

CURRICULUM VITAE

Kristen Johnson Gremillion

Address: Department of Anthropology
The Ohio State University
4034 Smith Laboratory
174 W 18th Avenue
Columbus, OH 43210
Phone: (614) 292-4388
email: gremillion.1@osu.edu

Areas of specialization

Paleoethnobotany, origins of agriculture, prehistory of eastern North America, human paleoecology and paleodiet, evolutionary theory

Education

1982-1989 University of North Carolina, Chapel Hill
Ph.D., Anthropology, 1989 (Dissertation title: *Late Prehistoric and Historic Period Paleoethnobotany of the North Carolina Piedmont*; Advisor, Richard A. Yarnell)
M.A., Anthropology, 1985 (Thesis title: *Aboriginal Use of Plant Foods and European Contact in the North Carolina Piedmont*; Advisor, Richard A. Yarnell)
1981 University of New Orleans, non-degree status
1979-1980 University of New Orleans, New Orleans, Louisiana (**B.A., Anthropology, cum laude**)
1976 -1978 Vassar College, Poughkeepsie, New York (Anthropology major)

Professional employment

2012-present Professor, Department of Anthropology, The Ohio State University
2017-2021 Chair, Department of Anthropology, The Ohio State University
1999-2012 Associate Professor, Department of Evolution, Ecology, and Organismal Biology, The Ohio State University (unsalariated courtesy appointment)
1997-2012 Associate Professor, Department of Anthropology, The Ohio State University
1991-1997 Assistant Professor, Department of Anthropology, The Ohio State University
1990-1991 Postdoctoral Fellowship, Smithsonian Institution (Anthropology)
1990 Visiting Lecturer, Department of Sociology and Anthropology, East Carolina University
1984-1990 Archaeobotanical consultant (self-employed)

Field experience

2001 Project director and field supervisor, excavations at the Anderson (15PO31) and Martin (15PO42) sites, Powell Co., KY
2000 Project director and field supervisor, excavations at the Seldon Skidmore site (15PO17) and the Shepherd site (15PO46), Powell Co., KY
1998 Project director and field supervisor, excavations at Courthouse Rock shelter, Powell

	Co., KY
1996	Project director, excavations at Mounded Talus shelter (15LE77), Lee Co., KY
1995	Project director, archaeological survey in Lee Co., KY
1994	Project director and field supervisor, excavations at Cold Oak shelter, Lee Co., KY
1992	Project director and field supervisor, excavations at Rock Bridge shelter (15WO75), Wolfe Co., KY
1987	Assistant Supervisor, excavations at five sites in Alamance Co., NC (Research Laboratories of Anthropology, UNC-CH).
1984-1986	Assistant Supervisor, excavations at the Fredricks site, Orange Co., NC (RLA, UNC-CH summer field school).
1983	Field Assistant, excavation at the Fredricks, Mitchum and Wall sites, Orange and Chatham Counties, NC (RLA, UNC-CH summer field school).
1981	Field Assistant, survey of portions of St. Charles Parish, LA (Tulane University).
1981	Field Assistant, survey and test excavations at Jean Lafitte National Historical Park, Jefferson Parish, LA (University of New Orleans Archaeological Research Program).

Grants and awards

Research grants and fellowships

2014-2017	National Science Foundation (\$780,015; "Tracking the Origins of an Adaptive Trait Syndrome with Ancient DNA"), Co-PI
2007-2008	Battelle Endowment for Technology and Human Affairs (\$37,018; "Technology and Ethics in Archaeology: Mentoring the Next Generation of Scientists")
2000-2002	National Science Foundation (\$198,773; "The Ecology of Early Food Production in Upland Drainages of Eastern North America")
1997	USDA Forest Service Challenger Program (\$5000; "National Register Evaluation of the Courthouse Rock Shelter, Powell County, Kentucky")
1996	Federal Survey and Planning Grant, Kentucky Heritage Council (\$14,000; "Archaeological Survey in the Big Sinking Creek Drainage, Kentucky")
1996	Historic Preservation Grant, Kentucky Heritage Council (\$1000; "Analysis of Textile Fibers from a Rockshelter in Carter County, Kentucky")
1995-1996	USDA Forest Service Challenger Program (\$8347; "National Register Evaluation of the Mounded Talus Shelter")
1995	(co-P.I. with D.E. Crews) Historic Preservation Grant, Kentucky Heritage Council (\$3000; "Analysis of DNA from Ancient Kentuckians")
1994-1996	Grant-in-Aid, National Geographic Society (\$10,460; "Archaeological and Paleoethnobotanical Investigations at the Cold Oak Shelter, Kentucky")
1992	Subcontract, University of South Alabama (\$4601; "Archaeobotany of Old Mobile")
1992	Historic Preservation Grant, Kentucky Heritage Council (\$2908; "Assessing the Research Potential of Rockshelter Sites and Museum Collections from the Red River Gorge Area")
1992	Seed Grant, Ohio State University Office of Research (\$11,800; "Origins of Agriculture in Eastern North America: Evidence from Kentucky Rockshelters")
1992	USDA Forest Service Challenger Program (\$6,000; "Origins of Agriculture in Eastern North America: Evidence from Kentucky Rockshelters")

- 1990 - 1991 Postdoctoral Fellowship, Smithsonian Institution ("Origins of Agriculture in Eastern North America: Evidence from Kentucky Caves and Rockshelters")
- 1988 On-Campus Dissertation Fellowship, Graduate School, UNC-CH

Other awards

- 1988-1989 Research Associate, University Research Council Faculty Research Grant "Scanning Electron Microscope Studies of Prehistoric Cultigens from Two Kentucky Rockshelter Sites" (R.A. Yarnell, P.I.), UNC-CH.
- 1988 Research Assistantship, Department of Anthropology, UNC-CH
- 1987 Research Associate, University Research Council Faculty Research Grant "Late Prehistoric and Early Historic Period Paleoethnobotany of the Upper Catawba River Valley" (R.A. Yarnell, P.I.), UNC-CH.
- 1985 Research Associate, University Research Council Faculty Research Grant "Continuity and Change in Plant Food Exploitation Patterns at Two Tennessee Sites" (R.A. Yarnell, P.I.), UNC-CH.
- 1984 Limited Service Award, Graduate School, UNC-CH
- 1982 Limited Service Award, Graduate School, UNC-CH

Publications*

(*as sole author unless otherwise noted)

Peer-reviewed journal articles

- 2021 Kawa, Nicholas, Mark Anthony Arceño, Ryan Goeckner, Chelsea Hunter, Steven Rhue, Shane Scaggs, Matthew Biver, Sean Downey, Julie Field, Kristen Gremillion, Joy McCorriston, Anna Willow, Elizabeth Newton, and Mark Moritz. Training Wicked Scientists for a World of Wicked Problems. *Humanities & Social Sciences Communications* 8:1-4.
<https://doi.org/10.1057/s41599-021-00871-1>
- 2018 Weiland, Andrew W. and **Kristen J. Gremillion**. Patterns of Variation in the Seed Morphology of *Iva annua* L. var. *macrocarpa* Jackson, an Extinct American Domesticated. *Ethnobiology Letters* 9:75-89.
- 2018 Wales, Nathan, Melis Akman, Ray Watson, Fátima Sánchez Barreiro, Bruce D. Smith, **Kristen J. Gremillion**, M. Thomas P. Gilbert, and Benjamin K. Blackman. Ancient DNA Reveals the Timing and Persistence of Organellar Genetic Bottlenecks Over 3000 Years of Sunflower Domestication and Improvement. *Evolutionary Applications*, DOI 10.1111/eva.12594.
- 2015 Prehistoric Upland Farming, Fuelwood, and Forest Composition on the Cumberland Plateau, Kentucky, USA. *Journal of Ethnobiology* 35:60-84.
- 2014 Larson, G, DR Piperno, RG Allaby, MD Purugganan, L Andersson, M Arroyo-Kalin, L Barton, C Climer Vigueira, T Denham, K Dobney, AN Doust, P Gepts, M TP Gilbert, **KJ Gremillion**, L Lucas, L Lukens, FB Marshall, KM Olsen, JC Pires, PJ Richerson, R Rubio de Casas, OI Sanjur, MG Thomas, and DQ Fuller. Current Perspectives and the Future of Domestication Studies. *PNAS* 111: 6139-6146.
- 2014 P Gerbault, RG Allaby, N Boivin, A Rudzinski, I Grimaldi, J CPires, C Climer Vigueira, K Dobney, **KJ Gremillion**, L Barton, M Arroyo-Kalin, MD Purugganan, R Rubio de Casas, R Bollongino, J Burger, DQ Fuller, D Bradley, DJ Balding, P J Richerson, MTP Gilbert, G Larson, and MG Thomas. Storytelling and Story Testing in Domestication. *PNAS* 111:6159-6164.
- 2014 **Kristen J. Gremillion**, Loukas Barton, and Dolores R. Piperno. Particularism and the Retreat from Theory in the Archaeology of Agricultural Origins. *Proceedings of the National Academy of Sciences of the United States of America* 111:6171-6177.
- 2013 Victor D. Thompson, **Kristen J. Gremillion**, and Thomas J. Pluckhahn. Challenging The

- Evidence For Prehistoric Wetland Maize Agriculture At Fort Center, Florida. *American Antiquity* 78:181-193.
- 2009 (Kristen J. Gremillion and Dolores R. Piperno). Human Behavioral Ecology, Phenotypic (Developmental) Plasticity, and Agricultural Origins: Insights from the Emerging Evolutionary Synthesis. *Current Anthropology* 50:615-619.
- 2008 (Kristen J. Gremillion, Jason Windingstad, Sarah S. Sherwood). Forest Opening, Habitat Use, and Food Production on the Cumberland Plateau, Kentucky: Adaptive Flexibility in a Marginal Setting. *American Antiquity* 73:387-411.
- 2008 Windingstad, J.D.; Sherwood, S.C.; Gremillion, K.J.; Eash, N.S. 2008. Soil fertility and slope processes in the Western Cumberland Escarpment of Kentucky: influences on the development of horticulture in the Eastern Woodlands. *Journal of Archaeological Science* 35: 1717-1731.
- 2005 (Joe W. Saunders, Charles M. Allen, E. Thurman Allen, Daniel A. Bush, James K. Feathers, Kristen J. Gremillion, C. T. Hallmark, Edwin H. Jackson, Jay K. Johnson, Reza Jones, Rolfe D. Mandel, C. Garth Sampson, Roger T. Saucier, Gary L. Stringer, and Malcolm F. Vidrine). Watson Brake, A Middle Archaic Mound Complex in Northeast Louisiana. *American Antiquity* 70:631-668.
- 2004 Seed Processing and the Origins of Food Production in Eastern North America. *American Antiquity* 69: 215-234.
- 2002 Foraging Theory and Hypothesis Testing in Archaeology: An Exploration of Methodological Problems and Solutions. *Journal of Anthropological Archaeology* 21:142-164.
- 2002 Archaeobotany at Old Mobile. *Historical Archaeology* 36:117-128.
- 1998 Changing Roles of Wild and Cultivated Plant Resources Among Early Farmers of Eastern Kentucky. *Southeastern Archaeology* 17:140-157.
- 1998 (Paul Delcourt, Hazel Delcourt, Cecil Ison, William Sharp, and Kristen J. Gremillion). Prehistoric Human Use of Fire, the Eastern Agricultural Complex, and Appalachian Oak-Chestnut Forests: Paleoecology of Cliff Palace Pond, Kentucky. *American Antiquity* 63:263-278.
- 1997 (Joe W. Saunders, Rolfe D. Mandel, Roger T. Saucier, E. Thurman Allen, C. T. Hallmark, Jay K. Johnson, Edwin H. Jackson, Charles M. Allen, Gary L. Stringer, Douglas S. Frink, James K. Feathers, Stephen Williams, Kristen J. Gremillion, Malcolm F. Vidrine, and Reza Jones). A 5400-5000 B.P. Mound Complex in Louisiana. *Science* 277:1796-1799.
- 1996 (Kristin D. Sobolik, Kristen J. Gremillion, Patricia Whitten, and Patty Jo Watson). Technical Note: Sex Determination and Dietary Analysis of Prehistoric Human Paleofeces. *American Journal of Physical Anthropology* 101:283-290.
- 1996 Diffusion and Adoption of Crops in Evolutionary Perspective. *Journal of Anthropological Archaeology* 15:183-204.
- 1996 Early Agricultural Diet in Eastern North America: Evidence from Two Kentucky Rockshelters. *American Antiquity* 61:520-536.
- 1996 (Kristen J. Gremillion and Kristin D. Sobolik). Dietary Variability among Prehistoric Forager-Farmers of Eastern North America. *Current Anthropology* 37:529-539.
- 1995 Comparative Paleoethnobotany of Three Native Southeastern Communities of the Historic Period. *Southeastern Archaeology* 14:1-16.
- 1993 Prehistoric Maize from Bottle Creek. *Journal of Alabama Archaeology* 39:133-150. (appeared April 1995)

- 1993 The Evolution of Seed Morphology in Domesticated *Chenopodium*: An Archaeological Case Study. *Journal of Ethnobiology* 13:149-169.
- 1993 Plant Husbandry at the Archaic/Woodland Transition: Evidence from the Cold Oak Shelter, Kentucky. *Midcontinental Journal of Archaeology* 18:161-189.
- 1993 Crop and Weed in Prehistoric Eastern North America: The *Chenopodium* Example. *American Antiquity* 58:496-509.
- 1993 Adoption of Old World Crops and Processes of Cultural Change in the Historic Southeast. *Southeastern Archaeology* 12:15-20.
- 1989 The Development of a Mutualistic Relationship Between Humans and Maypops (*Passiflora incarnata* L.) in the Southeastern United States. *Journal of Ethnobiology* 9:135-155.
- 1986 (Kristen J. Gremillion and Richard A. Yarnell). Plant Remains from the Westmoreland-Barber and Pittman-Alder Sites, Marion County, Tennessee. *Tennessee Anthropologist* 11:1-20.

Peer-reviewed books

- 2018 *Food Production in Native North America: An Archaeological Perspective*. Society for American Archaeology Press, Washington DC.
- 2011 *Ancestral Appetites: Food in Prehistory*. Cambridge University Press, Cambridge.
- 1997 (editor) *People, Plants, and Landscapes: Studies in Paleoethnobotany*. University of Alabama Press, Tuscaloosa.

Book chapters

- 2019 Human Behavioral Ecology and Plant Resources in Archaeological Research. In *Handbook of Evolutionary Theory in Archaeology*, edited by Anna Prentiss, pp. 255-273. Springer.
- 2015 Human Behavioral Ecology and Paleoethnobotany. In *Method and Theory in Paleoethnobotany*, edited by John M. Marston, Jade d'Alpoim Guedes, and Christina Warriner, pp. 339-354. University Press of Colorado, Boulder.
- 2014 Historical Aspects Of Early Plant Cultivation In The Uplands Of Eastern North America. In *Ancient Plants and People: Contemporary Trends in Archaeobotany*, edited by M. Madella and M. Savard, pp. 155-173. University of Arizona Press.
- 2014 Goosefoot (*Chenopodium berlandieri*). In *New Lives for Ancient and Extinct Crops*, edited by Paul Minnis, pp. 44-64. University of Arizona Press, Tuscon.
- 2011 The Role of Plants in Southeastern Subsistence Economies. Chapter 14 in *The Subsistence Economies of Indigenous North American Societies: A Handbook*, edited by Bruce Smith, pp. 387-399. Smithsonian Institution Scholarly Press, Washington, DC.
- 2009 Two Faces of Darwin: On The Complementarity of Evolutionary Archaeology and Human Behavioral Ecology. In *Theoretical and Methodological Issues in Evolutionary Archaeology: Toward an Unified Darwinian Paradigm*, edited by Hernán Juan Muscio and Gabriel Eduardo José López, pp. 39-47. International Union of Prehistoric and Protohistoric Sciences Conference. Proceedings of the XV World Congress, Lisbon, September 4-9, 2006. BAR International Series 1915. Archaeopress, Oxford.
- 2008 From Dripline to Deep Cave: On Sheltered Sites as Archaeobotanical Contexts. Chapter 6 in *Cave Archaeology in the Eastern Woodlands: Papers in Honor of Patty Jo Watson*, edited by David Dye, pp. 117-136. University of Tennessee Press, Knoxville.

- 2006 Southeastern Food Plants. In *Handbook of North American Indians: Environment*, pp. 388-395. General editor, William S. Sturtevant. Smithsonian Institution Press, Washington, D. C.
- 2006 Central Place Foraging and Food Production on the Cumberland Plateau, Eastern Kentucky. In *Behavioral Ecology and the Transition to Agriculture*, edited by Douglas J. Kennett and Bruce Winterhalder, pp. 41-62. University of California Press, Berkeley.
- 2004 Environment. In *Handbook of North American Indians: Southeast*. General editor, William S. Sturtevant, pp. 53-67. Smithsonian Institution Press, Washington, DC.
- 2003 Eastern Woodlands Overview. In *People and Plants in Native Eastern North America*, edited by Paul Minnis, pp. 17-49. Smithsonian Books, Washington.
- 2002 Human Ecology at the Edge of History. In *Between Contacts and Colonies: Protohistoric Archaeology in the Southeastern United States*, edited by M. Rees and C. Wesson, pp. 12-31. University of Alabama Press, Tuscaloosa.
- 2002 The Development and Dispersal of Agricultural Systems in the Woodland Period Southeast. In *The Woodland Period Southeast*, ed. R. Mainfort and D. Anderson, pp. 483-501. University of Alabama Press, Tuscaloosa.
- 2001 (Katherine R. Mickelson, Andrew Mickelson, and **Kristen J. Gremillion**). Rockshelters at the Headwaters. In *Current Archaeological Research in Kentucky, Volume 6*, edited by David Pollack and Kristen J. Gremillion. Kentucky Heritage Council, Frankfort.
- 2001 (**Kristen J. Gremillion**, Kathryn Jakes and Virginia Wimberley). The Research Potential of Prehistoric Textiles from Kentucky: An Example from Carter County. In *Current Archaeological Research in Kentucky, Volume 6*, edited by David Pollack and Kristen J. Gremillion. Kentucky Heritage Council, Frankfort.
- 1998 3,000 Years of Human Activity at the Cold Oak Shelter. In *Current Archaeological Research in Kentucky, Volume 5*, edited by C. Hockensmith, Kenneth C. Carstens, Charles Stout, and Sara J. Rivers, pp. 1-14. Kentucky Heritage Council, Frankfort.
- 1997 New Perspectives on the Paleoethnobotany of the Newt Kash Shelter, in *People, Plants, and Landscapes: Studies in Paleoethnobotany*, edited by Kristen J. Gremillion, pp. 23-41. University of Alabama Press, Tuscaloosa.
- 1996 Late Woodland Utilization of the Rock Bridge Shelter. In *Archaeological Research in Kentucky, Volume 4*, edited by Sara L. Sanders, Thomas N. Sanders, and Charles Stout, pp. 17-31. Kentucky Heritage Council, Frankfort.
- 1996 The Paleoethnobotanical Record for the Mid-Holocene Southeast. In *Archaeology of the Mid-Holocene Southeast*, edited by Kenneth E. Sassaman and David Anderson, pp. 99-114. University Presses of Florida, Gainesville.
- 1995 Botanical Contents of Paleoefeces from Two Eastern Kentucky Rockshelters. In *Current Archaeological Research in Kentucky, Volume 3*, edited by J. F. Doershuk, C. A. Bergman, and D. Pollack, pp. 52-69. Kentucky Heritage Council, Frankfort.
- 1994 Evidence of Plant Domestication from Kentucky Caves and Rockshelters. In *Agricultural Origins and Development in the Midcontinent*, edited by William Green, pp. 87-104. Report 19, Office of the State Archaeologist, University of Iowa, Iowa City.
- 1993 (**Kristen J. Gremillion** and Cecil R. Ison). Terminal Archaic and Early Woodland Plant Utilization at the Cold Oak Shelter. In *Upland Archaeology in the East: Symposium IV*, edited by Michael D. Barber and Eugene B. Barfield, pp. 121-132. USDA Forest Service, Southern Region, Atlanta, Georgia.
- 1993 Paleoethnobotanical Evidence of Change and Continuity in Piedmont Subsistence. In *Indian*

- Communities on the North Carolina Piedmont, A.D. 1000 to 1700*, edited by H. Trawick Ward and R.P. Stephen Davis, Jr., pp. 455-466. Monograph No. 2, Research Laboratories of Anthropology, University of North Carolina, Chapel Hill.
- 1993 Paleobotany. In *The Development of Southeastern Archaeology*, edited by Jay Johnson, pp. 132-159. University of Alabama Press, Tuscaloosa.
- 1988 Plant Remains. In *Archaeology of the Historic Occaneechi Indians*, edited by H. Trawick Ward and R. P. Stephen Davis, Jr. *Southern Indian Studies* 36 and 37:95-117.
- 1987 Plant Remains from the Fredricks, Wall and Mitchum Sites. In *The Siouan Project: Seasons I and II*, edited by Roy S. Dickens, Jr., H. Trawick Ward, and R. P. Stephen Davis, Jr., pp. 259-277. Monograph Series No. 1, Research Laboratories of Anthropology, University of North Carolina, Chapel Hill.

Encyclopedia entries

- 2014 Caves and rockshelters. In *The Archaeology of Food* edited by K. Metheny and M. Beaudry, page 440. Rowman and Littlefield, Lanham, Maryland.
- 2014 Plant domestication and cultivation. *Encyclopedia of Global Archaeology*. Springer.
- 2012 North America, Origins of Food Production in. *Oxford Companion to Archaeology*, Second edition, edited by Neil Ascher Silberman. Oxford University Press.

Book reviews and comments

- 2019 Review of *From Colonization to Domestication* by Shane Miller. *Antiquity* 93: 543-544.
- 2019 Review of *Against the Grain: A Deep History of the Earliest States*, by James C. Scott. *Journal of Anthropological Research* 75:575-576.
- 2013 Review of *Out of Nature: Why Drugs from Plants Matter to the Future of Humanity*, by Kara Rogers. *Ethnobiology Letters* 4:59-60.
- 2012 Review of *Inside Ancient Kitchens*. *American Anthropologist* 114:379.
- 2006 Review of *People of the Shoals: Stallings Culture of the Savannah River Valley*, by Kenneth Sassaman. *Journal of Field Archaeology* 31:439-440.
- 2006 Review of *Engaged Anthropology: Research Essays on North American Archaeology, Ethnobotany, and Museology*. *Papers in Honor of Richard I Ford*, edited by M. Hegmon and B. Eiselt. *American Anthropologist* 108:900-901.
- 2003 Comment on 'Sweet Beginnings: Stalk Sugar and the Domestication of Maize'. *Current Anthropology* 44:692.
- 2000 *The Origins of Agriculture in the Lowland Neotropics*, by Dolores R. Piperno and Deborah M. Pearsall. *Journal of Field Archaeology* 27:105-107.
- 2000 *Grit-Tempered: Early Women Archaeologists in the Southeastern United States*, edited by N. White, L. Sullivan, and R. Marrinan. *Journal of Anthropological Research* 56:402-403.
- 1997 *Case Studies in Environmental Archaeology*, edited by E. J. Reitz, L. A. Newsom, and S. Scudder. *Geoarchaeology* 12:795-815.
- 1995 *Corn and Culture in the Prehistoric New World*, edited by Christine Hastorf and Sissel Johannessen. *American Antiquity* 60:553-554.
- 1993 *Rivers of Change: Essays on Early Agriculture in Eastern North America* by Bruce D. Smith. *Southeastern Archaeology* 12:161-162.
- 1992 *Seeds of Change* by H. J. Viola and C. Margolis. *American Antiquity* 57:730-731.

Technical reports

Archaeological reports of investigations

- 1999 *National Register Evaluation of the Courthouse Rock Shelter (15PO322), Powell County, Kentucky.* Report submitted to the USDA Forest Service, Daniel Boone National Forest, Winchester, Kentucky.
- 1997 **(Kristen J. Gremillion and Katherine R. Mickelson).** *Archaeological Survey and Assessment in Portions of the Big Sinking Creek Drainage, Lee County, Kentucky.* Report submitted to the Kentucky Heritage Council.
- 1996 **(Kristen J. Gremillion and Katherine R. Mickelson).** *National Register Evaluation of the Mounded Talus Shelter (15LE77), Lee County, Kentucky.* Report submitted to the USDA Forest Service, Daniel Boone National Forest, Winchester, Kentucky.
- 1995 *Archaeological and Paleoethnobotanical Investigations at the Cold Oak Shelter, Kentucky.* Report submitted to the National Geographic Society, Washington, D.C.
- 1993 *Archaeological Investigations at the Rock Bridge Shelter (15WO75), Wolfe County, Kentucky.* Report submitted to the Stanton Ranger District, USDA Forest Service, Stanton, Kentucky.
- 1991 (Lisa D. O'Steen, **Kristen J. Gremillion**, and R. Jerald Ledbetter). *Archaeological Testing of Five Sites in the Big Sinking Creek Oil Field, Lee County, Kentucky.* Report submitted to the USDA Forest Service, Daniel Boone National Forest, Winchester, Kentucky.

Archaeobotanical reports

1986-1991 Eight reports on analysis of archaeobotanical remains included within larger edited works. A complete list is available on request.

Unpublished archaeobotanical reports

1983-1992 Fifteen additional reports on collections from Alabama, Virginia, North Carolina, Kentucky, Georgia, and New York. A complete list is available on request.

Other Scholarly Activities

- Keynote Speaker, SciColl (Scientific Collections International) Symposium on Food Security, Beltsville, Maryland. September 19-21, 2016.
- Invited Speaker, University of Michigan Human Evolution and Adaptation Program Speaker Series. October 2015.
- Keynote Speaker, 2014 Annual Zooarchaeology Conference, Eagle Lake, California.
- Consultant on funded project "Identifying the causal factors driving the spread and persistence of giant ragweed (*Ambrosia trifida*)", in collaboration with Emilie Regnier, Department of Horticulture and Crop Science, OSU. The Ohio State University, OARDC Research Enhancement Competitive Grants Program Award, 2011.
- Invited participant, Catalysis Meeting on "Evolution and Domestication: Expanding the Synthesis", organized by Dolores Piperno, Greger Larsen, and Dorian Q. Fuller, National Evolutionary Synthesis Center, Durham, North Carolina, April 7-11, 2011.
- Invited lecture, Second Annual Hadley Lecture in American Studies, Wabash University Department of History, "Multiethnic Communities and the Origins of Southern Cuisine". September 29, 2011.
- Invited participant, Open Science Network in Ethnobiology, Fall Invitational Meeting. November 18-20,

2011.

Conference papers

(* = invited by symposium or conference organizers)

- *2018 Nathan Wales, **Kristen Gremillion**, Bruce D. Smith, Melis Akman and Benjamin K. Blackman. The Future of Paleogenomics in Archaeology: Insights from a Multidisciplinary Study on Sunflower Domestication. Presented at the 83rd Annual Conference of the Society for American Archaeology, Washington, DC.
- *2017 Taking out the Trash in Eighteenth-Century New Orleans. Presented in the symposium "A Golden Bough in the Southeast: Papers in Honor of Gregory A. Waselkov." Presented at the 74th Annual Meeting of the Southeastern Archaeological Conference, Tulsa.
- *2017 Discussant for the symposium "From Birdseed to Superfood: *Chenopodium* Cultivation and Management Across the Globe." Annual Meeting of the Society for American Archaeology, Vancouver.
- *2012 Plant remains from St. Anthony's Garden. Paper presented in the symposium at the 77th Annual Meeting of the Society for American Archaeology, Memphis.
- *2011 Ecology and Ethnobotany of Giant Ragweed in the Prehistoric Midwest. Invited paper, Symposium "Giant Ragweed Biology and Management", 66th Annual Meeting of the North Central Weed Science Society, December 12-15, Milwaukee.
- *2011 Discussant. Symposium "What Would We Still Like to Know About Food Production in the Southeast? A Symposium in Honor of Richard A. Yarnell (1929-2011). Southeastern Archaeological Conference, Jacksonville.
- *2010 Cultural Transmission of Botanical Knowledge in Postcontact Eastern North America. Invited paper, presented in "Are we what we eat? Continuity and change in food during culture contact in North America", symposium held at the Annual Meeting of the Society for American Archaeology, St. Louis, April 14-18, 2010.
- *2009 Hardwood Nut Yields, Food Storage, and the Origins of Food Production in Eastern North America. Invited paper, presented in "The Residues of Human Decisions: Archaeological Applications of Behavioral Ecology", symposium held at the Annual Meeting of the Theoretical Archaeology Group, Stanford University, May 2-4, 2007.
- *2007 (**Kristen J. Gremillion** and Dolores Piperno). Broad Spectrum Foraging and the Origins of Agriculture: Insights from Human Behavioral Ecology. Invited paper, "Conversations in the Disciplines: Origins of Agriculture", a conference held at SUNY Plattsburgh, October 5-7, 2007.
- *2006 Two Faces of Darwin: On The Complementarity of Evolutionary Archaeology and Human Behavioral Ecology. Presented in Workshop W22: Theoretical and Methodological Issues in Evolutionary Archaeology: Toward a unified Darwinian paradigm. International Union of Prehistoric and Protohistoric Sciences Conference, Lisbon, September 4-9, 2006.
- *2006 Pre-Maize Food Production and Anthropogenic Landscapes in Eastern Kentucky. (**Kristen J. Gremillion**, Sarah Sherwood, Jason Windingstad, Katherine R. Mickelson, and Andrew Mickelson.) Fryxell Symposium in Honor of Bruce Smith, Society for American Archaeology Annual Meeting, San Juan.
- *2004 Southeastern Archaeological Conference, St. Louis. "From Dripline to Deep Cave: On Sheltered Sites as Archaeobotanical Contexts" (Symposium: "Cave Archaeology in the Eastern Woodlands: Papers in Honor of Patty Jo Watson.")

- *2004 Society for American Archaeology Annual Meeting, Montreal. "Historical Aspects Of Early Plant Cultivation In The Uplands Of Eastern North America".
- 2003 Human Behavioral Ecology Workshop, University of Maine, Orono. May 2003. "Food Processing and Energetic Efficiency."
- 2003 Society for American Archaeology Annual Meeting, Milwaukee. April 2003. (Co-authored with Karen Royce, Wil Petty Rivers, and Katherine Mickelson). Poster: "Botanical evidence for the ecological context and environmental impact of early food production in eastern Kentucky".
- *2002 Rockshelters and the River: New Perspectives on Land Use and the Origins of Food Production in Eastern Kentucky. Society for American Archaeology, Denver.
- *2001 Central Place Foraging and Food Production on the Cumberland Plateau, Eastern Kentucky. Society for American Archaeology, New Orleans.
- *1999 Foraging Theory in Archaeology: Darwinian Dream or Epistemological Nightmare? Society for American Archaeology, Chicago.
- *1998 The Development and Dispersal of Agricultural Systems in the Woodland Period Southeast. Southeastern Archaeological Conference, Greenville, South Carolina.
- 1997 (**Kristen J. Gremillion**, Kathryn Jakes and Virginia Wimberley). The Research Potential of Prehistoric Textiles from Kentucky: An Example from Carter County. Kentucky Heritage Council, Frankfort.
- *1997 Seeds from Watson Brake: A 5400-Year-Old Mound Complex in Louisiana. Ohio Archaeological Council Membership Meeting, November 21, Columbus.
- *1997 Human Ecology at the Edge of History. Southeastern Archaeological Conference, Baton Rouge.
- *1997 (**Kristen J. Gremillion** and Elizabeth J. Reitz). Towards an Understanding of Creek Subsistence. Society for American Archaeology, Nashville.
- 1996 (Katherine R. Mickelson and **Kristen J. Gremillion**) Archaeological investigations at the Mounded Talus Shelter (15Le77). Kentucky Heritage Council Annual Meeting, Louisville.
- 1995 (Kristin D. Sobolik, **Kristen J. Gremillion**, Patricia Whitten, and Patty Jo Watson). Sex Determination and Dietary Analysis of Paleofeces from Salts Cave and Mammoth Cave. Fourth Annual Mammoth Cave Science Conference, Mammoth Cave National Park, Kentucky.
- 1995 Three Thousand Years of Human Activity at the Cold Oak Shelter. Kentucky Heritage Council Annual Meeting, Richmond.
- *1995 (**Kristen J. Gremillion** and Kristin D. Sobolik). Prehistoric Diet and Plant Foods at Salts and Mammoth Caves, Kentucky (Fryxell Symposium). Society for American Archaeology, Minneapolis.
- 1994 (**Kristen J. Gremillion**, Kathryn Jakes and Charles T. Faulkner). Paleofecal Evidence for Early Agricultural Diet and Ecology in Eastern North America (poster). Society of Ethnobiology, Victoria, Canada.
- 1994 Botanical Contents of Paleofeces from Two Eastern Kentucky Sites. Kentucky Heritage Council Annual Meeting, Highland Heights.
- *1994 The Archaic/Woodland Transition and Early Farming in Eastern Kentucky. Southeastern Archaeological Conference, Lexington.
- 1993 Late Woodland Utilization of the Rock Bridge Shelter. Kentucky Heritage Council Annual Conference, Lexington.
- *1993 Coevolution, Storage, and Early Farming in Eastern Kentucky. Southeastern Archaeological Conference, 50th Annual Meeting, Raleigh.

- *1993 The Paleoethnobotanical Record for the Mid-Holocene Southeast. Southeastern Archaeological Conference, 50th Annual Meeting, Raleigh.
- *1992 Prehistoric Maize from Bottle Creek. Southeastern Archaeological Conference, Little Rock.
- *1992 New Perspectives on the Paleoethnobotany of the Newt Kash Shelter (Fryxell Symposium). Society for American Archaeology, Pittsburgh.
- 1991 The Role of Introduced Crops in Native Southeastern Agriculture. Southeastern Archaeological Conference, Jackson.
- 1991 Crop and Weed in Prehistoric Eastern North America: The *Chenopodium* Example. Society of Ethnobiology Annual Meeting, St. Louis.
- 1990 Morphological Variation in *Chenopodium* from Kentucky. Southeastern Archaeological Conference, Mobile.
- *1989 (**Kristen J. Gremillion** and Cecil R. Ison). Terminal Archaic and Early Woodland Plant Utilization Along the Cumberland Plateau. Society for American Archaeology, Atlanta.
- 1987 Archaeological Evidence of the Development of a Mutualistic Relationship Between Human Groups and Maypops (*Passiflora incarnata*) in the Southeast. Southeastern Archaeological Conference, Charleston.
- 1986 (**Kristen J. Gremillion** and Mary Ann Holm). Aboriginal Subsistence and European Contact in the North Carolina Piedmont. Society for American Archaeology, New Orleans.
- 1985 Plant Remains from the Westmoreland-Barber and Pittman-Alder Sites, Marion County, Tennessee. Southeastern Archaeological Conference, Birmingham.
- 1984 A Preliminary Analysis of Plant Remains from the Wall and Fredricks Sites. Society for Historic Archaeology, Williamsburg.

Teaching experience

Courses taught

Undergraduate: World Prehistory, Prehistory of Eastern North America, Fundamentals of Archaeology, Archaeological Laboratory Methods (Ohio State University); Introductory Anthropology (East Carolina University); Human Origins, Human Dilemmas (UNC-Chapel Hill)

Graduate: Method and Theory in Paleoethnobotany; The Archaeology of Cultural Contact; Human Paleoecology and Evolutionary Theory; Origins of Food Production; Archaeology of Hunter-Gatherer Societies; Paleodiet; Ethnobotany; Evolutionary Perspectives on Human Behavior (Ohio State University)

(Also prepared to teach courses on environmental archaeology; ecological anthropology; archaeobotanical methods; archaeology, science, and society; archaeological theory)

Graduate level advising

Service as advisor and committee member at M.A. and Ph.D levels, including supervision of dissertation research and participation in written and oral examinations both within and outside of the Department of Anthropology

Other teaching experience

Faculty Mentor, Dust Cave Field School, University of Alabama (Summer 1997)

Guest lecturer, Vassar College (October 17 1997)

Other professional activity

Service to professional organizations

Co-Editor, *Journal of Ethnobiology*, 2013-2015

Board Member, Society of Ethnobiology (2011- 2015)

Local Conference Coordinator, Society of Ethnobiology Annual Meeting, Columbus, Ohio (2009-2011)

Member, Editorial Board, *Journal of Kentucky Archaeology* (2010-present)

Ohio Archaeological Council (Nominations Committee, 1995)

Southeastern Archaeological Conference (Nominations Committee, 1995)

Kentucky Organization of Professional Archaeologists (Board of Directors, 1996-1999)

Society of Ethnobiology (Program Chair, 1997 Annual Meeting)

Associate Editor, Book Reviews, *Southeastern Archaeology* (1999-2002)

Program Committee member, Society for American Archaeology Annual Meeting (2001)

Peer review

Journals: *Southeastern Archaeology*, *Journal of Archaeological Science*, *American Antiquity*, *Northeastern Naturalist*, *Midcontinental Journal of Archaeology*, *Current Anthropology*, *Journal of Anthropological Archaeology*, *Journal of Archaeological Research*, *Proceedings of the National Academy of Sciences of the USA*, *Journal of Human Evolution*, *American Anthropologist*, *Antiquity*

Funding agencies: National Science Foundation; Social Sciences and Humanities Research Council of Canada; Office of Research, The Ohio State University, National Geographic Society

Publishers: Harvard University Press, University of Alabama Press, Academic Press/Elsevier Scientific , Springer, Columbia University Press

Major university administrative and committee assignments (OSU)

Chair, Department of Anthropology, 2017-2021

Member, BETHA Grants Committee, (2011-2014)

Member, Promotion and Tenure Review Committee (2009-2013)

Chair, Graduate Studies Committee (2002-2004 and 2009-2013)

Chair, Archaeologist Search Committee (2006-2007)

Chair, Ecological Anthropologist Search Committee (2001-2002)

Chair, Promotion and Tenure Review Committee (1997-2002; 2006-2008)

Undergraduate Coordinating Advisor and Chair, Undergraduate Curriculum Committee (1995-1998)

Editor/faculty advisor, departmental newsletter (1992-present)

Faculty coordinator, Graduate Computing Facility (2000-2002)

Member, Social and Behavioral Sciences College Priorities Committee (2001-2002)

Member, Speakers Committee, Department of Anthropology (2004-2006)