment woody vegetation inventory protocols. pp 134-147. In: Shifley, Stephen R.; Brookshire, Brian L.; eds. Missouri Ozark Forest Ecosystem Project Site History, Soils, Landforms, Woody and Herbaceous Vegetation, Down Wood, and Inventory Methods for the Landscape Experiment. Gen. Tech. Rep. NC-208. St. Paul, MN: U.S. Department of Agriculture, Forest Service, North Central Research Station.
- Jensen, Randy G.; Kabrick, John M. 2008. Comparing single-tree selection, group selection, and clearcutting for regenerating oaks and pines in the Missouri Ozarks. In: Jacobs, Douglass F.; Michler, Charles H., eds. 2008. Proceedings, 16th Central Hardwood Forest Conference; 2008 April 8-9; West Lafayette, IN. Gen. Tech. Rep. NRS-P-24. Newtown Square, PA: U.S. Department of Agriculture, Forest Service, Northern Research Station: 38-49.
- Jensen, Randy G.; Kabrick, John M. 2014. Following the fate of harvest-damaged trees 13 years after harvests. In: Groninger, John W.; Holzmueller, Eric J.; Nielsen, Clayton K.; Dey, Daniel C., eds. Proceedings, 19th Central Hardwood Forest Conference; 2014 March 10-12; Carbondale, IL. General Technical Report NRS-P-142. Newtown Square, PA: U.S. Department of Agriculture, Forest Service, Northern Research Station: 199-200.
- Jensen, R. G., J. M. Kabrick, and E. K. Zenner, 2002. Tree cavity estimation and verification in the Missouri Ozarks. Pages 114–129 in S. R. Shifley and J. M. Kabrick, editors. Proceedings of the second Missouri Ozark Forest Ecosystem Project Symposium: Post-treatment results of the landscape experiment. Gen. Tech. Rep. NC-227. USDA Forest Service North Central Forest Experiment Station, St. Paul, MN.
- Kabrick, John M. Fan, Zhaofei; Shifley, Stephen R. 2007. Red oak decline and mortality by ecological land type in the Missouri Ozarks. e-Gen. Tech. Rep. SRS-101. U.S. Department of Agriculture, Forest Service, Southern Research Station: 181-186.
- Kabrick, J. M., R. G. Jensen, S. R. Shifley, and D. R. Larsen, 2002. Woody vegetation following even-aged, uneven-aged, and no-harvest treatments on the Missouri Ozark Forest Ecosystem Project Sites. Pages 84– 101 in S. R. Shifley and J. M. Kabrick, editors. Proceedings of the second Missouri Ozark Forest Ecosystem Project Symposium: Post-treatment results of the landscape experiment. Gen. Tech. Rep. NC-227. USDA Forest Service North Central Forest Experiment Station, St. Paul, MN.

- Kabrick, J. M., D. R. Larsen, and S. R. Shifley, 1997. Analysis of pre-treatment woody vegetation and environmental data for the Missouri Ozark Forest Ecosystem Project. Pages 150–168 *in* B. L. Brookshire and S. R. Shifley, editors. Proceedings of the Missouri Ozark Forest Ecosystem Project Symposium: an experimental approach to landscape research. Gen. Tech. Rep. NC-193. USDA Forest Service North Central Experiment Station, St. Paul, MN.
- Kabrick, J. M., Renken, R. B., Kurzejeski, E. W., Jensen, R. G., Gram, W. K., Clawson, R. L., Porneluzi, P. A., Faaborg, J., Fantz, D. K., Grabner, J., Johanson, M. 2004. The Missouri Ozark Forest Ecosystem Project: Findings from Ten Years of Evaluating Management Effects on Forest Systems In: Yaussy, Daniel A.; Hix, David M.; Long, Robert P.; Goebel, P. Charles, eds. Proceedings, 14th Central Hardwood Forest Conference; 2004 March 16-19; Wooster, OH. Gen. Tech. Rep. NE-316. Newtown Square, PA: U.S. Department of Agriculture, Forest Service, Northeastern Research Station: 484-496.
- Kabrick, J.M., S.R. Shifley, R. G. Jensen, Z. Fan, and David R. Larsen. 2004. Factors associated with oak mortality in Missouri Ozark Forests. Pp 27-35. In: Yaussy, Daniel A.; Hix, David M.; Long, Robert P.; Goebel, P. Charles, eds. 2004. Proceedings. 14th Central Hardwood Forest Conference; 2004 March 16-19; Wooster, OH. Gen. Tech. Rep. NE-316. Newtown Square, PA: U.S. Department of Agriculture. Forest Service. Northeastern Research Station. 539 p.
- Kabrick, J. M., Zenner, E. K., Dey, D. C., Gwaze, D., Jensen, R.G. 2008. Using ecological land types to examine landscape-scale oak regeneration dynamics. *Forest Ecology and Management*. 255: 3051-3062.
- Knapp, B., Maginel, C., Graham, B., Kabrick, J., and Dey, D. 2022. Escaping the fire trap: Does frequent, landscape-scale burning inhibit tree recruitment in a temperate broadleaf ecosystem? *Forest Ecology and Management*. 513: 120191
- Larsen, D.R. 1997. Simulated long-term effects of the MOFEP cutting treatments. p.347-355. *In*: Brookshire, B.L. and S. R. Shifley (eds.) Proceedings of the Missouri Ozark Forest Ecosystem Project: an experimental approach to landscape research, St. Louis, Missouri, 3-5 June 1997. General Technical Report NC-193. St. Paul, MN: U.S. Department of Agriculture, Forest Service, North Central Forest Experiment Station: 378p.
- Larsen, D. R.; Kabrick, J. M.; Shifley, S. R.; Jensen, R. G. 2017. Forest Dynamics at the Missouri Ozark Forest Ecosystem Project viewed through stocking diagrams. In: Kabrick, John M.; Dey, Daniel C.; Knapp, Benjamin O.; Larsen, David R.; Shifley, Stephen R.; Stelzer, Henry E., eds. Proceedings of the 20th Central Hardwood Forest Conference; 2016 March 28-April 1; Columbia, MO. General Technical Report NRS-P-167. Newtown Square, PA: U.S. Department of Agriculture, Forest Service, Northern Research Station: 211-220.

- Lee, C. A. 2016. The ecology of root disease fungi in Missouri Forests. Dissertation, University of Missouri. Columbia, MO.
- Lootens, J. 2005. Estimation of total height, growth, and mortality of forest trees in Missouri. Master's Thesis, University of Missouri. Columbia, MO.
- Maginel, C. J.; Knapp, B. O.; Kabrick, J. M.; Muzika, R. 2019. Landscape- and site-level responses of woody structure and ground flora to repeated prescribed fire in the Missouri Ozarks. *Canadian Journal of Forest Research*. 49(8): 1004-1014.
- Marquis, R.J., Lill, J.T., Forkner, R.E., Le Corff, J., Landosky, J.M., and Whitfield, J.B. 2019. Declines and Resilience of Communities of Leaf Chewing Insects on Missouri Oaks Following Spring Frost and Summer Drought. *Frontiers in Ecology and Evolution*. 7:396.
- Mihail, J.D., and Bruhn, J.N. 2005. Foraging behaviour of *Armillaria* rhizomorph systems. *Mycological Research* 109: 1195-1207.
- Mihail, J.D., and Bruhn, J.N. 2007. Bioluminescence of the fungi *Armillaria gallica*, *A. mellea*, and *A. tabescens*. *Mycologia* 99(3): 341-350.
- Mihail, J.D., and Bruhn, J.N. 1995. Using fractal geometry to compare rhizomorph foraging strategies among six *Armillaria* species. *Phytopathology* 85: 1127.
- Mihail, J.D., Bruhn, J.N., and Leininger, T.R. 2002. The effects of moisture and oxygen availability on rhizomorph generation by *Armillaria tabescens* in comparison with *A. gallica* and *A. mellea*. *Mycological Res.* 106:697-704.
- Mihail, J.D., Bruhn, J.N., and T.D. Leininger. 2001. Rhizomorph generation by three *Armillaria* spp. under high O₂ availability and saturation. *Phytopathology* 91 (6): S62.
- Mihail, J.D., Obert, M., Bruhn, J.N., and Taylor, S. 1995. Fractal geometry of mycelia and rhizomorphs of *Armillaria* species. *Mycological Res.* 99:81-88.
- Olson, M.G.; Knapp, B. O.; Kabrick, J. M. 2017. Dynamics of a temperate deciduous forest under landscape-scale management: Implications for adaptability to climate change. *Forest Ecology and Management*. 387: 73-85.
- Olson, M. G.; Stevenson, A.P.; Knapp, B.O.; Kabrick, J.M.; Jensen, R.G. 2014. Is there evidence of mesophication of oak forests in the Missouri Ozarks?. In: Groninger, J.W.; Holzmüller, E. J.; Nielsen, C.K.; Dey, D.C., eds. Proceedings, 19th Central Hardwood Forest Conference; 2014 March 10-12; Carbondale, IL. General Technical Report NRS-P-142. Newtown Square, PA: U.S. Department of Agriculture, Forest Service, Northern Research Station: 139-153.
- Olson, M., A. Wolf, and R. Jensen. 2015. Influence of forest management on acorn production in the southeastern Missouri Ozarks: Early results of a long-term ecosystem experiment.

Open Journal of Forestry 5:568–583.

- Pallardy, S.G. 1995. Vegetation analysis, environmental relationships, and potential successional trends in the Missouri forest ecosystem project. In: Gottschalk, K.W.; Fosbroke, S.L. C., ed. Proceedings, 10th Central Hardwood Forest Conference; 1995 March 5-8; Morgantown, WV.: Gen. Tech. Rep. NE-197. Radnor, PA: U.S. Department of Agriculture, Forest Service, Northeastern Forest Experiment Station: 551-562.
- Roovers, L.M. 2000. Woody vegetation characteristics by site and plot. p.173-304. *In*: S. R. Shifley and B.L. Brookshire (eds.) Missouri Ozark Forest Ecosystem Project: site history, soils, landforms, woody and herbaceous vegetation, down wood, and inventory methods for the landscape experiment. General Technical Report NC-208. St. Paul, MN: U.S. Department of Agriculture, Forest Service, North Central Forest Experiment Station: 314p.
- Shifley, S. R., B. L. Brookshire, D. R. Larsen, L. A. Herbeck. 1997. Snags and down wood in Missouri old-growth and mature second-growth forests. *Northern Journal of Applied Forestry* 14:165-172.
- Shifley, S. R.; Fan, Z.; Kabrick, J.M.; Jensen, R.G. 2006. Oak mortality risk factors and mortality estimation. *Forest Ecology and Management* 229:16-26
- Shifley, S. R., L. M. Roovers, R. G. Jensen. and D. R. Larsen. 2000. Composition and structure of woody forest vegetation in the Missouri Forest Ecosystem Project. p. 71-106 *In*: Shifley, S. R and B. L. Brookshire (eds.). Missouri Ozark Forest Ecosystem Project: site history, soils, landforms, woody and herbaceous vegetation, down wood, and inventory methods for the landscape experiment. General Technical Report NC-208 St. Paul, MN. U.S. Department of Agriculture, Forest Service, North Central Forest Experiment Station. 314p
- Shifley, S. R., F. R. Thompson III, D. R. Larsen, W. D. Dijak. 2000. Modeling forest landscape change in the Missouri Ozarks under alternative management practices. *Computers and Electronics in Agriculture* 27:7-24.
- Shifley, S. R., F. R. Thompson III, D. R. Larsen, D. J. Mladenoff. 1997. Modeling forest landscape change in the Ozarks: guiding principles and preliminary implementation. p. 231-241 *In*: Pallardy, S. G., R. A. Cecich, H. G. Garrett, and P. S. Johnson (eds.). 11th Central Hardwood Forest Conference Proceedings, March 23-26, Columbia, MO. General Technical Report NC-188. U.S. Department of Agriculture Forest Service, North Central Forest Experiment Station, St. Paul, MN. 410p.
- Shifley, S. R., F. R. Thompson III, D. R. Larsen, D. J. Mladenoff, and E. J. Gustafson. 2000. Utilizing Inventory Information to Calibrate a Landscape Simulation Model. pp. 549-561 *In*: Hansen, M. and T. Burk (eds.) Integrated Tools for Natural Resources Inventories in the 21st Century: proceedings of the IUFRO conference. Aug 16-20, Boise ID. U.S. Department of Agriculture Forest Service General Technical Report NC-212. U.S.

Department of Agriculture Forest Service, North Central Forest Experiment Station, St. Paul, MN. 743p.

- Singh, G.; Goynes, K.W.; Kabrick, J.M. 2015. Determinants of total and available phosphorus in forested Alfisols and Ultisols of the Ozark Highlands, USA. *Geoderma Regional*. 5: 117-126.
- Sork, V.L., A. Koop, M.A. de la Fuente, P. Foster, and J. Raveill. 1997. Patterns of genetic variation in woody plant species in the Missouri Forest Ecosystem Project. p.231-247. *In*: Brookshire, B.L. and S. R. Shifley (eds.) *Proceedings of the Missouri Ozark Forest Ecosystem Project: an experimental approach to landscape research*, St. Louis, Missouri, 3-5 June 1997. General Technical Report NC-193. St. Paul, MN: U.S. Department of Agriculture, Forest Service, North Central Forest Experiment Station: 378p.
- Sork, V.L.; Smouse, P.E.; Apsit, V.J.; Dyer, R.J.; Westfall, R.D. 2005. A two-generation analysis of pollen pool genetic structure in flowering dogwood *Cornus florida* (Cornaceae), in the Missouri Ozarks. *American Journal of Botany* 92(2):262-271.
- Spetich, M. A., S. R. Shifley and G. R. Parker. 1999. Regional distribution and dynamics of coarse woody debris in temperate deciduous old-growth forests. *Forest Science*. 45-302-313.
- Spetich, M. A.; Fan, Z.; Fan, X.; He, H.; Shifley, S.R.; Moser, W. K. 2011. Risk factors of oak decline and regional mortality patterns in the Ozark Highlands of Arkansas and Missouri. *In*: Potter, K.M.; Conkling, B.L., eds. 2012. *Forest health monitoring: 2009 national technical report*. Gen. Tech. Rep. SRS-GTR-167. Asheville, NC: U.S. Department of Agriculture Forest Service, Southern Research Station. 199-202.
- Spetich, M.A.; Fan, Z.; He, H.S.; Wang, W.J.; Crosby, M.K.; Shifley, S.R. 2016. Oak decline across the Ozark Highlands- from stand to landscape and regional scale processes. *In*: *Proceedings of the 18th biennial southern silvicultural research conference*. e-Gen. Tech. Rep. SRS-212. Asheville, NC: U.S. Department of Agriculture, Forest Service, Southern Research Station. 641. P.
- Spratt, Jr., H.G. 2002. The impact of timber harvest on surface soil microbial community activity in clearcut Missouri Ozark Forest Ecosystem plots. p.197-212. *In*: S. R. Shifley and J. M. Kabrick (eds.) *Proceedings of the second Missouri Ozark Forest Ecosystem Symposium: post treatment results of the landscape experiment*. October 17-20, 2000; St. Louis, MO. General Technical Report NC-227. St. Paul, MN: U.S. Department of Agriculture, Forest Service, North Central Forest Experiment Station: 228p.
- Spratt, Jr., H.G. 1997. Aspects of carbon and sulfur transformations in MOFEP surface soils. p.69-105. *In*: Brookshire, B.L. and S. R. Shifley (eds.) *Proceedings of the Missouri Ozark Forest Ecosystem Project: an experimental approach to landscape research*, St. Louis, Missouri, 3-5 June 1997. General Technical Report NC-193. St. Paul, MN: U.S. Department of Agriculture, Forest Service, North Central Forest Experiment Station:

378p.

- Stambaugh, M.C., R.P. Guyette. 2004. The long-term growth and climate response of shortleaf pine at the Missouri Ozark Forest Ecosystem Project. In:(Yaussy et al. eds.) The Proceeding of the 14th Central Hardwoods Conference, Delaware, Ohio. USDA Forest Service General Technical Report NE-316 . pp 448-458.
- Sun, X.; He, Z.; Kabrick, J. 2008. Bayesian spatial prediction of the site index in the study of the Missouri Ozark Forest Ecosystem Project. *Computational Statistics and Data Analysis*. 52: 3749-3764.
- Treiman, Thomas; Dwyer, John; Larsen, David. 2005. Long-Term Economic Simulation: Even-aged and Uneven-aged Examples from the Missouri Ozark Forest Ecosystem Project (MOFEP). *N. J. of Appl. For.* 23(1): 42-47.
- Vangilder, L. D., 1997. Acorn Production on the Missouri Ozark Forest Ecosystem Project Study Sites: Pre-treatment Data. Pages 198–209 *in* B. L. Brookshire and S. R. Shifley, editors. *Proceedings of the Missouri Ozark Forest Ecosystem Project Symposium: an experimental approach to landscape research*. Gen. Tech. Rep. NC-193. USDA Forest Service North Central Experiment Station, St. Paul, MN.
- Vickers, L. A.; Larsen, D. R.; Dey, D. C.; Knapp, B. O.; Kabrick, J. M. 2017. The impact of overstory density on reproduction establishment in the Missouri Ozarks: models for simulating regeneration stochastically. *Forest Science*. 63(1): 71-86.
- Vickers, L.A.; Larsen, D.R.; Knapp, B.O.; Kabrick, J.M.; Dey, D.C. 2014. The impact of overstory density on sapling height growth in the Missouri Ozarks: implications for interspecific differentiation during canopy recruitment. *Canadian Journal of Forest Research*. 44(11): 1320-1330.
- Xu, M., J. Chen, and B.L. Brookshire. 1997. Temperature and its variability in the oak forests of Southeast Missouri's Ozarks. *Climate Research* 8(3): 209-223.
- Xu, M., Chen, J., and Y. Qi. 2002. Growing-season temperature and soil moisture along a 10km transect across a forested landscape. *Climate Research* 22:57-72.
- Xu, M., Y. Qi, J. Chen, and B. Song. 2004. Scale-dependent relationships between landscape structure and microclimate. *Plant Ecology* 173(1): 39-57.
- Xu, M., Y. Qi, J. Chen, and W. Yin. 2000. Effects of spatial heterogeneity of microenvironment on plant biodiversity in the Southeastern Missouri Ozarks. *Journal of Geographic Information Sciences* 6(1): 1-6.
- Zhaofei, Fan; Xiuli, Fan; Spetich, Martin A.; Shifley, Stephen R.; Moser, W. Keith; Jensen, Randy G.; Kabrick, John M. 2011. Developing a stand hazard index for oak decline in upland Oak forests of the Ozark Highlands, Missouri. *Northern Journal of Applied*

Forestry. 28(1): 19-28.

Zheng, D., J. Chen, B. Song, M. Xu, P. Sneed, and R. Jensen. 2000. Effects of silvicultural treatments on summer forest microclimate in southeastern Missouri Ozarks. *Climate Research* 15:45–59.