

Gregory R. Houseman
Curriculum Vitae
22 January 2026

Wichita State University 537 Hubbard Hall, Box 26 1845 N. Fairmount Wichita KS 67260-0026 Telephone: (316) 978-5841 Cell phone (316) 218-8237	Email: greg.houseman@wichita.edu Website: www.wichita.edu/biology/ghouseman ORCID: orcid.org/0000-0001-6554-770X ResearchGate Profile: www.researchgate.net/profile/Gregory_Houseman2
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EXPERIENCE

- Professor of Biology, Wichita State University (2021-present)
- Field Station Director, Wichita State University (2018-present)
- Associate Professor of Biology, Wichita State University (2014-2021)
- Assistant Professor of Biology, Wichita State University (2008-2014)
- USDA Postdoctoral Fellow, University of Kansas (2006-2008)
- Research Associate, Kellogg Biological Station, Michigan State University (2004-2006)

EDUCATION

- Ph.D. Plant Biology Department & Ecology, Evolution and Behavioral Biology Program, Michigan State University (2004)
- M.S. Department of Biology, Illinois State University (1998)
- Naturalist Certificate, AuSable Institute of Environmental Studies, Mancelona MI (1993)
- B.A. and secondary teaching certificate in Biology, Cornerstone University (1990)

AWARDS & GRANTS

- USDA-FSA “Grazing Intensity Assessment” **G. R. Houseman** PI, W. Jensen Co-PI; Funded \$302,434; Additional project aims and funds for the “Grazing Intensity Assessment” project listed below; Four-year project 2023
- USDA-FSA “Grazing Intensity Assessment” **G. R. Houseman** PI, W. Jensen Co-PI; Funded \$1,998,952; Five-year project 2022

NSF EPSCoR REI. “Supplies to support research centered on the soil-borne, fungal pathogen, <i>Macrophomina phaseolina</i> ” G. R. Houseman ; Funded \$36,694; seven-month project	2021
Wichita State Faculty/Staff Fundraising Award	2021
NSF EPSCoR Research Experience for Undergraduates. “Spatial structure of the pathogenic fungus, <i>Macrophomina phaseolina</i> , in a native grassland” G. R. Houseman ; Funded \$9,400; Seven-month project	2020
Kansas Department of Wildlife, Parks, and Tourism. “Linking CRP grassland management to plants, insects, and birds: Supplement” W. Jensen, G. R. Houseman , and M. L. Jameson Co-PIs; Additional funds in support of the 2016 grant below; Funded \$72,269	2019
NSF EPSCoR REI. “Increasing aquatic ecology expertise in Kansas” G. R. Houseman (funds to support the start-up for new faculty position in aquatic ecology); Funded \$137,156; Two-year project	2019
NSF EPSCoR Research Experience for Undergraduates. “Distribution of the pathogenic fungus, <i>Macrophomina phaseolina</i> , under different land uses in Kansas” G. R. Houseman ; Funded \$9,000; Nine-month project	2019
NSF EPSCoR. “RII Track-1: Microbiomes of aquatic, plant and soil systems (MAPS) mediating sustainability: An observation and experimental network across Kanas precipitation and land use gradients” G. R. Houseman (numerous collaborators; Houseman is sole WSU PI) Funded \$444,786; Six-year project	2017
Young Faculty Scholar Award, Wichita State University	2016
Kansas Department of Wildlife, Parks, and Tourism. “Linking CRP grassland management to plants, insects, and birds” W. Jensen PI, G. R. Houseman , and M. L. Jameson Co-PIs; Funded \$1,053,947; Four-year project	2016
NSF-DEB travel supplement for “Interactive effects of exogenous and endogenous spatial heterogeneity on plant diversity” G. R. Houseman PI; Funded \$12,606	2016
Tallgrass Legacy Alliance. “Improving our understanding of the spread and control of the invasive species—sericea lespedeza” G. R. Houseman PI; Funded \$38,351; Five-year project	2016

- USDA-AFRI. “Integrating modeling and field experiments to guide weed management in rangeland systems” **G. R. Houseman** PI and İ. E. Büyüktaktın Co-PI; Funded \$430,822; Five-year project 2016
- NSF-DEB “Interactive effects of exogenous and endogenous spatial heterogeneity on plant diversity” **G.R. Houseman** PI, B. L. Foster, Antonio Golubski Co-P.I.s; Funded \$747,269; Five-year project 2015
- National Socio-Environmental Synthesis Center: LTER Postdoctoral Fellowship. “Developing new metrics for studying holistic community changes—a necessary new frontier in the Anthropocene” M. Avolio (PI), **G. R. Housman** (co-PI; postdoctoral co-advisor); Funded to cover Postdoctoral salary along with travel and stipend for Houseman 2015
- Wichita State University-University Research/Creative Projects Award. “Potential impacts of a soil pathogen on grassland plant abundance and diversity” **G. R. Houseman** PI; Funded \$4380 2014
- NSF-LTER. “Mechanisms of convergence and divergence: understanding the variability of plant community responses to multiple resource manipulations” M. L. Avolio and K. La Pierre P.I.s; **G. R. Houseman** collaborating (funds cover travel costs associated with working group travel) *NOTE: Proposal based on Houseman et al. 2008 paper in Ecology* 2012
- Kansas NSF EPSCoR. “Navigating the fine line between the economic and environmental impacts of biofuel production” E. Buyuktahtakin PI, **G. R. Houseman** collaborating; Funded \$94,629 2012
- Wichita State University, Strategic Engineering Research Fellowship. “Sustainable ecosystems through optimal invasive species control” E. Buyuktahtakin PI, **G. R. Houseman** collaborating; Funded \$19,998 2012
- Kansas NSF EPSCoR “Can spatial variability created by dispersal explain the accumulation of biodiversity” **G. R. Houseman** PI; Funded \$39,000 2010
- Wichita State University-University Research/Creative Projects Award. “Influence of herbivore functional diversity on plant diversity and production” **G.R. Houseman** PI; Funded \$4500 2009
- USDA-NRI Post Doctoral Fellowship. “Does propagule pressure change invasion risk under different agricultural management regimes” **G.R. Houseman** PI, B. L. Foster Co-PI; Funded \$125,000 2006
- NSF Doctoral Dissertation Improvement Grant 0308856 “Species pools and plant traits as constraints on species diversity across productivity gradients” K. L. Gross PI, written by **G. R. Houseman**; Funded \$10,000 2003

Lauff Research Award, G.R. Houseman PI; Funded \$300	2003
Sigma Xi Research Award, G.R. Houseman PI; Funded \$600	2001
Research Training Grant (RTG) Fellowship, Kellogg Biological Station	1998-2001
Outstanding Masters Thesis, Biology Department, Illinois State University	1998
Michigan Natural Heritage Grant, G.R. Houseman PI, R. C. Anderson Co-PI; Funded \$2500	1997
Phi Sigma local chapter grant 1996, G.R. Houseman PI, R. C. Anderson Co-PI	1997

PUBLICATIONS (All peer reviewed)

Scopus (as of 22 Jan 2026) Citations: 2,588 *h*-index: 17

Google Scholar (as of 23 Jan 2026) Citations: 4028; *h*-index: 21; *i10*-index: 29

ResearchGate (as of 22 Jan 2026) Citations: 4,339; Reads: 19,048

Note: Wichita State University lost access to JCR after 2017

Published

Houseman, G. R. (2025). Restoring grassland legumes using overseeding can depend on seed spatial structure. *Restoration Ecology*. <https://doi.org/10.1111/rec.70275>.

CiteScore 5.7; *I obtained the funding, collected and analyzed the data, and wrote the paper.*

*Houchen, B., **G. R. Houseman**, and *O. S. Schouten. (2025). Spatial structure of a soil-borne fungal plant pathogen in an untilled grassland: insights using new analytical tools. *Fungal Ecology*, 77. <https://doi.org/10.1016/j.funeco.2025.101456>

CiteScore 6.6; *I obtained funding, assisted with design, project management, and editorial input.*

Kraus, H. M., **G. R. Houseman**, M. L. Jameson, M. M. Reichenborn, W. A. Boyle and W. E. Jensen Girls no smoke. (2025). Nestling condition of a grassland bird is not associated with food availability in restored grasslands. *Avian Conservation and Ecology*, 20(1):17. <https://doi.org/10.5751/ACE-02829-200117>

CiteScore 2.3; *I obtained funding, assisted with design, project management, and editorial input.*

*Watson, D. F., **G. R. Houseman**, M. L. Jameson, W. E. Jensen, M. Reichenborn, A. Morphey and E. L. Kjaer. 2024. Short-Term Cattle Grazing Effects on Restored Conservation Reserve Program Grasslands Across a Steep Precipitation Gradient. *Rangeland Ecology and Management* 94:38-47. <https://doi.org/10.1016/j.rama.2024.02.002>

CiteScore 4.6; *I obtained funding, assisted with design, project management, and editorial input.*

*Kjaer, E. L., **G. R. Houseman**, K. N. Luu, B. L. Foster, L. Laanisto and A. J. Golubski. 2024. Spatial pattern of seed arrival has a greater effect on plant diversity than does soil heterogeneity in a grassland ecosystem. *Plant and Soil*.

<https://doi.org/10.1007/s11104-024-06565-2>

CiteScore 8.2; *I obtained funding, assisted with design, project management, and editorial input.*

Dea, H. I., *A. Urban, A. Kazarina, **G. R. Houseman**, S. G. Thomas, T. Loecke, M. J. Greer, T. G. Platt, S. Lee and A. Jompponen. 2022. Precipitation, not land use, primarily determines the composition of both plant and phyllosphere fungal communities. *Frontiers in Fungal Biology* vol 3. <https://doi.org/10.3389/ffunb.2022.805225>

CiteScore: this journal is too new for a score; *I assisted with planning, oversaw parts of the data collection, contributed to the analysis, and provided editorial assistance.*

*Waite, E., **G. R. Houseman**, W. E. Jensen, M. M. Reichenborn and Jameson, M. L. 2022. Ground beetle (Coleoptera: Carabidae) responses to cattle grazing, grassland restoration, and habitat changes across a precipitation gradient. *Insects* 13:art696.

<https://www.mdpi.com/2075-4450/13/8/696>

CiteScore 3.1; *I obtained funding, assisted with design, project management, some of the analysis and editorial input.*

Wilson, B. S., W. E. Jensen, **G. R. Houseman**, M. L. Jameson, M. M. Reichenborn, *D. F. Watson, *A. R. Morphey and *E. L. Kjaer. 2022. Cattle grazing in CRP grasslands during the nesting season: Effects on bird abundance and diversity. *Journal of Wildlife Management* 86:e22188. <http://dx.doi.org/10.1002/jwmg.22188>

CiteScore 4.4; *I obtained funding, assisted with design, project management, and editorial input.*

Kraus, H. M., W. E. Jensen, **G. R. Houseman**, M. L. Jameson, M. M. Reichenborn, *D. F. Watson, and *E. L. Kjaer. 2021. Grazing in CRP grasslands during the nesting season: Effects on avian reproduction. *Journal of Wildlife Management* 86:e22152.

<http://dx.doi.org/10.1002/jwmg.22152>

CiteScore 4.4; *I obtained funding, assisted with design, project management, and editorial input.*

*Watson, D. F, **G. R. Houseman**, M. L. Jameson, W. E. Jensen, M. M. Reichenborn, *A. R. Morphey and *E. L. Kjaer. 2021. Plant Community Changes on Restored Grasslands Across a Large-Scale Precipitation Gradient. *Ecological Applications* e02381.

<https://doi.org/10.1002/eap.2381>

CiteScore 7.7; *I obtained funding, assisted with design, project management, and editorial input.*

*Reichenborn, M. M., **G. R. Houseman** and B. L. Foster. 2020. Plant community recovery following sericea lespedeza (*Lespedeza cuneata*) removal: Testing for a soil legacy effect. *Restoration Ecology*. *Restoration Ecology* 28:1192-1200. <https://doi.org/10.1111/rec.13185>
SJR 1.18, CiteScore 2.92; *I obtained funding and assisted with design, maintenance, data collection and provided editorial input.*

Onal, S., N. Akhundov, I. E. Buyuktahtakin, *J. Smith and **G. R. Houseman**. 2020. An integrated simulation-optimization framework to optimize search and treatment path for controlling a biological invader. *International Journal of Production Economics* 222:art107507. <https://doi.org/10.1016/j.ijpe.2019.09.028>

SJR 2.5, CiteScore 7.1; *I obtained funding, contributed data and input on the analysis and provided editorial assistance.*

Avolio, M. L., I. T. Carroll, S. L. Collins, G. R. Houseman, L. M. Hallett, F. Isbell, S. E. Koerner, K. J. Komatsu, M. D. Smith and K. R. Wilcox. (2019). A comprehensive approach to analyzing community dynamics using rank abundance curves. *Ecosphere* 10:e02881. <https://doi.org/10.1002/ecs2.2881>
CiteScore 5.1; *I assisted the grant proposal, analysis, and writing.*

Komatsu, K.J. M. L. Avolio, N. P. Lemoine, F. Isbell, E. Grman, **G. R. Houseman**, S. E. Koerner, D. S. Johnson, K.R. Wilcox, J. M. Alatalo, J. P. Anderson, R. Aertsm, S. G. Baer, A. H. Baldwin, J. Bates, C. Beierkuhnlein, R. T. Beloter, J. Blair, J. M. G. Bloor, P. J. Bohlen, E. W. Bork, E. H. Boughton, W. D. Bowman, A. J. Britton, J. F. Cahill Jr., E. Chaneton, N. R. Chiariello, J. Cheng, S. L. Collins, J. H. C. Cornelissen, G. Du, A. Eskelinen, J. Firn, B. Foster, L. Gough, K. Gross, L. M. Hallett, X. Han, H. Harmens, M. J. Hovenden, A. Jagerbrand, A. Jentsch, C. Kern, K. Klanderud, A. K. Knapp, J. Kreyling, W. Li, Y. Luo, R. L. McCulley, J. R. McLaren, J. P. Megonigal, J. W. Morgan, V. Onipchenko, S. C. Pennings, J. S. Prevéy, J. N. Price, P. B. Reich, C. H. Robinson, F. L. Russell, O. E. Sala, E. W. Seabloom, M. D. Smith, N. A. Soudzilovskaia, L. Souza, K. Suding, K. B. Suttle, T. Svejcar, D. Tilman, P. Tognetti, R. Turkington, S. White, Z. Xu, L. Yahdjian, Q. Yu, P. Zhang and Y. Zhang. 2019. Global change effects on plant communities are magnified by time and number of global change factors imposed. *Proceedings of the National Academy of Science* 116:17867-1873.
<https://doi.org/10.1073/pnas.1819027116>
SJR 5.6, CiteScore 8.6. *I was a founding member of the working group that developed the ideas and database of experimental results, contributed original data, and provided editorial input.*

*Schouten, O. S. and **Houseman, G. R.** 2019. Effect of soil heterogeneity and endogenous processes on plant spatial structure. *Ecology* 100:e02837. <https://doi.org/10.1002/ecy.2837>
SJR 2.5, CiteScore 4.1; *I obtained the funding, designed the project, assisted with analysis and writing.*

Russell, F. L and **G. R. Houseman.** 2018. Context dependency of insect and mammalian herbivore effects on tall thistle (*Cirsium altissimum*) populations. *Journal of Plant Ecology* 12:531-541. <https://doi.org/10.1890/ES11-00096.1>
SJR 0.8, CiteScore 2.2; *I obtained the funding and assisted with design, maintenance, data collection and provided editorial input.*

Wilcox, K. R., A. T. Tredennick, S. E. Koerner, E. Grman, L. M. Hallett, M. L. Avolio, K. J. La Pierre, **G. R. Houseman**, F. Isbell, D. S. Johnson, J. M. Alatalo, A. H. Baldwin, E. W. Bork, E. H. Boughton, W. D. Bowman, A. J. Britton, J. F. Cahill Jr., S. L. Collings, G. Du, A. Eskelinen, L. Gough, A. Jentsch, C. Kern, K. Klanderud, A. K. Knapp, J. Kreyling, Y. Luo, J. R. McLaren, P. Megonigal, V. Onipchenko, J. Prevey, J. N. Price, C. H. Robinson, O. E. Sala, M. D. Smith, N. A. Soudzilovskaia, L. Souza, D. Tilman, S. R. White, Z. Xu, L. Yahdjian, Q. Yu, P. Zhang and Y. Zhang. 2017. Asynchrony among local communities stabilizes ecosystem function of metacommunities. *Ecology Letters* 20:1534-1545.
<https://doi.org/10.1111/ele.12861>
JCR 5 year IF: 13.327; 4 of 153 journals in Ecology; *I was a founding member of the working group that developed the ideas and database of experimental results, contributed original data, and provided editorial input.*

*Quick, Z. I., **G. R. Houseman** and I. E. Buyuktahtakin. 2017. Assessing the importance of wind and mammals as seed dispersal vectors in an invasive legume. *Weed Research* 57:35-43. <https://doi.org/10.1111/wre.12232>

JCR 5 year IF: 2.166; 17 of 83 journals in *Agronomy*; *I developed the ideas, helped with data collection, mentored the student (first author) and assisted with writing.*

Houseman, G. R., M. S. Kraushar and C. M. Rogers. 2016. The Wichita State University Biological Field Station: Bringing breadth to research along the precipitation gradient in Kansas. *Transactions of the Kansas Academy of Science* 119:27-32.

JCR: not indexed; *I conceived the idea and wrote the paper.*

Avolio, M. L., K. J. La Pierre, **G. R. Houseman**, S. E. Koerner, E. Grman, F. Isbell, D. S. Johnson and K. R. Wilcox. 2015. A framework for quantifying the magnitude and variability of community responses to global change drivers. *Ecosphere* 6:art280. <https://doi.org/10.1890/ES15-00317.1>

JCR 5 year IF: 2.255; 64 of 145 journals in *Ecology*; SJR 1.5, CiteScore 3.1; *I was one of two post-doctoral advisors for the project and assisted the grant proposal, analysis writing.*

Foster, B. L., **G. R. Houseman**, D. R. Hall and S. E. Hinman. 2015 Does tallgrass prairie restoration enhance the invasion resistance of post-agricultural old-fields? *Biological Invasions* 17:3579-3590. <https://doi.org/10.1007/s10530-015-0979-z>

JCR 5 year IF: 2.876; 54 of 145 journals in *Ecology*; *I conceived the idea, helped with project design, and provided editorial assistance.*

Büyüktaktın, İ. E., *E. Y. Kibis, *H. I. Cobuloglu, **G. R. Houseman** and *J. T. Lampe. 2015. An age-structured bio-economic model of invasive species management: Insights and strategies for optimal control. *Biological Invasions* 17:2545-2563. <https://doi.org/10.1007/s10530-015-0893-4>

JCR 5 year IF: 2.876; 54 of 145 journals in *Ecology*; *I helped develop the ideas, contributed to the analysis, and assisted with writing.*

Houseman, G. R. and *A. K. Mahoney. 2015. Intraspecific seed interactions alter seedling emergence of *Lespedeza cuneata* under field conditions. *Population Ecology* 57:539-544, <https://doi.org/10.1007/s10144-015-0495-0>.

JCR 5 year IF: 1.939; 87 of 145 journals in *Ecology*; *I developed the ideas, secured the funding, contributed to data collection and analysis, and wrote the paper.*

*Williams, B. M. and **G. R. Houseman**. 2014. Experimental evidence that soil heterogeneity enhances plant diversity during community assembly. *Journal of Plant Ecology* 7:461-469, <https://doi.org/10.1093/jpe/rtt056>.

JCR 5 year IF: 2.85; 51 of 145 journals in *Ecology*; *I developed the ideas, secured the funding, provided input on data collection and analysis, mentored the student (first author) and assisted with the writing of the paper.*

- *Coykendall, K. E. and **G. R. Houseman**. 2014. *Lespedeza cuneata* invasion alters soils facilitating its own growth. *Biological Invasions* 16:1735-1742. <https://doi.org/10.1007/s10530-013-0623-8>
JCR 5 year IF: 2.876; 54 of 145 journals in Ecology; *I assisted with the development of the ideas, secured the funding, provided input on data collection and analysis, mentored the student (first author) and assisted with the writing of the paper.*
- Shah, M. A., R. M. Callaway, **G. R. Houseman**, T. Shah, R. Pal, S. Xiao and S. Chen. 2014. *Conyza canadensis* suppresses plant diversity in its nonnative ranges but not at home: a transcontinental comparison. *New Phytologist* 202:1286-1296, <https://doi.org/10.1111/nph.12733>.
JCR 5 year IF: 7.837; 6 of 145 journals in Ecology; *I collected some of the data (1 of 21 sites) and edited the writing of the paper.*
- Houseman, G. R.** 2014. Aggregated seed dispersal increases species diversity in grassland communities. *Journal of Plant Ecology* 7:51-58. <https://doi.org/10.1093/jpe/rtt044>
JCR 5 year IF: 2.85; 51 of 145 journals in Ecology; *I developed the ideas, secured the funding, oversaw data collection, analyzed the data, and wrote the paper.*
- Houseman, G. R.**, B. L. Foster and C. E. Brassil. 2014. Propagule pressure-invasion relationships: testing the influence of fertility and disturbance with *Lespedeza cuneata* in grasslands. *Oecologia* 174:511-520. <https://doi.org/10.1007/s00442-013-2781-x>
JCR 5 year IF: 3.617; 40 of 145 journals in Ecology; *I developed the ideas assisted by my collaborators, secured the funding, collected the data, assisted with data analysis, and wrote the paper.*
- *Wong, B. M., **G. R. Houseman**, S. E., Hinman and B. L. Foster. 2012. Targeting vulnerable life-stages of sericea lespedeza (*Lespedeza cuneata*) with prescribed burns. *Invasive Plant Science and Management* 5:487-493. <https://doi.org/10.1614/IPSM-D-12-00002.1>
JCR 5 year IF: 1.238; 132 of 204 journals in Plant Sciences; *I helped develop the ideas, secured the funding, mentored the student (first author), and assisted with data analysis and writing.*
- Houseman, G. R.** and K. L. Gross. 2011. Linking grassland plant diversity to species pools, sorting and plant traits. *Journal of Ecology* 99:464-472. <https://doi.org/10.1111/j.1365-2745.2010.01786.x>
JCR 5 year IF: 6.314; 12 of 145 journals in Ecology; *I developed the ideas, secured the funding, collected and analyzed the data, and wrote the paper.*
- Foster, B. L., K. Kindscher, **G. R. Houseman** and C. A. Murphy. 2009. Effects of hay management and native species sowing on grassland community structure, biomass and restoration. *Ecological Applications* 19:1884-1896. <https://doi.org/10.1890/08-0849.1>
JCR 5 year IF: 5.508; 23 of 145 journals in Ecology; *I assisted with the development of the ideas and editing of the paper.*
- Houseman, G. R.**, G. G. Mittelbach, H. L. Reynolds and K. L. Gross. 2008. Perturbations alter community convergence, divergence, and formation of multiple community states. *Ecology* 89:2172-2180. <https://doi.org/10.1890/07-1228.1>

JCR 5 year IF: 6.155; 17 of 145 journals in Ecology; *I developed the idea, performed the data analysis, and wrote the paper.*

Reynolds, H. L., G. G. Mittelbach, T. Darcy-Hall and **G. R. Houseman**, K. L. Gross. 2007. No effect of varying soil resource heterogeneity on plant species richness in a low fertility grassland. *Journal of Ecology* 95:723-733. <https://doi.org/10.1111/j.1365-2745.2007.01252.x>
JCR 5 year IF: 6.314; 12 of 145 journals in Ecology; *I helped with data collection and data analysis, and assisted with writing.*

Houseman, G. R. and K. L. Gross. 2006. Does ecological filtering across a productivity gradient explain variation in species pool-richness relationships? *Oikos* 115:148-154. <https://doi.org/10.1111/j.2006.0030-1299.14743.x>
JCR 5 year IF: 3.444; 35 of 145 journals in Ecology; *I developed the idea, collected the data, performed the data analysis, and wrote the paper.*

Suding, K. N., K. L. Gross, and **G. R. Houseman**. 2004. Alternative states and positive feedbacks in restoration ecology. *Trends in Ecology and Evolution* 19:46-53. <https://doi.org/10.1016/j.tree.2003.10.005>
JCR 5 year IF: 19.819; 1 of 145 journals in Ecology; *I helped develop the idea, and provided editorial assistance.*

Houseman, G. R. and R. C. Anderson. 2002. Effects of jack pine plantations on Kirtland's warbler nest habitat and barrens flora. *Restoration Ecology* 10:27-36. <https://doi.org/10.1046/j.1526-100X.2002.10103.x>
JCR 5 year IF: 2.248; 73 of 145 journals in Ecology; *I helped develop the idea, secured the funding, collected the data, performed the data analysis, and wrote the paper.*

Anderson, R. C., R. M. Anderson and **G. R. Houseman**. 2002. American Ginseng. *Native Plants Journal* 3:93-97, 100-105.
JCR: not indexed; *I assisted with data collection and provided editorial input.*

* designates WSU student

M.S. THESIS ADVISOR

Schuman, C. R. 2025. The challenge of restoring grassland legumes: Testing the role of spatial patterns of seed arrival. M.S. Thesis, Wichita State University, Wichita, Kansas, USA.

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Bethel, A. M. 2023. Linking plant traits to species performance during early stages of community assembly in a tallgrass prairie. M.S. Thesis, Wichita State University, Wichita, Kansas, USA.

Houchen, B. B. 2023. The temporal response of a generalist soil-borne, fungal plant pathogen in native grassland communities. M.S. Thesis, Wichita State University, Wichita, Kansas, USA.

- Luu, K. N. 2022. Plant-soil feedbacks in a grassland ecosystem: effects of plant functional groups and soil fertility. M.S. Thesis, Wichita State University, Wichita, Kansas, USA.
- Kjaer, E. L. 2021. Relative experimental effects of exogenous and endogenous heterogeneity on plant community composition during community assembly. M.S. Thesis, Wichita State University, Wichita, Kansas, USA.
- Urban, A. J. 2020. Where have you bean? Understanding the distribution and abundance of legumes in grasslands across a precipitation gradient in Kansas. M.S. Thesis, Wichita State University, Wichita, Kansas, USA.
- Watson, D. F. 2019. Plant community changes on restored grasslands across a large-scale environmental gradient. M.S. Thesis, Wichita State University, Wichita, Kansas, USA.
- Smith, J. N. 2018. Population demographics of an invasive weed: responses to soil fertility and cattle management. M.S. Thesis, Wichita State University, Wichita, Kansas, USA.
- Schouten, O. S. 2017. Plant spatial structure is more dependent on endogenous processes than soil heterogeneity in an assembling community. M.S. Thesis, Wichita State University, Wichita, Kansas, USA.
- Reichenborn, M. M. 2016. Recovery of a prairie plant community following sericea lespedeza (*Lespedeza cuneata*) removal: testing for a soil legacy effect. M.S. Thesis, Wichita State University, Wichita, Kansas, USA.
- Quick, Z. I. 2015. Coping with pests: variable responses of grassland species to a native soil pathogen. M.S. Thesis, Wichita State University, Wichita, Kansas, USA.
- Williams, B. M. 2013. The influence of soil heterogeneity on plant species richness. M.S. Thesis, Wichita State University, Wichita, Kansas, USA.
- Coykendall, K. E. 2011. Invasive success of *Lespedeza cuneata*: Allelopathy and competition. M.S. Thesis, Wichita State University, Wichita, Kansas, USA.
- Wong, B. M. 2011. Reducing invasion by targeting vulnerable life stages: Effects of fire on survivorship of *Lespedeza cuneata*. M.S. Thesis, Wichita State University, Wichita, Kansas, USA.
- Samant, S. S. 2011. Does productivity matter? An investigation of habitat use by insect and small mammal herbivores in a grassland system. M.S. Thesis, Wichita State University, Wichita, Kansas, USA.

PRESENTATIONS

2025

Houseman, G. R., W. Jensen, E. Trumbo, M. Reichenborn, F. Watson, E. Kjaer, A. Morphew, A. Urban, E. Waite, G. Page and A. Dudley. Cattle grazing as a conservation tool to enhance plant diversity and habitat conditions in replanted grasslands. SER World Conference on Ecological Restoration, Society for Ecological Restoration, Denver, CO, Sept 30-Oct 3, 2025.

Houseman, G. R. Undoing homogenization: Testing the source and importance of habitat heterogeneity to plant and animal diversity in Kansas grasslands. EEB Graduate Student Organization Invited Speaker, University of Kansas, Feb 25, 2025.

Dudley, A., G. Page, G. E. Trumbo, W. Jensen and **G. R. Houseman**. Evaluating the Accuracy of Biomass Estimates from the Rangeland Analysis Platform (RAP) in Grassland Ecosystems. Kansas Natural Resources Conference, Manhattan, KS, Feb 7, 2025.

Page, G., **G. R. Houseman**, A. Dudley and E. Trumbo. Generating Habitat Opportunities for Wildlife on CRP Grasslands: A Multiscale Investigation of Grassland Heterogeneity. Kansas Natural Resources Conference, Manhattan, KS, Feb 7, 2025.

Trumbo, E., **G. R. Houseman**, W. Jensen, G. Page, A. Dudley and S. Biesemier. Comparing approaches for monitoring woody encroachment in Conservation Reserve Program lands of Kansas. Kansas Natural Resources Conference, Manhattan, KS, Feb 7, 2025.

2024

Houseman, G. R. Using cattle grazing as a conservation tool on restored grasslands. Konza LTER All-Scientists Meeting, Konza Prairie Biological Station, Manhattan, KS, May 21, 2024.

Russell, F. L., **G. R. Houseman** and J. M. Conard, J. M. Factors limiting plant species richness in ungrazed, restored prairie: effects of native herbivores and soil fertility. Kansas Natural Resources Conference, Hilton Garden Inn & Manhattan Conference Center, Manhattan, KS, Feb 9, 2024.

Houseman, G. R. Houseman Lab Research Update. Tallgrass Legacy Alliance Annual Meeting, Lyon County Fairgrounds, Emporia, KS, United States. Feb 22, 2024

2023

Bethel, A., **G. R. Houseman** and B. Barber. Combining goats and cattle to combat problematic plants in a Flint Hills pasture.

2021

Kjaer, E., **G. R. Houseman**, B. L. Foster, L. Laanisto and A. J. Golubski. The relative experimental effects of soil heterogeneity, aggregated seed arrival and patch size on plant community assembly. 106th Annual Meeting of the Ecological Society of American, virtual, Aug. 2-6, 2021.

Dea, H. I.; A. Kazarina, E. Ary, A. Urban, T. Loecke, **G. Houseman**, M. Greer, B. Sikes, S. Lee, T. Platt and A. Jumpponen. The interactive impact of annual precipitation and land use history on leaf, root, and soil microbial communities. Botany Meetings, virtual, July 18-23, 2021.

2020

Houseman, G. R., M. M. Reichenborn, W. E. Jensen and M. L. Jameson. Beyond local spatial scales and single trophic responses: An example of grazing research across a precipitation gradient. 105th Annual Meeting of the Ecological Society of American, virtual, Aug. 2-6, 2020.

Kjaer, E., **G. R. Houseman**, B. L. Foster, L. Laanisto and A. J. Golubski. Experimental effects of soil heterogeneity and aggregated seed arrival on plant community assembly. 105th Annual Meeting of the Ecological Society of American, virtual, Aug. 2-6, 2020.

Reichenborn, M. M., W. E. Jensen, **G. R. Houseman**, M. E. Jameson, *D. F. Watson, B. S. Wilson, *A. R. Morphew, *E. L. Kjaer, *E. S. Waite, and H. M. Kraus. 2020. Linking plant, insect, and bird responses to management of restored grasslands. 105th Annual Meeting of the Ecological Society of America, 3-6 August 2020, held virtually.

Avolio, M. L., K. J. Komatsu, S. L. Collins, E. Grman, **G. R. Houseman**, S. E. Koerner, M. D. Smith and K. R. Wilcox. Making sense out of multivariate patterns of community change. 105th Annual Meeting of the Ecological Society of American, virtual, Aug. 2-6, 2020.

Jensen, W. E., H. M. Kraus, B. S. Wilson, **G. R. Houseman**, M. E. Jameson, and M. M. Reichenborn. Does Cattle Grazing in CRP During the Nesting Season Impact Grassland Birds? 14th Annual Kansas Natural Resources Conference, 30-31 January 2020. Hilton Garden Inn, Manhattan, KS.

*Morphew, A. R., M. E. Jameson, **G.R. Houseman**, W. J. Jensen, M. R. Reichenborn, *D. F. Watson and *E. L. Kjaer. CRP Management Practices Differentially Affect Native Bees at an Ecoregional Scale. 14th Annual Kansas Natural Resources Conference, 30-31 January 2020. Hilton Garden Inn, Manhattan, KS.

*Watson, D. F., **G. R. Houseman**, M. L. Jameson, W. E. Jensen, M. M. Reichenborn, *A. R. Morphew and *E. L. Kjaer. Effects of Grazing and Conservation Practices

on CRP Plant Communities across Kansas. 14th Annual Kansas Natural Resources Conference, 30-31 January 2020. Hilton Garden Inn, Manhattan, KS.

2019

- *Waite, E. S., M. L. Jameson, **G. R. Houseman**, W. E. Jensen, M. Reichenborn, *F. Watson, *A. R. Morphew and *E. Kjaer. 2019. Differential responses of grassland ground beetle (Coleoptera: Carabidae) communities to Conservation Reserve Program management practices. Entomological Society of America, 17-20 November 2019, St. Louis, MO. –Waite received First place in the Graduate Ten Minute Paper Competition (SysEB: Biodiversity)
- Kraus, H. M., W. E. Jensen, M. E. Jameson, W. A. Boyle, **G. R. Houseman**, and M. M. Reichenborn. Nestling condition of a grassland bird not associated with food availability in restored grasslands. 71st Annual Meeting of the Kansas Ornithological Society, 4-6 October 2019. Sedgwick County Zoo in Wichita, KS.
- Wilson, B.S., W. E. Jensen, **G. R. Houseman**, M. E. Jameson, and M. M. Reichenborn. Does cattle grazing affect bird densities in CRP grasslands? 71st Annual Meeting of the Kansas Ornithological Society, 4-6 October 2019. Sedgwick County Zoo in Wichita, KS.
- Wilson, B.S., W. E. Jensen, **G. R. Houseman**, M. E. Jameson, and M. M. Reichenborn. Does cattle grazing or plant diversity affect bird densities in CRP grasslands? Joint Meeting of the American Fisheries Society and The Wildlife Society, 29 September - 3 October 2019, Reno-Sparks Convention Center, Reno, NV.
- Kraus, H. M., W. E. Jensen, M. E. Jameson, **G. R. Houseman**, and M. M. Reichenborn. Nestling condition of a grassland bird not associated with food availability in restored grasslands of the Great Plains. 104th Annual Meeting of the Ecological Society of America, 11-16 August 2019, Kentucky International Convention Center, Louisville, KY.
- *Morphew, A.R., M.L. Jameson, **G. R. Houseman**, W.E. Jensen, M.M. Reichenborn, and *D.F. Watson. 2019. Native bee responses to habitat management of restored grasslands in the Great Plains. 104th Annual Meeting of the Ecological Society of America, Louisville, KY. Aug. 11-16, 2019.
- *Watson, D. F, **G. R. Houseman**, M. L. Jameson, W. Jensen and M. Reichenborn. Effect of Grazing on conservation reserve program grasslands across a precipitation gradient. 104th Annual Meeting of the Ecological Society of America, 11-16 August 2019, Kentucky International Convention Center, Louisville, KY.
- *Morphew, A.R., M.L. Jameson, **G.R. Houseman**, W.E. Jensen, M.M. Reichenborn, *D.F. Watson, and *Esben Kjaer. 2019. Native bee responses to habitat

management of restored grasslands in the Great Plains. Kansas Entomological Society, March 2019, Johnson County Community College, Overland Park, KS.-- Morphew Received 2nd place for her oral presentation

- *Kjaer, E. and **G. R. Houseman**. The effects of aggregated seed arrival and soil heterogeneity on plant diversity. 151st Kansas Academy of Science Meetings, March 2019, Overland Park, KS.
- *Waite, E. S., M. E., Jameson, **G. R. Houseman**, W. E. Jensen, M. M. Reichenborn, *D. F. Watson, *A. R. Morphew, *E. L. Kjaer. 2019. How do ground beetles (Coleoptera: Carabidae) respond to Conservation Reserve Program management practices and environmental factors? Kansas Entomological Society, Johnson County Community College, Overland Park, KS. March 29-20, 2019. Waite Received 1st place for his oral presentation
- *Watson, D. F, **G. R. Houseman**, M. L. Jameson, W. Jensen and M. Reichenborn. Effect of Grazing and Planting Practice on CRP Vegetation Composition and Structure across Kansas. 151st Kansas Academy of Science Meetings, March 2019, Overland Park, KS.
- Kraus, H. M., W. E. Jensen, M. L. Jameson, **G. R. Houseman** and M. M. Reichenborn. Does cattle grazing and landscape configuration affect nest success and brood parasitism of birds in CRP grasslands? 13th Annual Kansas Natural Resources Conference, 31 January-1 February 2019. Hilton Garden Inn, Manhattan, KS.
- *Morphew, A. R., M. L. Jameson, **G. R. Houseman**, W. E. Jensen, M. M. Reichenborn and *D. F. Watson. Does native bee community composition differ between CRP planting practices? 13th Annual Kansas Natural Resources Conference, 31 January-1 February 2019. Hilton Garden Inn, Manhattan, KS.
- *Waite, E., M. L. Jameson, M. Reichenborn, *F. Watson and **G. R. Houseman**. Ground Beetle (Coleoptera: Carabidae) Responses to Habitat Management and Precipitation on Conservation Reserve Program Land in the Great Plains. 13th Annual Kansas Natural Resources Conference, 31 January-1 February 2019. Hilton Garden Inn, Manhattan, KS
- *Watson, D. F, **G. R. Houseman**, M. L. Jameson, W. Jensen and M Reichenborn. Effect of Grazing and Planting Practice on CRP Vegetation Composition and Structure across Kansas. 13th Annual Kansas Natural Resources Conference, 31 January-1 February 2019. Hilton Garden Inn, Manhattan, KS.
- Wilson, B. S., W. E. Jensen, M. E. Jameson, **G. R. Houseman**, and M. M. Reichenborn. Does Cattle Grazing or Plant Diversity Affect Bird Densities in CRP Grasslands? 13th Annual Kansas Natural Resources Conference, 31 January-1 February 2019. Hilton Garden Inn, Manhattan, KS.

2018

*Morphew, A. R., M. L. Jameson, **G. R. Houseman**, W. E. Jensen and M. Reichenborn. Do conservation reserve program pollinator plantings support diverse and abundant native bee communities? Entomological Society of America Meetings, 11-14 November 2018, Vancouver BC.

Waite, E. S., M. L. Jameson, M. Reichenborn, F. Watson and **G. Houseman**. 2018. Carabids and the Conservation Reserve Program: The effects of habitat management on grassland ground beetles (Coleoptera: Carabidae). Entomological Society of America, Vancouver, Canada, Nov. 12, 2018.—Waite Received Second place in the Graduate Ten Minute Paper Competition (SysEB: Biodiversity)

Kraus, H. M., W. E. Jensen, **G. R. Houseman**, M. E. Jameson, M. M. Reichenborn, and W. A. Boyle. Does nestling condition respond to arthropod biomass in CRP fields? 70th Annual Meeting of the Kansas Ornithological Society, 5-7 October 2018. University of Kansas, Lawrence, KS.

Wilson, B. S., W. E. Jensen, **G. R. Houseman**, M. E. Jameson, and M. M. Reichenborn. Effect of cattle grazing, plant diversity, and landscape composition on bird densities in CRP grasslands. 70th Annual Meeting of the Kansas Ornithological Society, 5-7 October 2018. University of Kansas, Lawrence, KS.

Houseman, G. R. Soil heterogeneity and plant diversity: Influence of soil versus plant sources of spatial structure. 103rd Ecological Society of America Meetings, 5-9 August 2018, New Orleans LA.

Avolio, M. L., K. J. La Pierre, S. L. Collins, E. Grman, **G. R. Housemen**, S. E. Koerner, M. D. Smith, A. Tredennick and K. R. Wilcox. Reordering is the dominant process driving community responses to global change drivers. 103rd Ecological Society of America Meetings, 5-9 August 2018, New Orleans LA.

*Morphew, A. R., M. E. Jameson, **G. R. Houseman**, W. Jensen and M. Reichenborn, Does conservation reserve program land support diverse and abundant bee communities? 150th Kansas Academy of Science Meetings, 7 April 2018, Washburn University, Topeka, KS.

*Watson, D. F., **G. R. Houseman**, M. L. Jameson and M. M. Reichenborn. Effects of precipitation, grazing, and initial planting practice on CRP plant diversity across Kansas. 150th Kansas Academy of Science Meetings, 7 April 2018, Washburn University, Topeka, KS.

*Morphew, A. R., M.L. Jameson, **G. R. Houseman**, W.E. Jensen, M.M. Reichenborn, and *D.F. Watson. 2018. Assessing the benefits of forbs and grazing on CRP land

for wild pollinator populations. 12th Annual Kansas Natural Resources Conference, 8-9 February 2018. Hilton Garden Inn, Manhattan, KS.

*Waite, Evan, Mary Liz Jameson, Molly Reichenborn, *Fraser Watson, and **Gregory Houseman**. 2018. Ground Beetle (Coleoptera: Carabidae) Responses to Habitat Management and Precipitation on Conservation Reserve Program Land in the Great Plains. 12th Annual Kansas Natural Resources Conference, 8-9 February 2018. Hilton Garden Inn, Manhattan, KS.

*Watson, D. F., **G. R. Houseman**, M. L. Jameson, W. E. Jensen, M. Reichenborn. Effects of precipitation, grazing and initial planting practice on CRP plant diversity across Kansas. 12th Annual Kansas Natural Resources Conference, 8-9 February 2018. Hilton Garden Inn, Manhattan, KS.

2017

Reichenborn, M*, W. E. Jensen, H. M. Kraus, *F. Watson, B. S. Wilson, *A. Morphew, *E. Waite, **G. R. Houseman**, and M. L. Jameson. Linking CRP grassland management to plant, insect, and bird abundance and diversity. Range Specialists Workshop – Natural Resources Conservation Service, 15 November 2017, Hampton Inn, Pratt, KS.

Houseman, G. R. and I. E. Buyuktahtakin. Integrating Modeling and Field Experiments to Guide Weed Management in Rangeland Systems. USDA-NIFA Project Directors Meeting, Washington D.C.

Mardis, D. R., J. Hadle, **G. R. Houseman** and M. L. Jameson. Assessing plant and herpetofaunal diversity among sites in the Flint Hills. 11th Kansas Natural Resources Conference, Wichita KS.

*Smith, J. N. and **G. R. Houseman**. Assessing population demographics of sericea (*Lespedeza cuneata*) in response to environmental variation and land management in the Great Plains. 13th Annual Symposium on Graduate Research and Scholarly Projects, Wichita State University, Wichita, KS.

2016

Houseman, G. R., B. M. Williams and O. S. Schouten 2016. Experimental evidence for positive heterogeneity-diversity relationships: causes and caveats. 101st Ecological Society of America Meetings.

*Reichenborn, **G. R. Houseman**, and B. L. Foster. 2016. Does sericea lespedeza (*Lespedeza cuneata*) create a soil legacy that impacts grassland recovery following invader control? 101st Ecological Society of America Meetings.

*Schouten, O. S. and **G. R. Houseman**. 2016. The influence of soil heterogeneity on the spatial structure of an assembling prairie plant community. 101st Ecological Society of American Meetings.

*Reichenborn, **G. R. Houseman**. 2016. Examining the relationship between topography and the distribution of sericea lespedeza (*Lespedeza cuneata*) through spatial analysis. 148th Kansas Academy of Science Meetings.

*Schouten, O. S. and **G. R. Houseman**. 2016. The influence of soil heterogeneity on the spatial structure of an assembling prairie plant community. 148th Kansas Academy of Science Meetings.

*Casey, H. A. and **G. R. Houseman**. 2016. Understanding low grass colonization and gap persistence in a Kansas prairie restoration. Kansas Natural Resources Conference.

Russell, F. L. and **G. R. Houseman**. 2016 Herbivory and soil nutrients limit population growth of the native thistle, *Cirsium altissimum* (tall thistle). Kansas Natural Resources Conference.

*Smith, J. and **G. R. Houseman**. 2016 Effects of fire on forb germination and survival in a restored prairie. Kansas Natural Resources Conference.

2015

Houseman, G. R. 2015. Intraspecifically aggregated seed arrival increases plant diversity in a low diversity grassland. 100th Ecological Society of America Meeting.

La Pierre, K., M. L. Avolio, F. I. Isbell, E. Grman, **G. R. Houseman**, D. S. Johnson, S. E. Koerner, K. R. Wilcox. 2015. Patterns of convergence and divergence: a meta-analysis of variability of community responses to global change drivers. 100th Ecological Society of America Meeting.

Foster, B. L, **G. R. Houseman**, D. R. Hall, S. E. Hinman and M. M. Reichenborn. 2015. Does tall-grass prairie restoration enhance the invasion resistance of post-agricultural lands? 6th World Conference on Ecological Restoration.

Russell, F. L. & **G. R. Houseman**. 2015. Effects of herbivory and soil fertility on tall thistle (*Cirsium altissimum*) population density and growth. Botanical Society of America Meeting.

*Quick, Z. I. and **G. R. Houseman**. 2015. Coping with pests: variable responses of grassland species to a native soil pathogen. 147th Kansas Academy of Science Meeting.

- *Reichenborn, M. M. and **G. R. Houseman**. 2015. Does sericea lespedeza (*Lespedeza cuneata*) create a soil legacy that impacts grassland recovery? 147th Kansas Academy of Science Meeting.
- *Smith, J. N. and **G. R. Houseman**. 2015. The Effects of fire on forb germination and survival in a South-Central Kansas Tallgrass Prairie. 147th Kansas Academy of Science Meeting.
- Houseman, G. R.** 2015. Can the spatial pattern of seeding enhance plant diversity in grassland restorations? Kansas Natural Resources Conference.
- *Reichenborn, M. M. and **G. R. Houseman**. 2015. Recovery of prairie following sericea lespedeza removal: Testing for a soil legacy effect. Kansas Natural Resources Conference.
- *Smith, J. N. and **G. R. Houseman**. 2015. The Effects of Fire on Forb Germination, Mortality, and Survivorship in a South-Central Kansas Tallgrass Prairie. Kansas Natural Resource Conference.

2014

- Houseman, G. R.** and F. L. Russell. 2014. Interactive effects of insects, mammals, and soil fertility on grassland plant community structure. 99th Ecological Society of America Meeting.
- Bittel, A., B. L. Foster and **G. R. Houseman**. 2014. Functional trait analysis indicates deterministic assembly in experimental tallgrass prairies. 99th Ecological Society of America Meeting.
- Houseman, G. R.** 2014. Long-term research at the Wichita State Biological Field Station: Bringing breadth to the precipitation gradient in Kansas. 146th Kansas Academy of Science Meeting.
- Houseman, G. R.** and F. L. Russell. 2014. Influence of Non-bovine herbivores on grassland biomass and composition. Kansas Natural Resources Conference.
- *Quick, Z. I, **G. R. Houseman** and E. Buyuktahtakin. 2014. Assessment of wind and mammal mediated seed dispersal in sericea (*Lespedeza cuneata*). Kansas Natural Resources Conference.
- Buyuktahtakin, E., *E. Kibis, *H. Cobuloglu, *T. Lampe and **G. R. Houseman**. 2014. “An economic-biological optimization model to determine sustainable long-term control strategies for sericea invasion. Kansas Natural Resources Conference.

2013

- Houseman, G. R.** 2013. Seed aggregation increases plant diversity in grassland communities. 98th Ecological Society of America Meeting.

- *Williams, B. M. and **G. R. Houseman**. 2013. Plant species richness increases with soil heterogeneity: Evidence from a field experiment. 98th Ecological Society of America Meeting.
- Roccaforte, K. A., B. L. Foster, A. T. Bittel and **G. R. Houseman**. 2013. Effects of soil fertility and initial community states on small-scale plant species richness. 98th Ecological Society of America Meeting.
- Bittel, A. T., B. L. Foster and **G. R. Houseman**. 2013. Influence of stochastic and deterministic community assembly on beta-diversity in a long-term grassland experiment. 98th Ecological Society of America Meeting.
- Hall, D. R., B. L. Foster, **G. R. Houseman**, C. C. Freeman and J. M. Delisle. 2013. Past agricultural activity and current vegetation cover are consistent predictors of invasion and spread of sericea at local and landscape scales. 98th Ecological Society of America Meeting.
- *Williams, B. M. and **G. R. Houseman**. 2013. Plant species richness increases with soil heterogeneity: Evidence from a field experiment. 145th Kansas Academy of Science Meeting.
- Quick, Z. I. and **G. R. Houseman**. 2013. Effects of insect and mammalian herbivores on the performance of a native sunflower. Kansas Undergraduate Research Day at the Capital Representing Wichita State University.
- Houseman, G. R.** 2013. The invasion ecology of sericea (*Lespedeza cuneata*): Searching for an Achilles' heel. Kansas Natural Resources Conference.
- *Williams, B. M. and **G. R. Houseman**. 2013. Can soil heterogeneity increase species diversity? Kansas Natural Resources Conference.
- Buyuktahtakin, E., *R. K. Narasimhan, *T. Lampe and **G. R. Housman**. 2013. Controlling the invasion of sericea (*Lespedeza cuneata*) with limited budgets: Insights from an optimization model. Kansas Natural Resources Conference.
- Hall, D. R., B. L. Foster and **G. R. Houseman**. 2013. Does prairie restoration reduce the establishment and spread of *Lespedeza cuneata*? Kansas Natural Resources Conference.
- 2012
- Russell, F. L. and **G. R. Houseman**. 2012. High soil nitrogen levels and insect herbivory suppress tall thistle (*Cirsium altissimum*) rosette survival. 97th Ecological Society of America Meeting.
- Bittel, A. T., B. L. Foster and **G. R. Houseman**. 2012. Exploring stochastic and niche-based community assembly dynamics in a long-term grassland field experiment. 97th Ecological Society of America Meeting.

- *Williams, B. M. & **G. R. Houseman**. 2012. Can soil heterogeneity enhance plant diversity? 144th Kansas Academy of Science Meeting.
- *Quick, Z. I., **G. R. Houseman** and F. L. Russell. 2012. The effect of herbivory and soil fertility on the reproductive success of *Helianthus maximiliani*. 144th Kansas Academy of Science Meeting.
- *Wong, B. M., **G. R. Houseman**, S. Hinman and B. L Foster. 2012. Reducing invasion by targeting vulnerable life stages: Effects of fire on survivorship of *Lespedeza cuneata* (Sericea). 144th Kansas Academy of Science Meeting.
- *Coykendall, K. E. and **G. R. Houseman**. 2012. Linking prairie invasions by sericea (*Lespedeza cuneata*) to resource competition and plant-soil feedback. 8th Graduate Research and Scholarly Projects Symposium, Wichita State University.
- *Wong, B. M., **G. R. Houseman**, S. Hinman and B. L. Foster. 2012. Reducing invasion by targeting vulnerable life stages: Effects of fire on survivorship of *Lespedeza cuneata* (Sericea). 8th Graduate Research and Scholarly Projects Symposium, Wichita State University.
- *Quick, Z. I., **G. R. Houseman** and F. L. Russell. 2012. The effect of herbivory and soil fertility on the reproductive success of *Helianthus maximiliani*. 12th Undergraduate Research and Creative Activity Forum, Wichita State University.

2011

- Houseman, G. R.** and *D. D. Wixson. 2011. Contrasting a native and invasive legume: competitive effect on and response to sixteen natives species. 96th Ecological Society of America Meeting.
- *Coykendall, K. and **G. R. Houseman**. 2011. Facilitating invasion by altering soil conditions: Evidence from *Lespedeza cuneata*. 96th Ecological Society of America Meeting.
- Russell, F. L. and **G. R. Houseman**. 2011. High soil nitrogen levels and insect herbivory suppress tall thistle (*Cirsium altissimum*) rosette survival. 96th Ecological Society of America Meeting.
- Houseman, G. R.** 2011. Spatial patterns of dispersal coupled with immigration rates influence plant community richness and evenness. Grasslands in a Global Context, International Symposium, Kansas State University.
- *Samant, S. S. and **G. R. Houseman**. 2011. Does productivity matter? An investigation of habitat use by insect and small mammal herbivores in a grassland system. 143rd Kansas Academy of Science Meeting.

- *Quick, Z. I. and **G. R. Houseman**. 2011. Herbivore diversity alters different fitness components of *Helianthus maximiliani*. 143rd Kansas Academy of Science Meeting.
- *Coykendall, K. and **G. R. Houseman**. 2011. Facilitating invasion by altering soil conditions: Evidence from *Lespedeza cuneata*. 7th Graduate Research and Scholarly Projects Symposium, Wichita State University
- *Samant, S. S. and **G. R. Houseman**. 2011. Does productivity matter? An investigation of habitat use by insect and small mammal herbivores in a grassland system. 7th Graduate Research and Scholarly Projects Symposium, Wichita State University
- *Wong, B. M. and **G. R. Houseman**. 2011. Reducing invasion by targeting vulnerable life-stages: Effects of fire on survivorship of *Lespedeza cuneata*. 7th Graduate Research and Scholarly Projects Symposium, Wichita State University.
- *Quick, Z. I. and G. R. Houseman. 2011. Herbivore diversity alters different fitness components of *Helianthus maximiliani*. 11th Undergraduate Research and Creative Activity Forum, Wichita State University.

2010

- Houseman, G. R.** 2010. The influence of seed pool composition and density on plant emergence. 95th Ecological Society of America Meeting.
- *Mahoney, A. K. and **G. R. Houseman**. 2010. Effects of seed leachate from an invasive plant on germination of native forb species. 142nd Kansas Academy of Science Meeting.
- *Ofsthun, N. P. and **G. R. Houseman**. 2010. The influence of seed-seed interactions on plant emergence. 142nd Kansas Academy of Science Meeting..
- *Mahoney, A. K. and **G. R. Houseman**. 2010. Effects of seed leachate from an invasive plant on germination of native species. 10th Undergraduate Research and Creative Activity Forum, Wichita State University.
- *Ofsthun, N. P. and **G. R. Houseman**. 2010. The influence of seed-seed interactions on plant emergence. 10th Undergraduate Research and Creative Activity Forum, Wichita State University.

2009

- Houseman, G. R.**, B. L. Foster and C. E. Brassil. 2009. Propagule pressure-establishment relationships vary with environmental conditions for *Lespedeza cuneata* in a Kansas grassland. 94th Ecological Society of America Meeting.
- *Mahoney, A. K. and **G. R. Houseman**. 2009. Linking seed leachate with negative-density dependent germination in sericea (*Lespedeza cuneata*). 141st Kansas Academy of Science Meeting.

2008

Brassil, C. E., **G. R. Houseman**, J. O. Eckberg, and B. L. Foster. 2008. A spatially explicit model of propagule pressure and invasion in prairie systems. 93rd Ecological Society of America Meeting.

Houseman, G. R., B. L. Foster and K. Kindscher. 2008. Conversion from HILD to LIHD grasslands by seed addition: impacts on plant diversity and production under hay management. Conference on the Ecological Dimensions of Biofuels, Ecological Society of America.

Presentations prior to WSU start date (2008) omitted

INVITED PRESENTATIONS

“Soil heterogeneity & plant diversity: influence of soil versus plant sources of spatial structure”
Kansas State University, 21 October 2021

“Does fine-scale heterogeneity really promote plant diversity or do we have it backwards?”
University of Nebraska-Lincoln, 30 November 2017

“The invasion ecology of sericea (*Lespedeza cuneata*): Searching for an Achilles’ heel” Tallgrass
Legacy Alliance, January 2016

“Does fine-scale heterogeneity *really* promote plant diversity or do we have it backwards?”
University of Kansas 2015.

“Does fine-scale heterogeneity *really* promote plant diversity or do we have it backwards?”
University of Nebraska-Omaha 2014.

“Does fine-scale heterogeneity *really* promote plant diversity or do we have it backwards?”
University of Tabor College, Hillsboro, KS 2014.

“Linking dispersal, disturbance, and ecosystem fertility to grassland community structure”
Emporia State University 2011.

“The invasion ecology of sericea (*Lespedeza cuneata*): searching for an Achilles’ heel”
University of Kansas, December 2010.

“Thinking beyond site boundaries: the influence of local-regional interactions on grassland
restoration” Florida Atlantic University, April 2010.

“Thinking beyond site boundaries: regional influences on prairie and savanna restoration” Prairie
and Savanna Restoration: The state of the art and science. Illinois State University March
2009.

“Linking species pools, disturbance, and ecosystem fertility to plant community structure and function” Kansas State University, December 2008.

“The influence of species pools on grassland plant diversity” Biology Department, Kalamazoo College, 2002.

“Predicting community invasibility based on site fertility: a framework for natural systems agriculture” The Land Institute, Salina, Kansas, 2001.

“Prairie Restoration”, AuSable Institute of Environmental Studies 1997.

STUDENT RESEARCH AWARDS (supervised by Houseman)

2015

Smith, 1st place, undergraduate poster presentation, Kansas Natural Resources Conference

Reichenborn 1st place, graduate student oral presentation, Kansas Natural Resources Conference

Smith, 2nd place, undergraduate poster presentation, WSU-URCAF

Smith, WSU Honors College, Undergraduate Student Research Grant (\$1000)

Reichenborn, WSU Graduate School, Maggard Research Grant (\$500)

2014

Quick, 2nd place, graduate student poster presentation 146th meeting, Kansas Academy of Science

2013

Williams, 2nd place, graduate student oral presentation, 145th meeting, Kansas Academy of Science

Quick, selected from WSU to present his research at the Kansas Undergraduate Research Day at the Capital, Topeka, Kansas

2012

Williams, 2nd place, graduate student poster presentation, 144th meeting, Kansas Academy of Science

Coykendall, selected from WSU to present her research at the Kansas Undergraduate Research Day at the Capital, Topeka, Kansas

2011

Quick, 2nd place, undergraduate poster presentation, 143rd meeting, Kansas Academy of Science

Samant, 1st place, poster presentation, 7th Graduate Research and Scholarly Projects Symposium, Wichita State University

Coykendall, 2nd place, poster presentation, 7th Graduate Research and Scholarly Projects Symposium, Wichita State University

Quick, 2nd place, poster presentation, 11th Undergraduate Research and Creative Activity Forum, Wichita State University

2010

Mahoney, 1st place, undergraduate poster presentation, 142nd meeting, Kansas Academy of Science

Ofsthun, 2nd place, undergraduate poster presentation, 142nd meeting, Kansas Academy of Science

Mahoney, 2nd place, poster presentation, 10th Undergraduate Research and Creative Activity Forum, Wichita State University

PROFESSIONAL ACTIVITIES

Post-doctoral co-advisor for Meghan Avolio; Research proposal developed with Houseman received a postdoctoral fellowship at the National Socio-Environmental Synthesis Center (SESYNC)

LTER working group member based on Houseman's 2008 paper in Ecology.

NSF Panelist 2016

Proposal Review: NSF & National Geographic Society

Manuscript Reviewer for: Ecology Letters, Ecology, Ecological Applications, Journal of Ecology, Functional Ecology, Oikos, Oecologia, Biological Invasions, Journal of Plant Ecology, Restoration Ecology, Plant Ecology, Biodiversity & Conservation, Ecography, Invasive Plant Science and Management, Journal of Arid Environments, Acta Oecologia, American Midland Naturalist.

Member: Ecological Society of America; Society for Ecological Restoration; Society for Range Management; Kansas Academy of Science

MEDIA ATTENTION

Radio interview on WIBW 10 Aug 2016

Television interview for Wichita State and the World, November 2010

Radio interview with Rural Radio Network 2010

Interview with Sunflower newspaper, February 2010

TEACHING EXPERIENCE

Instructor of record:

- Ecosystem Management & Restoration (Wichita State University)
- Plant Ecology (Wichita State University)
- Plant Ecology Laboratory (Wichita State University)
- Field Botany (Wichita State University)
- General Biology II (Wichita State University)
- Biology Colloquium (Wichita State University)
- Departmental Seminar (Wichita State University)
- Current Topics in Conservation Biology (Michigan State University 2006)
- Population and Community Ecology (Kalamazoo College 2006)

Building Level Scientist, MSU-KBS K12 science literacy program 2002-2004.
Science advisor and workshop leader utilizing inquiry approaches for K-12 teachers.

Teaching Assistant:

- Ecology Lab 1998, MSU
- Ecology Lab 1997-1998, ISU
- Introductory Biology Lab for majors 1999-2000, MSU
- Introductory Biology Lab for non-majors 1999, MSU
- Introductory Biology Lab 1996-1997, ISU

Environmental education K-8, AuSable Institute of Environmental Studies, Mancelona, Michigan.