

## ***CURRICULUM VITAE***

September, 2018

**Erica Ann Corbett**  
**Professor of Biological Science**  
**Southeastern Oklahoma State University**  
Dept. of Biological Sciences  
425 W. University Boulevard  
Durant, OK 74701-0609  
ecorbett@se.edu

### **EDUCATION**

1999	Ph.D. Biological Sciences	Illinois State University
1995	M.S. Biological Sciences	Illinois State University
1990	B. S. Biological Sciences	The University of Michigan

### **ACADEMIC AND RELATED NON-ACADEMIC EXPERIENCE**

2011-present	Professor of Biological Sciences, Southeastern Oklahoma State University
2004-2011	Associate Professor of Biological Sciences, Southeastern Oklahoma State University
1999-2004	Assistant Professor of Biological Sciences, Southeastern Oklahoma State University
1998 University	Lecture Assistant and Tutor (Biological Sciences), Illinois State University
1997	Instructor (Biological Sciences), Lincoln College, Normal, Illinois
1994-1999	Teaching Assistant (Biological Sciences), Illinois State University
1993-1994	Research Assistant (Biological Sciences, advisor R. C. Anderson), Illinois State University
1992-1993	Teaching Assistant (Biological Sciences), Illinois State University
1990-1992	Teaching Assistant (Biological Sciences), The University of Michigan
1990	Volunteer at Illinois State University Museum (science)
1988-1989	Assistant at the Governor's Summer Institute for Gifted and Talented High School Students, University of Akron (Ohio).

## **PROFESSIONAL INTERESTS**

Plant Ecology  
Restoration Ecology  
Conservation Biology  
Biostatistics  
Geographic Information Systems  
Experience in herbarium specimen preparation and management

## **SELECTED COMMITTEES AND SPECIAL ASSIGNMENTS**

2012-2013 Chair, Education Section, Oklahoma Academy of Science

2010-present Chair, Scholarship Committee, Durant Branch AAUW

2009-2010 Chair, Education Section, Oklahoma Academy of Science

2007-2009 Chair, Southeastern Oklahoma State University Library Committee

2008-2014 Member Keep Durant Beautiful Committee

2006-2007 Chair, Education Section, Oklahoma Academy of Science

2005-present Departmental liaison to Library

2003-present Departmental liaison to Honors Program

2005-2006 Chair, Southeastern Oklahoma State University Curriculum Committee

2000-2004 Southeastern Oklahoma State University Library Committee

2000-2006 Southeastern Oklahoma State University Curriculum Committee

2001 Engels Endowed Chair Committee (Southeastern Oklahoma State University)

2000-2007 Durant Beautification Council (group was disbanded)

1999-present American Association of University Women, Durant Branch (Vice-President for Membership, 2000-2002; President, 2002-2004, 2004-2006, 2006-2008, Secretary 2008-present)

## **AWARDS AND HONORS**

- 1987 Angell Scholar, University of Michigan  
1990 Graduated with Honors in Biology, University of Michigan  
1991-1999 Member of Beta Lambda Chapter of Phi Sigma (biology honorary society)  
1993, 1994 Graduate School Association Grant (Illinois State University) Phi Sigma Grant  
1995 Master's thesis nominated for James L. Fisher Outstanding Thesis Award  
1996, 1998 Omar Rilette Travel Scholarship  
1998 Falconfyre Foundation grant for continuing research in Ecology  
1998 R. D. Weigel Research Grant  
1999 Outstanding University Teaching Assistant Award, Illinois State University  
2012 Nominated for Faculty Senate Recognition Award for Excellence in Teaching in the School of Arts and Sciences.  
2017 Faculty Senate Recognition Award for Excellence in Outstanding Research and Scholarly Activity  
2018 Nominated for Faculty Senate Recognition Award for Excellence in Teaching  
2019 Nominated for Faculty Senate Recognition Award for Excellence in Teaching

## **PROFESSIONAL MEMBERSHIPS**

Oklahoma Academy of Science  
Southern Appalachian Botanical Society  
Sigma Xi Society  
American Association of University Women  
Oklahoma Native Plant Society

## **EFFECTIVE TEACHING**

I developed (with Dr. Doug Wood) a new course for my department in Geographic Information Systems. This course was first taught in Fall 2004 and provides further opportunities for our Conservation students, as well as for graduate students in the department.

I have also re-vamped the Ecology course (BIOL 3414) to include independent student research projects.

I was the head of Diana Bannister's Master's of Technology Committee, and I have assisted James Vincent with his thesis research, and have served on Phillip Leonard's thesis committee and David Eason's Master's committee. I served on Gary Akin's Master's Thesis committee.

In Fall 2017, I revamped and taught Environmental Policy and Law, following Margaret Avard's retirement.

I have had a number of undergraduate students do independent research working with me Sarah Noel working on Lichens and Lowell Mahaffey working on allelopathy of *Serecia lespedeza*. In 2011, I worked with Penny Blanton and Kirsten Shaffer on an analysis of forested areas around Lake Texoma. Most recently, Andrea Lashley and I have worked on a study of red-cedar allelopathy and a paper based on our work is in press.

In 2018, I supervised a graduate research project for Amber McCabe

I am also the departmental liaison to the Honors Program and have supervised two students in Honors' class projects.

## **PUBLICATIONS**

### ***Refereed Journal Articles***

Corbett, E. A., R. C. Anderson, and C. S. Rodgers. (1996). Prairie plant revegetation of a former strip mine in Illinois, fifteen years after establishment. Restoration Ecology 4(4), 346-354.

Corbett, R. G. and E. A. Corbett. (2000). Geology programs and disciplinary accreditation. Journal of Geoscience Education 40: 130-134.

Corbett, E. A. and R. C. Anderson. (2001). Patterns of prairie plant species in Illinois' landscape. Proceedings of the 17<sup>th</sup> North American Prairie Conference, pp: 177-181.

Anderson, R. C., E. A. Corbett, M. R. Anderson, G. A. Corbett, and T. M. Kelley. (2001). High white-tailed deer density has negative impact on tallgrass prairie forbs. Journal of the Torrey Botanical Society 128 (4), 381-392.

Vogt, J. T., R. A. Grantham, E. Corbett, S. A. Rice, and R. E. Wright. (2002). Dietary habits of *Solenopsis invicta* (Hymenoptera: Formicidae) in four Oklahoma habitats. Environmental Entomology 31 (1), 47-53.

Corbett, E. A., D. L. Bannister, L. Bell, and C. Richards. (2002). Vegetational ecology of a disturbed woodland on the shore of Lake Texoma, Oklahoma. Proceedings of the Oklahoma Academy of Science 82, 15-25.

Corbett, E. A. and G. A. Corbett. 2003. Comparison of Managed and Unmanaged Mesic Prairie Remnants in Central Illinois. Proc. 18<sup>th</sup> N. A. Prairie Conference. S.A. Fore, editor. Truman State University Press, Kirksville, MO. Pgs. 157-163.

- Corbett, E. A. and G. A. Corbett. 2004. A reanalysis of 1960s Michigan old-field data. *Michigan Botanist*. 43: 41-56.
- Corbett, E. A. 2004. Comparison of Illinois remnant prairies, 1976 to 1998. Proc. 19<sup>th</sup> N. A. Prairie Conference, D. Egan, J. A. Harrington, Eds. University of Wisconsin, Madison. Pp. 36-43.  
(Available online at <http://digicoll.library.wisc.edu/cgi-bin/EcoNatRes/EcoNatRes-idx?type=article&did=ECONATRES.NAPC19.I0009&isize=M>)
- Corbett, E. A. and R. C. Anderson. 2006. Landscape analysis of Illinois and Wisconsin Remnant prairies. *Journal of the Torrey Botanical Society* 133:267-279
- Corbett, E. A. 2010. Allelopathic effects of sericea lespedeza on prairie species. Proceedings of the 21<sup>st</sup> North American Prairie Conference, B. Borsari, Editor. Pp. 108-115
- Corbett, E.A. 2012. Initial survey of soil invertebrates in a disturbed Oklahoma grassland. Proceedings of the 22<sup>nd</sup> North American Prairie Conference D. Williams, B. Butler, D. Smith, eds.Pp. 101-105.
- Corbett, E.A., P. Blanton, and K. Talbot. 2013. Forest diversity around Lake Texoma, Oklahoma and Texas. Proceedings of the Oklahoma Academy of Science 93: 41-54.
- Corbett, E. A. 2015. Soil invertebrate community response to climate patterns in a South-Central Oklahoma Grassland. Proceedings of the Oklahoma Academy of Science 95: 9-19.
- Corbett, Erica A. and Patton, Tim, "14. Ten Years of Vegetation Observations on Formerly Grazed Oklahoma Grassland" (2016). *North American Prairie Conference Proceedings*. 12. <https://ir.library.illinoisstate.edu/napc/12>
- Anderson, R. C., M. R. Anderson, and E. A. Corbett. 2017. White-tailed deer and fire effects on flowering diversity of tallgrass prairie forbs. *Journal of the Torrey Botanical Society* 144(3) 243-253.
- Corbett, E. A. and T. Patton 2016. Ten years of vegetation observations on formerly-grazed Oklahoma grassland. Proceedings of the 24<sup>th</sup> North American Prairie Conference
- Corbett, E. A. and A. Lashley 2017. Laboratory studies of allelopathic effects of *Juniperus virginiana* (L.) on five species of native plants. *Oklahoma Native Plant Record* 17: 37-52
- Corbett, E. A. and A. McCabe. In Review. Eighteen years of change in a degraded grassland in south-central Oklahoma. Submitted to *Oklahoma Native Plant Record*.

***Published Abstracts and Other Publications of Non-Refereed Journal Articles***

Corbett, E. A. and R. C. Anderson. (1994). Prairie restoration on a former strip mine: 15 years later. Bulletin of the Ecological Society of America (supplement) 75 (2)

Anderson, M. R., E. A. Corbett, G. A. Corbett, K. J. Roberts, T. M. Kelley, and R. C. Anderson. (1994). Influence of white-tail deer (*Odocoileus virginianus*) browsing on prairie forbs in Illinois. Bulletin of the Ecological Society of America (supplement) 75(2)

R. C. Anderson, E. Corbett, M. R. Anderson, G. Corbett, J. Nelson. (1994). Influence of deer browsing on prairie forbs. in T. E. Rice, ed., Proceedings of the Fourth Central Illinois Prairie Conference, Milliken University, Decatur, Illinois. pp. 64-66.

Corbett, E. A. and R. C. Anderson. (1995). Mycorrhizal inoculum in the rhizosphere of C3 and C4 plants on a reclaimed strip mine. Bulletin of the Ecological Society of America (supplement) 76 (2).

Corbett, E. A., R. C. Anderson, and G. F. Aspbury. (1995). Geographic Influences on Illinois Tension Zones. Transactions of the Illinois State Academy of Science - supplement to Vol. 88.

Anderson, M. R., R. C. Anderson, E. Corbett, G. Corbett. (1995). Selection of prairie forbs by white-tailed deer and non-deer foragers. Bulletin of the Ecological Society of America (supplement) 76, (2).

Corbett, E. A., R. C. Anderson, and G. F. Aspbury. (1996). Delineation of Illinois tension zones. Bulletin of the Ecological Society of America (supplement) 77 (2).

Corbett, E. A. and R. C. Anderson. (1997). Initial results from analysis of prairie species frequency from the Illinois Natural Areas Inventory. Bulletin of the Ecological Society of America (supplement) 78, (4).

Corbett, E. A. and R. C. Anderson. (1999). Environmental and geographic correlates of Illinois remnant prairie. Bulletin of the Ecological Society of America (supplement) 80, (4).

Corbett, E. A. and R. C. Anderson. (2000). Patterns of prairie plant species in Illinois' landscape. North American Prairie Conference.

Corbett, E. A. (2000). The Game of Life History. Proceedings of the Oklahoma Academy of Sciences 80.

Corbett, E. A. (2001). Incorporation of an independent project into a basic ecology class. Proceedings of the Oklahoma Academy of Sciences 81.

- Corbett, E. A. and J. Baker. 2004. Comparison of seedling germination of three milkweed species. Proceedings of the Nineteenth North American Prairie Conference.
- Corbett, E. A. 2004. Comparison of Illinois remnant prairies, 1976 to 1998. (Invited paper) Proceedings of the Nineteenth North American Prairie Conference.
- Moore, D., E. Corbett, S. Shoopman, S. Lewis, R. Reed, and D. Bannister. 2005. Successional changes in *Salix nigra* forests at Tishomingo Wildlife Refuge, Johnston County, Oklahoma. Proceedings of the Oklahoma Academy of Sciences 85.
- Anderson R. C. , D. Nelson, E. A. Corbett and M. R. Anderson. 2006. [Changes in flowering stem density and diversity of prairie forbs as influenced by deer browsing and burning.](#) Proceedings of the 20th North American Prairie Conference
- Corbett, E. A. and T. Patton. 2006. First steps in prairie restoration in Oklahoma. Proceedings of the 20<sup>th</sup> North American Prairie Conference
- Corbett, E. A. 2007. Taxonomic affiliation of invasive exotic and invasive native plant species. Botany and Plant Biology 2007. (Abstract available online at <http://www.2007.botanyconference.org/engine/search/index.php?func=detail&aid=569>)
- Corbett, E. A. 2008. Allelopathic effects of sericea lespedeza on prairie grasses. Presented at the 21<sup>st</sup> North American Prairie Conference.
- Corbett, E. A., D. Wood, and T. Patton. 2009. Field trips: what is their future? Presented at the Fall 2009 Oklahoma Academy of Sciences Education Section Technical Meeting
- Corbett, E. A. 2010. Initial survey of soil invertebrates in a disturbed Oklahoma grassland. Presented at the 22<sup>nd</sup> North American Prairie Conference.
- Rice, S. A. and E. A. Corbett. 2011. Tannin concentration in post oak leaves in Oklahoma: Is there genetic variation for an evolutionary response to climate change? Poster presented at Evolution 2011, Norman, Oklahoma
- Corbett, E. A., P. Blanton, K. Talbot. 2011. Forest diversity in five forested areas along Lake Texoma, Oklahoma and Texas. Presented at Oklahoma Academy of Science Technical meeting.
- Anderson, R.C., B. A. Anderson, and E. A. Corbett. 2013. Maintaining diversity in tallgrass prairie: Forb response to white-tailed deer (*Odocoileus virginianus* Zimmermann) browsing. Presented at the Society for Ecological Restoration International Conference 2013, Madison, Wisconsin
- Anderson, Roger C., M. Rebecca Anderson, Erica A. Corbett. 2013. Are white-tailed deer a keystone species in tallgrass prairies? Presented at Midwest Great Lakes Chapter SER 2013 Meeting, Wooster, Ohio

Corbett, Erica A. The world beneath our feet. BrainStorm 2016 presentation at Southeastern Oklahoma State University

Corbett, E. A. and T. Patton. 2016. Ten years of vegetation observations on formerly-grazed Oklahoma grassland (poster) Presented at 24<sup>th</sup> North American Prairie Conference, Normal, IL.

Anderson, R.C., M. R. Anderson, and E. A. Corbett. 2016. White-tailed deer and fire effects on flowering diversity of tallgrass prairie forbs. Presented at 24<sup>th</sup> North American Prairie Conference, Normal, IL.

### **GRANTS AND CONTRACTS**

Germination and establishment of three elm species. SOSU Organized Research Grant \$1104.00 March 2000-July 2000

Investigation of seed germination, seedling survival, and seedling establishment on four species of milkweed (genus *Asclepias*) SOSU Organized Research Grant \$1488.74. January 2003-July 2003

Testing Soil Characteristics under different prairie restoration regimes. SOSU Organized Research Grant. Shared with Tim Patton. \$1968.30 January 2004-July 2005

Investigation of allelopathic effects of sericea lespedeza (*Lespedeza cuneata*) on germination and growth of eight prairie plant species. SOSU Organized Research Grant \$278.48. October 2009-Spring 2010.

Initial survey of pollinator abundance and activity at two sites in southeastern Oklahoma. SE Organized Research Grant. \$647.77 Summer 2013

Travel to Tallgrass Prairie Preserve to research Sericea Lespedeza. SE Organized Research Grant. \$349.50. September 2013.

Testing Effects of Litter or Allelopathy of Eastern Red Cedar: Small Grant from Oklahoma Native Plant Society. \$170.00. June 2016.

### **PROFESSIONAL SERVICE**

Steering Committee, North American Savannas and Barrens Conference, 1994

Co-director of Phi Sigma bookstore at Illinois State University

Led walks and assisted in conservation activities at ParkLands foundation (a privately-managed conservation area in Central Illinois).

Led independent research project for three undergraduate students (spring 2000)

Thesis advisor for Ms. Diana Bannister (summer 2002)

Led independent research project for Larissa Pitman (summer 2002)

Wrote "Guidelines for thesis writers" to be submitted Graduate Council (summer 2002).



Departmental Liason to Honors Program  
Member of Library Committee, Curriculum Committee  
Member of Engles Endowed Chair Committee  
American Association of University Women: membership vice-president, 2000-2001,  
president, 2002-2004, 2004-2006  
Have reviewed manuscripts for the journals Restoration Ecology, Journal of Applied Ecology, Journal of Geoscience Education, and for North American Prairie Conference Proceedings.  
Have reviewed numerous textbooks/textbook chapters for Pearson Publishing, MacMillan, McGraw-Hill, and John Wiley and Sons  
Reviewed a manuscript (Superintuitive Biostatistics) for Oxford University Press  
Thesis adviser for JoAnn Poindexter  
Past chair (2006-2007), Education Section, Oklahoma Academy of Science (and 2009-2010).  
Chair, Library Committee (2007-2009)  
Reviewed new book (tentative title: Superintuitive Biostatistics) for Oxford University Press  
Served on Master's of Technology thesis committees for Phillip Leonard and Sarah DeGarmo, served on non-thesis committee for David Eason and Andi Gregory  
Chair of Durant Branch AAUW scholarship committee  
Accuracy-checking/technical editing textbook chapters for Pearson Higher Ed  
Presented talk on "Conservation and Oklahoma Prairies" to SOSU Wildlife Club, Nov. 2016  
Assisted with 2017 and 2018 regional Science Olympiad (ran Invasive Species event for senior and junior high school)  
Assisted with 2017 Honors Day  
Assisted with 2019 STEM Day