

Curriculum Vita

Brian J. Wilsey

Title and Address

Professor
Department of Ecology, Evolution
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Education

- 1995 Ph.D. Syracuse University
Major: Biology
Advisors: Samuel J. McNaughton and James S. Coleman
- 1988 M.S. Louisiana State University
Major: Wildlife
Advisor: Robert H. Chabreck
- 1986 B.S. Henderson State University
Major: Biology

Professional Experience

MAY 2015-present: Department of Ecology, Evolution, and Organismal Biology, Iowa State University, Ames, IA
Professor

MAY 2007-MAY 2015: Department of Ecology, Evolution, and Organismal Biology, Iowa State University, Ames, IA
Associate Professor

AUGUST 2003-MAY 2007: Department of Ecology, Evolution, and Organismal Biology, Iowa State University, Ames, IA
Assistant Professor

AUGUST 2001-MAY 2003: Department of Botany, Iowa State University, Ames, IA
Assistant Professor

AUGUST 1999-AUGUST 2001: Department of Biological and Environmental Sciences, Texas A&M University - Commerce, Commerce, TX

Tenure-track Assistant Professor

AUGUST 1998-AUGUST 1999: Grassland, Soil and Water Research Laboratory, USDA-ARS, Temple, TX

Research Associate with Wayne Polley

AUGUST 1996-AUGUST 1998: Department of Biology, McGill University, Montreal, Canada

Postdoctoral Fellow with Catherine Potvin

AUGUST 1995-AUGUST 1996: Department of Biology, University of Turku, Turku, Finland

Postdoctoral Fellow with Erkki Haukioja

SEPTEMBER 1992-AUGUST 1995: Department of Biology, Syracuse University

NASA Graduate Student Fellow

AUGUST 1991-SEPTEMBER 1992: Department of Biology, Syracuse University

Teaching Assistant

FEBRUARY 1989-AUGUST 1991: Louisiana State University Wetland Biogeochemistry Institute

Research Associate III

JANUARY 1987-DECEMBER 1988: Louisiana State University School of Forestry, Wildlife and Fisheries

Graduate Research Assistant

Honors and Awards

College of Liberal Arts and Sciences Award for Mid-Career Achievement in Research 2011
Alexander Gourevitch Award for Meritorious Achievement by a Ph.D. student (Syracuse Univ. 1996)

NASA Graduate Student Fellow in Global Change Research (1992-1995)

Winner of the Basford Biology Award for best biology student (Henderson State Univ. 1986)

Recently funded grants (> \$5,000 only)

2015-2016, Iowa Department of Transportation, Living Roadway Trust Fund Research Program, PI with co-PI Andrew Kaul (\$15,899) '*Retrospective analysis of prairie planting success*'

2014-2017, USDA-NIFA, PI with co-PI Kirsten Hofmockel (\$602,000) '*C-Cycling in native vs. non-native dominated systems*'

2009-2011, Iowa Department of Transportation, Living Roadway Trust Fund Research Program, PI with co-PI Leanne Martin (\$23,453) '*Native cover crops*'

2010-2013, EPA Star Fellowship to graduate student Leanne Martin '*Quantifying a fundamental gap in ecosystem service tradeoffs: differences among native- and exotic-dominated landscapes*'

2007-2010, National Science Foundation (\$330,000+ Research Opportunity Award supplement with Dr. Matthew Dornbush [\$18,000] and Univ. Wisconsin - Green Bay), '*Biodiversity in native and exotic communities*' PI

- 2008, US Department of Army Corps of Engineers, Construction Engineering Research Laboratory, Upper Middle Mississippi Valley Cooperative Ecosystem Studies Unit, (\$82,471), '*Revegetation in a military context: Assessment of the ecological bridge concept*' PI
- 2008, Iowa Department of Transportation, Living Roadway Trust Fund Research Program, (\$11,693), '*Prairie plant distributions and their consequences for diversity and exotic species invasion*' Co-PI with Yurkonis and Moloney
- 2008, Leopold Center for Sustainable Agriculture, (\$8,164), '*Effects of high intensity cattle grazing on ecosystem services in native vs. exotic perennial plant mixtures*' coPI with Forest Isbell
- 2007-2008, Iowa Department of Transportation, Living Roadway Trust Fund Research Program, (\$21,228), '*Native cover crops*' PI
- 2007, Iowa Department of Transportation, Living Roadway Trust Fund Research Program, (\$11,422), '*Prairie plant distributions and their consequences for diversity and exotic species invasion*' Co-PI with Yurkonis and Moloney
- 2006-2007, Leopold Center for Sustainable Agriculture, (\$8,380), '*Use of native cover crops to reconstruct native grasslands*' PI
- 2006-2007, US Department of Army Corps of Engineers, Construction Engineering Research Laboratory, Upper Middle Mississippi Valley Cooperative Ecosystem Studies Unit, (\$130,000), '*Assessment of the ecological bridge concept*' PI
- 2006, Iowa Department of Transportation, Living Roadway Trust Fund Research Program, (\$28,224), '*Native cover crops*' PI
- 2003-2006, Iowa Department of Transportation, Living Roadway Trust Fund Research Program, (\$39,257), '*Does the dominant warm-season grass determine the diversity of prairie reconstructions?*' PI
- 2005, US Department of Army Corps of Engineers, Construction Engineering Research Laboratory, Upper Middle Mississippi Valley Cooperative Ecosystem Studies Unit, (\$75,000), '*Development of environmental indicators for impending catastrophic ecological change*' PI
- 2005, Iowa Department of Transportation, Living Roadway Trust Fund Research Program, (\$17,000), '*Native cover crops: early establishment and weed suppression*' PI
- 2004, Iowa Department of Transportation, Living Roadway Trust Fund Research Program, (\$20,828), '*Native cover crops: germination and first season cover and root biomass*' PI
- 2003-2004, LAS Faculty Development Grant (\$15,300), '*Dominant grass effects on diversity and functioning of restored grassland*' PI

Peer reviewed publications:

Bolding denotes papers published since I was awarded tenure and promotion to Associate Professor at Iowa State in 2007. ISI Web of Science *H*-index is 30 in Google Scholar. * denotes a paper that was cited > 100 times (Google Scholar).

- 79.** Isbell, F., Craven, D., Connolly, J., Loreau, M., Schmid, B., Beierkuhnlein, C., Bezemer, T.M., Bonin, C., Bruelheide, H., de Luca, E., Ebeling, A., Griffin, J., Guo, Q., Hautier, Y., Hector, A., Jentsch, A., Kreyling, J., Lanta, V., Manning, P., Meyer, S.T., Mori, A.S., Naeem, S., Niklaus, P.A., Polley, H.W., Reich, P.B., Roscher, C., Seabloom, E., Smith, M., Thakur, M.P., Tilman, D., Tracy, B.F., van der Putten, W., van Ruijven, J., Weigelt, A., Weisser, W.W., Wilsey, B., and N. Eisenhauer. 2015. Biodiversity increases the resistance of ecosystem productivity to climate extremes. *Nature* resubmitted
- 78.** Martin, L.M., Harris, M. and B.J. Wilsey. 2015. Phenology and temporal niche overlap differ between novel, exotic- and native-dominated grasslands for plants, but not for pollinators. *Biological Invasions* in press
- 77.** Liu, J., Feng, C., Wang, D., Wang, L., Wilsey, B.J. and Z. Zhong. 2015. Impacts of grazing by different large herbivores in grassland depend on plant species diversity. *J. Applied Ecology* in press.
- 76.** Wilsey, B.J. and L.M. Martin. 2015. Top-down control of rare species abundances by native ungulates in a grassland restoration. *Restoration Ecology* in press.
- 75.** Martin, L.M. and B.J. Wilsey. 2015. Novel, exotic-dominated grasslands exhibit altered patterns of beta diversity relative to native grasslands. *Ecology* 96:1042-1051
- 74.** Wilsey, B.J., Barber, K. and L.M. Martin. 2015. Exotic grassland species have stronger priority effects than natives regardless of whether they are cultivated or wild genotypes. *New Phytologist* 205:928-937
- 73.** Martin, L.M. and B.J. Wilsey. 2014. Native-species seed additions do not shift restored prairie plant communities from exotic to native states. *Basic and Applied Ecology* 15:297-304
- 72.** Polley, H.W., Derner, J.D., Jackson, R.B., Wilsey, B.J. and P.A. Fay. 2014. Impacts of climate change drivers on C₄ grassland productivity: scaling driver effects through the plant community. *Journal of Experimental Botany* 13:3415-3424
- 71.** Wilsey, B.J., Daneshgar, P.P., Hofmockel, K. and H.W. Polley. 2014. Invaded grassland communities have altered stability-maintenance mechanisms but equal stability compared to native communities. *Ecology Letters* 17:92-100
- 70.** Martin, L.M., Polley, H.W., Daneshgar, P.P., Harris, M.A. and B.J. Wilsey. 2014. Biodiversity, photosynthetic mode, and ecosystem services differ between native and novel ecosystems. *Oecologia* 175:687-697
- 69.** Cardinale, B.J., Gross, K., Fritschie, K., Flombaum, P., Fox, J., Rixen, C., van Ruijven, J., Reich, P., Scherer-Lorenzen, M., and B.J. Wilsey. 2013. Can producer diversity simultaneously

increase the productivity and stability of ecosystems? A meta-analysis of 34 experiments. *Ecology* 94:1697-1708

68. de Mazancourt, C. Isbell, F., Larocque, A., Berendse, F., De Luca, E., Haegeman, B., Polley, H.W., Roscher, C., Schmid, B., Tilman, D., van Ruijven, J., Weigelt, A., Wilsey, B.J., and M. Loreau. 2013. Predicting ecosystem stability from community composition and biodiversity. *Ecology Letters* 16:617-625

67. Polley, H.W., Isbell, F.I. and B.J. Wilsey. 2013. Plant functional traits improve diversity-based predictions of temporal stability of grassland productivity. *Oikos* 122:1275-1282. Editor's Choice.

66. Daneshgar, P.P., H.W. Polley, and B.J. Wilsey. 2013. Simple plant traits explain functional group diversity decline in novel grassland communities of Texas. *Plant Ecology* 214:231-241

65. Huang, Y., L.M. Martin, F.I. Isbell, and B.J. Wilsey. 2013. Is community persistence related to species diversity at planting? A test with tallgrass prairie species in a long-term field experiment. *Basic and Applied Ecology* 14:199-207

64. McGranahan, D.A., D.M. Engle, B.J. Wilsey, S.D. Fuhlendorf, J.R. Miller, D.M. Debinski. 2012. Grazing and an invasive grass confound spatial pattern of exotic and native grassland plant species richness. *Basic and Applied Ecology* 13:654-662

63. Martin, L.M. and B.J. Wilsey. 2012. Assembly history alters alpha and beta diversity, exotic-native proportions, and ecosystem functioning of restored prairie plant communities. *Journal of Applied Ecology* 49:1436-1445

62. Dickson, T.L., Hopwood, J. and B.J. Wilsey. 2012. Do priority effects benefit invasive plants more than native plants? An experiment with six grassland species. *Biological Invasions* 14:2617-2621

61. Yurkonis, K.A., Wilsey, B.J. and K.A. Moloney. 2012. Initial plant arrangement affects invasion resistance in experimental grassland plots. *Journal of Vegetation Science* 23:4-12

***60.** Isbell, F., Calcagno, V., Hector, A., Connolly, J., Harpole, W.S., Reich, P.B., Scherer-Lorenzen, M., Schmid, B., Tilman, D., van Ruijven, J., Weigelt, A., Wilsey, B.J., Zavaleta, E.S. and M. Loreau. 2011. High plant diversity is needed to maintain ecosystem services. *Nature* 477:199-202 (Featured on Faculty of 1000)

59. Wilsey, B.J., P.P. Daneshgar, and H.W. Polley. 2011. Biodiversity, phenology and temporal niche differences between native- and novel exotic-dominated grasslands. *Perspectives in Plant Ecology, Evolution and Systematics* 13:265-276

- 58.** Isbell, F.I. and B.J. Wilsey. 2011. Rapid biodiversity declines in both ungrazed and intensely grazed exotic grasslands. *Plant Ecology* 212:1663-1674
- 57.** Picasso, V.D., E.C. Brummer, M. Liebman, P.M. Dixon, and B.J. Wilsey. 2011. Diverse perennial crop mixtures sustain higher productivity over time based on ecological complementarity. *Renewable Agriculture and Food Systems* 36:317-327
- 56.** Isbell, F.I. and B.J. Wilsey. 2011. Increasing native, but not exotic, biodiversity enhances ecosystem functioning in ungrazed and intensely grazed grasslands. *Oecologia* 165:771-781
- 55.** Yurkonis, K. A., B. J. Wilsey, K. A. Moloney, P. Drobney, and D. L. Larsen. 2010. Seeding method influences warm-season grass abundance and distribution but not local diversity in grassland restoration. *Restoration Ecology* 18S2:344-353
- 54.** Wilsey, B.J. 2010. Comparing beta diversity indices in establishing prairies. *Ecology* 91:1984-1988
- 53.** Yurkonis, K.A., B.J. Wilsey, K.E. Moloney, and A. van der Valk. 2010. The impact of seeding method on diversity and plant distribution in two restored grasslands. *Restoration Ecology* 18:311-321
- 52.** Dornbush, M.E. and B.J. Wilsey. 2010. Experimental manipulation of soil depth alters species richness and co-occurrence in restored tallgrass prairie. *Journal of Ecology* 98:117-125 (featured on EEB Flow Blog)
- 51.** Dickson, T.L., Wilsey, B.J., Busby, R.R. and D.L. Gebhart. 2010. A non-native legume causes large community and ecosystem changes in both the presence and absence of a cover crop. *Biological Invasions* 12:65-76
- 50.** Wilsey, B.J. 2010. Productivity and subordinate species response to dominant grass species and seed source during restoration. *Restoration Ecology* 18:628-637
- *49.** Isbell, F.I., Polley, H.W. and B.J. Wilsey. 2009. Biodiversity, productivity, and the temporal stability of productivity: patterns and processes. *Ecology Letters* 12:443-451
- 48.** Wilsey, B.J., Teaschner, T.B., Daneshgar, P.P., Isbell, F.I. and H.W. Polley. 2009. Biodiversity maintenance mechanisms differ between native and novel exotic-dominated communities. *Ecology Letters* 12:432-442 (Featured on Faculty of 1000; Featured on EEB and Flow Blog)
- 47.** Dickson, T.L. and B.J. Wilsey. 2009. Biodiversity and tallgrass prairie decomposition: the relative importance of species identity, evenness, richness and microtopography. *Plant Ecology* 201:639-649

46. Isbell, F.I., Polley, H.W. and B.J. Wilsey. 2009. Species interaction mechanisms maintain grassland plant species diversity. *Ecology* 90:1821-1830
45. Losure, D.A., Moloney, K.A. and B.J. Wilsey. 2009. Modes of invasion and persistence of an exotic, clonal legume species. *American Midland Naturalist* 161:232-242
42. Chalcraft, D.R., Wilsey, B.J. Bowles, C. and M.R. Willig. 2009. The relationship between productivity and multiple aspects of biodiversity in six grassland communities. *Biodiversity and Conservation* 18:91-104
41. Isbell, F.I., Losure, D.A., Yurkonis, K.A., and B.J. Wilsey. 2008. Diversity–productivity relationships in two ecologically realistic rarity–extinction scenarios. *Oikos* 117:996-1005
40. Dickson, T.L., Wilsey, B.J., B.R. Busby, and D.L. Gebhart. 2008. Plant composition alters vehicle disturbance effects in a Kansas, U.S.A. prairie. *Environmental Management* 41:676-684
39. Picasso, V.D., E.C. Brummer, M. Liebman, P.M. Dixon, and B.J. Wilsey. 2008. Crop species diversity affects productivity and weed suppression in perennial polycultures under two management strategies. *Crop Science* 48:331-342
38. Polley, H.W., Wilsey, B.J. and J.D. Derner. 2007. Species composition and diversity as regulators of temporal variability in biomass production of tallgrass prairie. *Oikos* 116:2044-2052
37. Wilsey, B. and G. Stirling. 2007. Species richness and evenness respond in a different manner to propagule density in developing prairie microcosm communities. *Plant Ecology* 190:259-273
36. Polley, H.W., Wilsey, B.J. and C. Tischler. 2007. Species abundances influence the net biodiversity effect in mixtures of two plant species. *Basic and Applied Ecology* 8:209-218
35. Losure, D.A., Wilsey, B.J. and K.A. Moloney. 2007. Evenness-invasibility relationships differ between two extinction scenarios in tallgrass prairie. *Oikos* 116:87-98
34. Martin, L.M. and B.J. Wilsey. 2006. Assessing grassland restoration success: relative roles of seed additions and native ungulate activities. *Journal of Applied Ecology* 43:1098-1110
33. Wilsey, B.J. and H.W. Polley. 2006. Aboveground productivity and root-shoot allocation differ between native and introduced grass species. *Oecologia* 150:300-309

32. Polley, H.W., Wilsey, B.J., Derner, J.D., Johnson, H.B. and J. Sanabria. 2006. Early-successional plants regulate grassland productivity and species composition: a removal experiment. *Oikos* 113:287-295
31. Wilsey, B.J., Martin, L.M. and H.W. Polley. 2005. Predicting plant extinction based on species-area curves in prairie fragments with high beta richness. *Conservation Biology* 19:1835-1841
- *30. Martin, L.M., Moloney, K.A. and B.J. Wilsey. 2005. An assessment of grassland restoration success using species diversity components. *Journal of Applied Ecology* 42:327-336
- *29. Wilsey, B.J., Chalcraft, D.R., Bowles, C.M. and M.R. Willig. 2005. Relationships among indices suggest that species richness is an incomplete indicator of grassland biodiversity. *Ecology* 86:1178-1184
- *28. Polley, H.W., Wilsey, B.J. and J.D. Derner. 2005. Patterns of plant species diversity in remnant and restored tallgrass prairies. *Restoration Ecology* 13:480-487
27. Wilsey, B.J. and H.W. Polley. 2004. Realistically low species evenness does not alter grassland species richness-productivity relationships. *Ecology* 85:2693-2701
26. Wilsey, B.J. and H.W. Polley. 2003. Effects of seed additions and grazing history on diversity and aboveground productivity of sub-humid grasslands. *Ecology* 84:920-931
25. Polley, H.W., B.J. Wilsey, and J.D. Derner. 2003. Do species evenness and plant density influence the magnitude of selection and complementary effects in annual plant mixtures? *Ecology Letters* 6:248-257
24. Wilsey, B.J. and H.W. Polley. 2002. Reductions in grassland species evenness increase dicot seedling invasion and spittle bug infestation. *Ecology Letters* 5:676-684
23. Wilsey, B.J. 2002. Clonal plants in a spatially heterogeneous environment: effect of integration on Serengeti grassland response to defoliation and urine-hits from grazing mammals. *Plant Ecology* 159:15-22
22. Wilsey, B.J., G. Parent, N.T. Roulet, T.R. Moore, and C. Potvin. 2002. Tropical pasture carbon cycling: relationships between C source/sink strength, aboveground biomass, and grazing. *Ecology Letters* 5:367-376
21. Wilsey, B.J. 2001. Effects of elevated CO₂ on the response of *Phleum pratense* and *Poa pratensis* to simulated aboveground grazing and root-feeding nematodes. *International Journal of Plant Sciences* 162:1275-1282

- *20. Stirling, G. and B. Wilsey. 2001. Empirical relationships between species richness, evenness, and proportional diversity. *American Naturalist* 158:286-300
- *19. Wilsey, B.J. and C. Potvin. 2000. Biodiversity and ecosystem functioning: the importance of species evenness in an old field. *Ecology* 81:887-893
18. Alonso, C., T. Vuorisalo, B. Wilsey, and T. Honkanen. 2000. *Yponomeuta evonymellus* moth outbreaks in southern Finland: spatial synchrony but different local magnitudes. *Annals Zoologica Fennici* 37:179-188
17. Lappalainen, J.H., Martel, J., Lempa, K., Wilsey, B. and V. Ossipov. 2000. Effects of resource availability on carbon metabolism and developmental instability in cloned birch seedlings. *International Journal of Plant Sciences* 161:119-125
16. Wilsey, B.J. and I. Saloniemi. 1999. Leaf fluctuating asymmetry in tree-line birches (*Betula pubescens* ssp. *tortuosa*): genetic or environmentally influenced? *Oikos* 87:341-346
15. Flynn, K.M., I.A. Mendelssohn, and B.J. Wilsey. 1999. The effect of water level management in two Louisiana marshes: Soil and plant responses. *Wetlands Ecology and Management* 7:193-218
14. Wilsey, B.J., Haukioja, E., Koricheva J, and M. Sulkinoja. 1998. Fluctuating asymmetry in hybridizing and stressed tree-line birch trees. *Ecology* 79:2092-2100
13. Williams, K.J., Wilsey, B.J., McNaughton, S.J., and F. Banyikwa. 1998. Temporal variation in rainfall does not decrease the yield of Serengeti grasses. *Oikos* 81:463-473
12. Wilsey, B.J., Coleman, J.S., and S.J. McNaughton. 1997. Effects of defoliation and elevated CO₂ on grasses: a comparative ecosystem approach. *Ecological Applications* 7:844-854
- *11. Kozlov, M.V., Wilsey, B.J., Koricheva, J., and E. Haukioja. 1996. Fluctuating asymmetry of birch leaves increases under pollution impact. *Journal of Applied Ecology* 33:1489-1495
10. Wilsey, B.J. 1996. Urea and defoliation affect plant responses to elevated CO₂ in a C₃ grass from Yellowstone National Park. *Oecologia* 108:321-328
9. Wilsey, B.J. 1996. Plant response to elevated atmospheric CO₂ among terrestrial biomes. *Oikos* 76:201-209
8. Wilsey, B.J. 1996. Variation in use of green flushes following burns among African ungulate species: the importance of body size. *African Journal of Ecology* 34:32-38

7. Webb, E.J., I.A. Mendelssohn, and B.J. Wilsey. 1995. Causes for vegetation dieback in a Louisiana salt marsh: A bioassay approach. *Aquatic Botany* 51:281-289
6. Wilsey, B.J., S.J. McNaughton, and J.S. Coleman. 1994. Will increases in atmospheric CO₂ affect regrowth following grazing in grasses from tropical grasslands? A test with *Sporobolus kentrophyllus*. *Oecologia* 99:141-144.
5. Hester, M.H., B.J. Wilsey, and I.A. Mendelssohn. 1994. Grazing of *Panicum amarum* in a Louisiana barrier island dune community: management implications for dune restoration projects. *Ocean and Coastal Management* 23:213-224.
4. Wilsey, B.J., I.A. Mendelssohn, and K.L. McKee. 1992. Effects of elevation, macro- and micronutrients on *Spartina alterniflora* transplant success in salt marsh dieback in Louisiana. *Environmental Management* 16:505-511
3. Wilsey, B.J., R.H. Chabreck, and R.G. Linscombe. 1991. Spatial and seasonal variation in nutria (*Myocastor coypus*) diets in forested wetlands of Louisiana. *Wetlands* 11:263-278.
2. Wilsey, B.J. and R.H. Chabreck. 1991. Nutritional quality of nutria diets in three Louisiana wetland habitats. *Northeast Gulf Science* 12:67-72.
1. Mendelssohn, I.A., K.M. Flynn, and B.J. Wilsey. 1990. The relationship between produced water discharges and plant biomass and species composition in three Louisiana marshes. *Oil and Chemical Pollution* 7:317-335.

Book Chapters and Non-peer-reviewed papers

1. Wilsey, B.J. 2005. Importance of species replication in understanding plant invasions into North American grasslands. In Inderjit Ed. *Invasive plants: ecological and agricultural aspects*. Birkhauser-Verlag
2. Wilsey, Brian. 2014. Editor's Choice: Sourcing propagules to achieve current and future restoration objectives. Note: this was a description of the importance of the paper Kettenring et al. 'Applications of genetic diversity-ecosystem function research to ecological restoration' for *Journal of Applied Ecology* (on-line only)

Recent Seminars/Posters (senior author only)

University of Kansas Armitage Lecture, April 23, 24, 2015

Carleton College, Department of Biology, April, 2014

iDIV, Leipzig, Germany, October, 2013

Institute of Grassland Sciences, Northeast Normal Univ., Changchun, Jilin, China, 2013

Ecological Society of America, Minneapolis, MN, 2013
University of Wisconsin – Green Bay, WI, 2012
Ecological Society of America, Austin, TX 2011 (co-led field trip)
Ecological Society of America, Pittsburgh, PA, 2010
Washington University in St. Louis, Tyson Station, 2010
University of Wisconsin, Madison, WI, 2010
Texas A&M Univ., College Station, TX, 2009
Ecological Society of America, Milwaukee, WI, 2008
International Association of Landscape Ecology, Madison, WI, 2008 Invited Symposium
Texas Tech University, Lubbock, TX, 2008
Ecological Society of America, San Jose, CA, 2007 Invited Symposium
Ecological Society of America, Memphis, TN, 2006
Ecological Society of America, Montréal, PQ, 2005
Department of Biological Sciences, Univ. Illinois-Chicago, IL 2005
Ecology and Evolution Program, Univ. Illinois Urbana-Champaign, IL 2004
Syracuse University, Celebrating the legacy of Sam McNaughton, Syracuse, NY 2004
Ecological Society of America, Portland, OR 2004
Society for Conservation Biology, Duluth, MN 2003
National Center for Ecological Analysis and Synthesis, Santa Barbara, CA 2002

Courses Taught

Restoration Ecology, NREM-EEOB-ENSC 535, Iowa State University, Fall alternate years
EEB 585 Field Trip, Iowa State University, Summers of 2003, 2008
Advanced Community Ecology (EEOB 585), Iowa State University, Fall alternate years
Principles of Biology (BIO 211), Iowa State University, Springs each year

Graduate students advised

Graduated: Leanne Martin (M.S. May 2005, Ph.D. 2013), David Losure (co-advised with Kirk Moloney, M.S. May 2006, now at USDA-NRCS), Andrea Blong (M.S. May 2007, now with AmeriCorps), Kathryn Yurkonis (Ph.D. January 2010, co-advised with Kirk Moloney, now an Assistant Professor at Univ. North Dakota), Forest Isbell (Ph.D. August 2010, now Associate Director of Cedar Creek LTER, University of Minnesota)

Current: Kaitlin Barber (Ph.D.), Andrew Kaul (Ph.D.).

Postdoctoral fellows advised

Pedram Daneshgar (Ph.D. Univ. Florida, now an Assistant Professor at Monmouth Univ., N.J.),
Tim Dickson (Ph.D. Univ. Kansas, now an Assistant Professor at Univ. Nebraska-Omaha),
Terri Beth Teaschner (Ph.D. Texas A&M, now with US-Army Corps of Engineers)

Current: Xia Xu

National and International Service

Associate Editor: *Plant Ecology* (2008-2009), *Journal of Applied Ecology* (2010-present), *Perspectives in Plant Ecology, Evolution and Systematics* (2013-present)

Referee and panelist: Includes the funding agencies: National Science Foundation (reviewer and panelist), USDA-NRI (reviewer); European Science Foundation; Natural Environmental Research Council (U.K.), Estonian Research Council and the journals: *Nature*, *PNAS*, *Ecology*, *Oecologia*, *Oikos*, *Ecology Letters*, *American Naturalist*, *Journal of Ecology*, *Journal of Applied Ecology*, *New Phytologist*, *Proceedings of the Royal Society B*, *Functional Ecology*, *Diversity and Distributions*, *International Journal of Plant Sciences*, *Environmental Pollution*, *Wetlands*, *Journal of Arid Environments*, *Plant Ecology*, *Journal of Vegetation Science*, *Ecography*, *Biological Journal of the Linnean Society*, *Australian Journal of Botany*, *Annals of Botany*, *Methods in Ecology*, *Ecological Monographs*, *Weed Research*, *Biological Conservation*, *Journal of Torrey Botanical Society*, *Austral Ecology*, *Agriculture Ecosystems and Environment*, *Agronomy Journal*, *Plant and Soil*, *Journal of Biogeography*, *Rangeland Ecology and Management*

Other: Tenure evaluator for other Universities (1)

Professional Organizations: American Association for the Advancement of Science, Ecological Society of America (including Physiological and Rangeland Ecology subsections), Sigma Xi Scientific Honor Society, Society of Ecological Restoration International

Local Service

Microbial Ecologist Faculty Search (Chair), Seminar Committee (2001-2012, Chair 2009-2012), Ecology and Evolutionary Biology Program Graduate Admissions Committee and Super Committee (Jan. 2010-2012, Chair 2013 to present), Member of College of Liberal Arts and Sciences General Assembly (2006-2009), Outdoor Teaching Lab Committee (2012 to present), Tenure Mentor to an Assistant Professor (2008-2013), Lois Tiffany Awards Committee