

## CURRICULUM VITAE

Keith W. Kisselle

### EDUCATION:

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| 2000-2003 | National Research Council Postdoctoral Associate<br>U.S. Environmental Protection Agency, Athens, GA |
| 1994-1998 | Ph.D. in Ecology with an emphasis in Environmental Ethics,<br>University of Georgia, Athens, GA      |
| 1990-1993 | M.S. in Environmental Science<br>Ohio State University, Columbus, OH                                 |
| 1985-1989 | B.A. in Biology,<br>DePauw University, Greencastle, IN   |

### POSITIONS HELD:

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| 2012- PRESENT  | Academic Chair of Environmental Studies, Austin College                  |
| 2009 - PRESENT | Associate Professor of Environmental Science and Biology, Austin College |
| 2003 - 2009    | Assistant Professor of Environmental Science and Biology, Austin College |

### COURSES TAUGHT AT AUSTIN COLLEGE:

Full Semester Courses: Evolution, Animal Behavior & Ecology (1<sup>st</sup>-year biology), Fundamentals of Environmental Studies, Ecosystem Ecology, Globalization, Freshmen Seminar (Communications/Inquiry)

JanTerms: Brazilian Ecosystems, Sustainability Challenge, Lessons from Evolution, Everglades Ecology & Natural History; Natural History of the Hawaiian Islands

### PROFESSIONAL SOCIETY MEMBERSHIPS:

Ecological Society of America  
Soil Science Society of America

### STUDENT DIRECTED RESEARCH PRESENTATIONS:

- Ahle, D. and M. Meyer 2015. The impact of prairie restoration on soil enzyme activity. Biology seminar talk with anticipated presentation at 2016 Austin College Science Division Research Poster Symposium.
- Li, M, A. McMillan, K.W. Kisselle and K.E. Reed. 2015. Dynamics of Soil Enzymes and Fungal Communities at the Sneed Prairie Restoration Sites in Grayson County, TX. Austin College Science Division Research Poster Symposium.
- Krisan, A., M. Modèn, and S. Nystrom. 2012. Effects of prairie restoration on soil enzymes and fungal communities in Grayson County, Texas. North Texas Life Science Research Symposium. University of North Texas Health Science Center, Fort Worth, Texas & Austin College Science Division Research Poster Symposium
- Kisselle, K. W., K. E. Reed, A. J. Horton, L. St. Clair, and R. Stone. Effects of plant species and soil characteristics on rhizosphere microbial community structure in North Texas prairies. Ecological Society of America National Meeting. August 2011.
- Stone, R., L. St. Clair, K. Kisselle, and K. Reed. 2011. Rhizosphere bacterial community structure in North

Texas prairies is influenced more by soil texture than grass species. Austin College Science Division Research Poster Symposium.

Horton, A. J., K. Kisselle, and K. Reed. 2010. Effect of soil type and grass species on rhizosphere bacterial community structure in North Texas prairies. Austin College Science Division Research Poster Symposium.

Horton, A.J. and K. Kisselle. 2008. Using BIOLOG and nitrogen analysis as indicators of prairie restoration. Austin College Science Division Research Poster Symposium.

#### **PUBLICATIONS:**

L.T. Viana, M.M.C. Bustamante, M. Molina, A.S. Pinto, K. Kisselle, R. Zepp and R. A. Burke. 2011. Microbial communities in Cerrado soils under native vegetation subjected to prescribed fire and under pasture. *Pesquisa Agropecuária Brasileira* v.46, n.12, p.1665-1672.

A.S. Pinto, M.M.C. Bustamante, K. Kisselle, R. Burke, R. Zepp, L.T. Viana, R.F. Varella. 2002. Soil emissions of N<sub>2</sub>O, NO and CO<sub>2</sub> in Brazilian Savannas: effects of vegetation type, seasonality and prescribed fires. *Journal of Geophysical Research* 107 (57), 1-9

Kisselle, K.W., R.G. Zepp, R.A. Burke, A. Pinto, M.M.C. Bustamante, S. Opsahl, R. F. Varella, and L. T. Viana. 2002. Seasonal soil fluxes of carbon monoxide in burned and unburned Brazilian savannas. *Journal of Geophysical Research*.

Kisselle, K.W., C.J. Garrett, S. Fu, P.F. Hendrix, D.A. Crossley, Jr., D. C. Coleman, and R.L. Potter. 2001. Budgets for root-derived C and litter-derived C: comparison between conventional tillage and no tillage soils. *Soil Biology and Biochemistry*. 33:1067-1075.

Garrett, C.J., D.A. Crossley, D.C. Coleman, P.F. Hendrix, K.W. Kisselle, R.L. Potter. 2001. Impact of the rhizosphere on soil microarthropods in agroecosystems on the Georgia piedmont. *Applied Soil Ecology*. 16:141-148.

Fu, S.L., K. W. Kisselle, D.C., Coleman, P. F. Hendrix, and D. A. Crossley, Jr., 2001. The short-term impacts of aboveground herbivory (grasshopper) on the abundance and <sup>14</sup>C activity of soil nematodes in conventional tillage and no-till agroecosystems. *Soil Biology and Biochemistry*. 33:1253-1258.

Fu, S.L., M.L. Cabrera, D.C. Coleman, K.W. Kisselle, C.J. Garrett, P.F. Hendrix, D.A. Crossley, Jr. 2001. Soil carbon dynamics of conventional tillage and no-till agroecosystems at Georgia Piedmont - HSB-C models. *Ecological Modeling*. 131:229-248.

Kisselle, K.W., C.J. Garrett, P. F. Hendrix, D. A. Crossley, Jr., and D. C. Coleman. 1999. Method for <sup>14</sup>C-labeling Maize field plots and assessment of label uniformity within plots. *Communications in Soil Science and Plant Analysis*. 30: 1759-1771

Kisselle, K.W. 1994. Seasonal fluctuations of available phosphorus as measured by anion exchange membranes in corn and alfalfa under organic and conventional systems. M.S. thesis, Ohio State University, Columbus, OH.

#### **COLLEGE SERVICE:**

Faculty Executive Committee Chair, 2016

Faculty Executive Committee, 2015-Present

Curriculum Committee, Spring 2012  
Presidential Scholarships, 2003-2008  
Environmental Studies Steering Committee, 2003-present  
ThinkGreen coordinator, 2011-2013

**COMMUNITY SERVICE:**

Austin College Great Day of Service, 2003-present  
Austin College GreenServe Site manager, 2011-present  
Faculty Sponsor of ECOS, Student Environmental Group, 2011-present  
Assist manager of Sherman Symphonic Orchestra, 2012-2015  
Guest Instructor for Bluestem Chapter of Master Naturalists, 2011