

CURRICULUM VITAE

Katrina McClure

Department of Geography
University of Kansas
1475 Jayhawk Blvd.
Lawrence, KS 66045-7613
Tribal Affiliation: Muscogee Creek
Phone: 785-218-2986
E-mail: anirtak@ku.edu

Education:

A.A emphasis in Communications: Haskell Indian Nations University (HINU) 2005

B.G.S Environmental Studies: Kansas University: 2009

M.A. Human Geography: University of Kansas (present)

Academic Interests: Interdisciplinary studies, indigenous geographies, food studies, digital humanities, human geography, sociology, plant ecology, ethnobotany, agroecology, and sustainable agriculture

Research Experience, Employment & Internships:

2013-2014 Institute for Policy and Social Research Doctoral Research Fellow participant

2013-2014. NSF IGERT Trainee fellowship

Program requirements include:

- Mentoring undergraduate Native American/Alaskan Native students in the Haskell Environmental Research Studies Summer Institute 13'
- Environmental Studies Certificate completion
- Climate and Energy Project internship 13'

2011-2013. NSF EPSCoR Fellow

Duties and responsibilities include:

- Project Coordinator for the Haskell Environment Research Studies (HERS) summer Institute
- Project Coordination for the NSF workshop entitled WIS²DOM (Weaving Indigenous Science to Diversify Our Methods)
- Web maintenance for the IndigenousPeoples.net website using Dreamweaver software
- Graduate Research Assistant in tasks related to the Indigenous Speakers Series hosted by the Geography department and the Institute for Policy and Social Research.

2010-2011. PREP: Kansas Biology Survey: Native Medicinal Plant Research Program: I was in charge of obtaining Institutional Review Board approval and development of the protocol for conducting a survey looking at herbal product usage among college students at Haskell Indian Nations University, the University of Kansas, First Nations University, and the University of Saskatchewan.

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2009-2010. IMSD: Ecology and Evolutionary Biology Lab (evolutionary ecology); Dr. John Kelly: Tasks in the lab varied from outcrossing and selfing *mimulus guttatus* populations, propagating plants in the greenhouse, fertilizing plants, pollen and seed counting, and taking quantitative trait measurements. I assisted with an existing study titled “Mating System and Evolution in the Yellow Monkey Flower”.

2009-2011. Self-employed researcher: Wakarusa Scientific, a private research company with U.S. government contracts: I was contracted to study and assess the viability of *Panicum virgatum* hybrid lines in order to assess effects of drought on days to germination and root length.

2008-2009. IMSD: Ecology and Evolutionary Biology Lab (conservation ecology); Dr. Helen Alexander: Assisted Steve Roel’s research looking at the effect of treatments on the establishment of mead’s milkweed, a federally endangered prairie plant.

2008-2009. Bridge: Ecology and Evolutionary Biology Lab (grassland ecology); Dr. Brian Foster: I was solely responsible for a germination trial looking at growth rates for over 20 prairie plants in the greenhouse. Other tasks included: drying tissue, measuring biomass, collecting species, and weighing seeds.

2006-2008. Self-employed government contractor: Contract work on Department of Defense grants at Haskell Indian Nations University, research conducted at Ft. Riley military installation.

2004-2006. Haskell Indian Nations University: Native Grass Project Intern. Research on the Attributes of Switchgrass: The Department of Defense, through the Engineering Research and Development Center/Construction Engineering Research Laboratories (ERDC/CERL) and the military installation at Fort Polk awarded Haskell Indian Nations University contract funding for the collaborative Native Grass Project.

Publications

Ferreira, M., Gendron, F., McClure, K., Kindscher, K. (2012) North American Bioactive Plants for Human Health and Performance. *Global Journal of Research on Medicinal Plants and Indigenous Medicine*. 1(11): 568-582.

In Review

Kindscher, K., Corbett, S., McClure, K. (2013) Medicinal Plant Analysis: Case Study of Kansas and Great Plains Plant Families

Service and Awards

Food Utopias Workshop: Planning board and post-report writing. Contract work through the Institute of Biodiversity 13’

Certificate of Training: Haskell Environmental Research Studies Institute 13’

NSF Graduate Research Fellowship Program: Honorable Mention 11’

Native Medicinal Plant Research Program: Community Outreach Volunteer

KU Student Farm: Officer: Treasurer/Fundraising Coordinator 11-12’, Treasurer/Community Plot Mgr 13’, President 13’-14’

KU Geography: Graduate Student Organization member

Certificate: Awarded a University of Kansas Service Learning Certificate

City of Lawrence: City of Lawrence Human Relations Commissioner for a 3 year term 11-14’

Science Career Path Certificate: KU NIH program

Botanical Society of America:

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- graduate student member
- NSF Plants Graduate Mentor for NSF funded BSA PLANTS program
- 2011 BSA Conference student volunteer
- Women in Science Botany Grant Award

USDA Grant Reviewer: Reviewer for Tribal College Extension Grants in Washington D.C. in April 11'

2011 USDA, NIFA volunteer grant writer: Co-wrote the People's Garden Grant (USDA) for 11 sub-award organizations across Northeast KS. The grant was written with Steve Corbett from the Native Medicinal Plant Research Garden.

Lawrence Homeless Shelter: Member of the Kansas Biological Survey Volunteer Group

Haskell Indigenous Food Festival: as a community volunteer I worked on community outreach and overall project planning (2004-2010)

2010 Fourwinds Native Center: Garden volunteer for traditional gardens

2011-summer 2012 Fourwinds Native Center: Board member

2006: Awarded an REU at Kansas State University

2004-2010: 4 Travel Grants to Conferences including the Intertribal Nursery Council, SACNAS, BSA, ESA and IFTP

Programs & Fellowships

2013-2014: NSF IGERT Trainee

2011-2013: NSF EPSCoR Fellow

2010-2011: Post-Baccalaureate Research Education Program (PREP). KU Office for Diversity in Science Training. NIH Grant #5R25GM078441.

2005-2009: Initiative for Maximizing Student Diversity (IMSD). KU Office for Diversity in Science Training. NIH Grant #R25GM62232.

2004-2005: 500 Nations Bridge Collaboration: Haskell Indian Nations University/University of Kansas. KU Office for Diversity in Science Training. NIH Grant #R25GM060182.

Societal Memberships

1. American Association of Geographers 12-13'
2. Society of Ethnobiology 12-13'
3. Botanical Society of America 10-11'
4. Society of Economic Botany 11'
5. Ecological Society of America 08-10'
6. Society for the Advancement of Chicanos and Native Americans in Science, 07-10' & 12-13

Conferences Presentations & Attendance

1. American Association of Geographers. 2012 Annual Conference. Poster Presentation. "Native Medicinal Plants of Kansas. New York, NY.
2. Society of Ethnobiology 35th Annual Conference. Oral Presentation "Native Medicinal Plants of Kansas". Denver, CO. March 23rd.
3. Botanical Society of America Joint Conference. Oral presentation. "Creating an Ethnobotanical Database: Native Edible and Medicinal Plants of Kansas as a Case Study". St. Louis, MO. July 9, 2011.

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4. Graduate Poster Competition: University of Kansas. Poster presentation. "Medicinal Plants of Kansas". Lawrence, KS. March 7, 2011.
5. SACNAS 2010 (Anaheim), travel scholarship awarded.
6. 2nd Sharing Indigenous Wisdom: International Dialogue on Sustainable Development Conference. Hosted by Menominee Nation. Greenbay, WI. June 11-15, 2007, attendee.
7. Intertribal Nursery Council (2004-2005), travel scholarship awarded, Oral Presentation. "Report on the DOD Haskell Switchgrass Project".
8. Poster Presentation "Establishment of four switchgrass cultivars on two sites at Ft. Riley military installation". Integrated Training Area Management (ITAM) Field Day, Ft. Riley KS, August 2006.
9. Western Forestry Conference (2004-2005), attendee.
10. Cultural Presentation Series, Haskell Cultural Center and Museum, April 2006, presenter.
11. North American Prairie Conference, co-author paper submission, non-presenting author.
12. KU/Haskell Undergraduate Research Symposium (2006, 2008, 2010), poster presentation.
13. Haskell Climate Conference (2008), poster presentation.
14. Ecological Society of America (2008-2009), poster presenter.
15. Society for Advancement of Chicanos and Native Americans in Science. "Effects of a nurse crop, annual ryegrass (*lolium multiflorum*) on establishment of four switchgrass (*panicum virgatum*) ecotypes" Kansas City, MO 2007.
16. Society for Advancement of Chicanos and Native Americans in Science Conference attendee 2009.
17. Cold Regions Engineering Laboratories workshop (CREL), NH 2006, attendee.