

Mrs. Katie A. Pekarek

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Education

MS, North Carolina State University, 2008.
Major: Biological and Agricultural Engineering
Supporting Areas of Emphasis: Water Resources & Stormwater
Dissertation Title: A Hydrologic and Water Quality Assessment of Constructed Wetlands on a Coastal Plains Golf Course

BS, University of Nebraska - Lincoln, 2006.
Major: Biological Systems Engineering
Supporting Areas of Emphasis: Environmental Engineering
Dissertation Title: Pulse Irrigation as a Water Management Strategy for Turfgrasses

Professional Memberships

Natural Resources Representative, National Association of County Agricultural Agents - Natural Resources. (November 14, 2015 - Present).

Southeast District Representative Alternative, Nebraska Ag Section. (November 2015 - Present).

Nebraska Cooperative Extension. (October 10, 2011 - Present).

Board of Directors, Nebraska Floodplain and Stormwater Management Association. (July 2010 - Present).

Chair for Legislative and Administrative Relations Committee, Nebraska Cooperative Extension Association - Chair. (November 15, 2015 - November 15, 2016).

Administrative Skills Development Representative, National Association of County Agricultural Agents - Administrative. (November 13, 2013 - November 14, 2015).

Vice Chair for Legislative and Administrative Relations Committee, Nebraska Cooperative Extension Association - Vice Chair. (November 14, 2013 - November 15, 2014).

Steering Committee Member, International Low Impact Development Symposium Steering Committee. (September 2012 - September 2013).

RESEARCH

Published Intellectual Contributions

Refereed Journal Articles

Shelton, D., Rodie, S., Feehan, K., Franti, T., Pekarek, K., Holm, B. (2015). Integrating Extension, Teaching, and Research for Stormwater Management Education. *Journal of Contemporary Water Research & Education*, 10.

Conference Proceedings

VanDeWalle, B., Zoubek, G., Burr, C., Pekarek, K., Nygren, A., Killinger, E. (2014). *Excellence in Ag Sciences Day Proceeding, 2014*.

Other

Woldt, W., Pekarek, K. (2015). *Vulnerable Landscapes & Water Resources: A Curriculum* (pp. 73). Lincoln, NE: Dept of Biological Systems Engineering, Nebraska Extension.

Pekarek, K., Fech, J. C. (2014). *Pond Problems and Management*. St. Johnsbury, VT:.

Woldt, W., Pekarek, K. (2014). *Watersheds, Water Wells and Wastewater: A Curriculum* (pp. 73). Lincoln, NE: Dept of Biological Systems Engineering, Nebraska Extension.

Feehan, K., Pekarek, K., Shelton, D., Rodie, S., Franti, T. (2014). *Stormwater Management: Rainwater Harvesting with Rain Barrels* (pp. 4). <http://www.ianrpubs.unl.edu/sendIt/g2220.pdf>

Shelton, D., Rodie, S., Feehan, K., Franti, T., Pekarek, K. (2013). *Stormwater Management: Disconnecting Downspouts and Impervious Surfaces* (pp. 4). Lincoln, NE: University of Nebraska Extension. <http://www.ianrpubs.unl.edu/sendIt/g2186.pdf>

Feehan, K., Pekarek, K., Bauer, E. C., Shelton, D., Burnett, C., Killinger, E., Pleskac, K. (2012). *Stormwater Sleuth* (pp. 16). <http://marketplace.unl.edu/extension/mp97.html>

Feehan, K., Pekarek, K., Holm, B., Shelton, D., Rodie, S., Franti, T. (2012). (pp. 4). University of Nebraska-Lincoln. <http://www.ianrpubs.unl.edu/sendIt/g2148>

Pekarek, K., Shelton, D., Feehan, K., Holm, B. (2011). *Stormwater Management: Terminology* (pp. 12 p.). University of Nebraska Extension.

Presentations Published in Proceedings

Pekarek, K. (Presenter & Author), Rodie, S. (Author Only), Feehan, K. (Author Only), Shelton, D. (Author Only), Franti, T. (Author Only), International Low Impact Development Conference, "Implementing Green Infrastructure BMPs: Extension Programming Impacts in Stormwater Management Education," University of Minnesota Extension, St. Paul, MN. (August 2013).

Feehan, K. (Presenter & Author), Holm, B. (Author Only), Bauer, E. (Author Only), Pekarek, K. (Author Only), Killinger, E. (Author Only), Pleskac, K. (Author Only), Shelton, D. (Author Only), International Low Impact Development Conference, "Stormwater Sleuth and Running Rain! Slowing it Down! Keeping it Clean! - Stormwater Education for Decision Makers of Tomorrow.," University of Minnesota Extension, St. Paul, MN. (August 2013).

Shelton, D. (Presenter & Author), Feehan, K. (Author Only), Rodie, S. (Author Only), Franti, T. (Author Only), Pekarek, K. (Author Only), Holm, B. (Author Only), Soil and Water Conservation Society Annual Conference, "Stormwater Management Education in Nebraska: Integrating Extension, Teaching, and Research (Oral Presentation)," Soil and Water Conservation Society, Reno, NV. (July 2013).

Shelton, D. (Presenter & Author), Feehan, K. (Author Only), Rodie, S. (Author Only), Franti, T. (Author Only), Pekarek, K. (Author Only), Holm, B. (Author Only), Soil and Water Conservation Society Annual Conference, "Stormwater Management Education in Nebraska: Integrating Extension, Teaching, and Research (Poster Presentation)," Soil and Water Conservation Society, Reno, NV. (July 2013).

Shelton, D. (Presenter & Author), Feehan, K. (Author Only), Rodie, S. (Author Only), Franti, T. (Author Only), Pekarek, K. (Author Only), Water: Science, Practice, and Policy Symposium,

"UNL Extension Stormwater Management Resources," Nebraska Water Center and USGS Nebraska Water Sciences Center, Lincoln, NE. (November 13, 2012).

Shelton, D. (Presenter & Author), Feehan, K. (Author Only), Rodie, S. (Author Only), Franti, T. (Author Only), Pekarek, K. (Author Only), 2012 USDA-NIFA Land Grant/Sea Grant National Water Conference, "Stormwater Management Education in Nebraska: Integrating Extension, Teaching, and Research," USDA-NIFA, Portland, OR. (May 23, 2012).

Pekarek, K. (Presenter & Author), Feehan, K. (Author Only), Rodie, S. (Author Only), Shelton, D. (Author Only), Franti, T. (Author Only), 2012 USDA-NIFA Land Grant/Sea Grant National Water Conference, "The Role of Extension Programming in Stormwater Management Education for Community Decision Makers," USDA-NIFA, Portland, OR. (May 23, 2012).

Presentations Given

Pekarek, K., Changes: Climate, Water and Life on the Great Plains, "Moderator," Nebraska Water Center, Lincoln, Nebraska.

Pekarek, K., Columbus Water Day - School Enrichment Event, "A Little Bit Adds Up to A Lot!," UNL Extension, Columbus, NE.

Pekarek, K., NCEA and UNL Extension Fall Conference, "Stormwater Sleuth Kit Pilot Program," NCEA and UNL Extension, Kearney, NE.

Pekarek, K., NRD Fall Managers Meeting, "Domestic Well Interferences: UNL resources," NARD, Niobrara, NE.

Pekarek, K. (Presenter & Author), NRD Legislative Conference, "Opportunities for NRD-Extension Partnerships," NARD, Lincoln, Nebraska.

Pekarek, K., NRD Spring Managers Meeting, "UNL-Extension: Contributing to Education for Nebraskans on Natural Resources topics," NARD, Norfolk, NE.

Pekarek, K., SCWIG Spring Meeting, "Developing Educational Components in a Water Quality Plan," Shell Creek Watershed Improvement Group, Columbus, NE.

Pekarek, K., Shell Creek Water Quality Plan Steering Committee Meeting, "Gaining Stakeholder Input in a Water Quality Plan," Shell Creek Watershed Improvement Group, Platte Center, NE.

Pekarek, K., UNL Extension Ag Educators Study Tour, "UNL-Extension Water Quality Programming and Needs," NCEA Ag Section, Minnesota.

Pekarek, K., UNL Extension Ag Educators Study Tour, "Utilizing Social Media to create greater impact in Extension Programming," NCEA Ag Section, Adel, Iowa.

Shelton, D., Feehan, K., Rodie, S., Franti, T., Holm, B., Pekarek, K., USDA NIFA NIWQP and AFRI PD Meeting, "Improving and Conserving Water Resources through Stormwater Management Education for Community Decision Makers of Today and Tomorrow," USDA NIFA, Washington, DC. (October 29, 2014).

Shelton, D., Rodie, S., Feehan, K., Franti, T., Holm, B., Pekarek, K., ANREP Biennial Meeting, "Stormwater Management Education in Nebraska: Integrating Extension, Teaching, and Research," Sacramento, CA. (May 20, 2014).

Shelton, D., Pekarek, K., Rodie, S., Feehan, K., Franti, T., Holm, B., ANREP Biennial Meeting, "Stormwater Management Education in Nebraska: Integrating Extension, Teaching, and

- Research," Association of Natural Resources Professionals, Sacramento, CA. (May 18, 2014).
- Pekarek, K., Great Connections Conference, "Supporting your Stormwater Projects with Extension and Outreach Efforts: A Nebraska Case Study," International Erosion Control Association, Des Moines, IA. (April 30, 2014).
- Pekarek, K., Holm, B., 2014 Great Plains LID Symposium, "Stormwater Management Education in Nebraska: Integrating Extension, Teaching, and Research," Tulsa, OK. (April 2, 2014).
- Pekarek, K., "How we engage each other: A University of Nebraska-NDEQ relationship," Nebraska Department of Environmental Quality, Lincoln, NE. (March 20, 2014).
- Feehan, K. (Presenter & Author), Holm, B. (Author Only), Bauer, E. (Author Only), Pekarek, K. (Author Only), Killinger, E. (Author Only), Pleskac, K. (Author Only), Shelton, D. (Author Only), Climate, Water and Life on the Great Plains UNL Water Symposium, "Water Education for Youth - Our Decision Makers of Tomorrow.," University of Nebraska-Lincoln, Lincoln, NE. (October 2013).
- Pekarek, K. (Presenter & Author), Rodie, S. (Author Only), Feehan, K. (Author Only), Shelton, D. (Author Only), Franti, T. (Author Only), International Low Impact Development Conference, "Implementing Green Infrastructure BMPs: Extension Programming Impacts in Stormwater Management Education," University of Minnesota Extension, St. Paul, MN. (August 2013).
- Feehan, K. (Presenter & Author), Holm, B. (Author Only), Bauer, E. (Author Only), Pekarek, K. (Author Only), Killinger, E. (Author Only), Pleskac, K. (Author Only), Shelton, D. (Author Only), International Low Impact Development Conference, "Stormwater Sleuth and Running Rain! Slowing it Down! Keeping it Clean! - Stormwater Education for Decision Makers of Tomorrow.," University of Minnesota Extension, St. Paul, MN. (August 2013).
- Shelton, D. (Presenter & Author), Feehan, K. (Author Only), Rodie, S. (Author Only), Franti, T. (Author Only), Pekarek, K. (Author Only), Holm, B. (Author Only), Soil and Water Conservation Society Annual Conference, "Stormwater Management Education in Nebraska: Integrating Extension, Teaching, and Research (Oral Presentation)," Soil and Water Conservation Society, Reno, NV. (July 2013).
- Shelton, D. (Presenter & Author), Feehan, K. (Author Only), Rodie, S. (Author Only), Franti, T. (Author Only), Pekarek, K. (Author Only), Holm, B. (Author Only), Soil and Water Conservation Society Annual Conference, "Stormwater Management Education in Nebraska: Integrating Extension, Teaching, and Research (Poster Presentation)," Soil and Water Conservation Society, Reno, NV. (July 2013).
- Rodie, S. (Presenter & Author), Shelton, D. (Author Only), Feehan, K. (Author Only), Franti, T. (Author Only), Pekarek, K. (Author Only), Holm, B. (Author Only), National Urban Extension Conference, "Urban Extension Stormwater Programming; Partnering and Implementation Success Stories," Kansas State University Extension, Overland Park, KS. (May 9, 2013).
- Shelton, D. (Presenter & Author), Feehan, K. (Author Only), Rodie, S. (Author Only), Franti, T. (Author Only), Pekarek, K. (Author Only), Water: Science, Practice, and Policy Symposium, "UNL Extension Stormwater Management Resources," Nebraska Water Center and USGS Nebraska Water Sciences Center, Lincoln, NE. (November 13, 2012).
- Shelton, D. (Presenter & Author), Feehan, K. (Author Only), Rodie, S. (Author Only), Franti, T. (Author Only), Pekarek, K. (Author Only), NeFSMA Annual Conference, "UNL Stormwater Management Publications and Website," Nebraska Floodplain and Stormwater Managers Association (NeFSMA), Columbus, NE. (November 8, 2012).

Shelton, D. (Presenter & Author), Feehan, K. (Author Only), Rodie, S. (Author Only), Franti, T. (Author Only), Pekarek, K. (Author Only), 2012 USDA-NIFA Land Grant/Sea Grant National Water Conference, "Stormwater Management Education in Nebraska: Integrating Extension, Teaching, and Research," USDA-NIFA, Portland, OR. (May 23, 2012).

Pekarek, K. (Presenter & Author), Feehan, K. (Author Only), Rodie, S. (Author Only), Shelton, D. (Author Only), Franti, T. (Author Only), 2012 USDA-NIFA Land Grant/Sea Grant National Water Conference, "The Role of Extension Programming in Stormwater Management Education for Community Decision Makers," USDA-NIFA, Portland, OR. (May 23, 2012).

Rodie, S. (Presenter & Author), Feehan, K. (Author Only), Franti, T. (Author Only), Pekarek, K. (Author Only), Shelton, D. (Author Only), Biennial National Conference, "Stormwater Management Education in Nebraska: Integrating Extension, Teaching, and Research," Association of Natural Resource Extension Professionals, Hendersonville, NC. (May 23, 2012).

Shelton, D. (Presenter & Author), Feehan, K. (Author Only), Rodie, S. (Author Only), Franti, T. (Author Only), Pekarek, K. (Author Only), NeFSMA Membership Meeting, "UNL Stormwater Management Publications and Other Information Sources," Nebraska Floodplain and Stormwater Managers Association (NeFSMA), La Vista, NE. (April 19, 2012).

Contracts, Grants and Sponsored Research

Grant

Pekarek, K. (Principal Investigator), Skipton, S. (Co-Principal Investigator), Stoner, N. (Co-Principal Investigator), Timmerman, A. (Co-Principal Investigator), "Project ID 29152: Youth Water Education: Building Informed and Empowered Nebraskans," Sponsored by Nebraska Environmental Trust, Other Agencies, \$88,272.00. (July 1, 2015 - June 30, 2018).

Pekarek, K. (Co-Principal Investigator), VanDeWalle, B. (Co-Principal Investigator), "Project ID 29187: Nebraska High School Interactive Water Education Project," Sponsored by Nebraska Environmental Trust, Other Agencies, \$258,000.00. (July 1, 2015 - June 30, 2018).

Pekarek, K., Snow, D., Schmidt, A., Bartelt-Hunt, S. L., Li, X., "Optimizing Watershed Manure Management for Water Quality Protection Under Climate Change," Sponsored by Dept of Agriculture-NIFA, Federal, \$659,445.00.

VanDeWalle, B., Thompson, L., Luck, J., Woldt, W., Pekarek, K., Burr, C., Zoubek, G., Irmak, S., Nygren, A., Mueller, N., Killinger, E., Timmerman, A., Rees, J., Kreifels, M., "Connecting Industry Partners & Extension with Nebraska Agricultural Education," Sponsored by Nebraska Extension Dean's Office, Universities, \$10,000.00. (2014 - 2015).

Pekarek, K. (Principal Investigator), Franti, T. (Investigator), "Water Quality for CCAs in Watershed," Sponsored by Environmental Protection Agency, Federal.

Timmerman, A. (Principal Investigator), Pekarek, K. (Investigator), Stoner, N. (Investigator), Forbes, C. (Investigator), Fech, J. (Investigator), Dam, K. (Investigator), Stuhr, T. (Investigator), VanDeWalle, B. (Investigator), "Youth Water Education," Sponsored by North Central Region Water Network, Associations/Foundations.

Pekarek, K., Burr, C., "Project ID 29215: Cover Crop Outreach and Demonstration for Water Quality and Soil Health," Sponsored by Nebraska Department of Environmental Quality, State Agencies, \$277,875.00. (July 1, 2015 - Present).

Burr, C. (Principal Investigator), Pekarek, K. (Investigator), "Cover Crop Outreach Water Quality," Sponsored by Ne Dept Environmental Quality, State Agencies.

VanDeWalle, B. (Principal Investigator), Pekarek, K. (Investigator), "Teacher Water Sampling Training," Sponsored by Ne Environmental Trust, State Agencies.

Pekarek, K. (Principal Investigator), Timmerman, A. (Investigator), Stoner, N. (Investigator), Skipton, S. (Investigator), "Youth Water Education," Sponsored by Ne Environmental Trust, State Agencies.

Brandle, J. R. (Principal Investigator), Pekarek, K. (Investigator), Pennisi, L. (Investigator), "NDEQ: Prairie Pines Wetland Program," Sponsored by Ne Dept Environmental Quality, State Agencies.

Brandle, J. R. (Principal Investigator), Pekarek, K. (Investigator), Pennisi, L. (Investigator), "NET: Prairie Pines Wetland Program," Sponsored by Ne Environmental Trust, State Agencies.

Pekarek, K. (Principal Investigator), Shelton, D. (Investigator), Feehan, K. (Investigator), "Stormwater Sleuth," Sponsored by Ne Alliance Conserv & Environ Educ, Associations/Foundations.

SERVICE

University Service

Committee Chair, SNR Seminar Series. (July 2015 - Present).

University of Appeals Board Member, University of Appeals Board. (September 2014 - Present).

Committee Member, Nebraska Cooperative Extension Association. (October 2012 - Present).

Committee Member, IANR Extension Search Committee. (September 2015 - October 2015).

Professional Service

Chairperson, Master Conservationist Award, Nebraska. (January 1, 2014 - Present).

Member, Nebraska Department of Environmental Quality 319 Grant Review, Lincoln, Nebraska. (September 2013 - Present).

Member, Board of Directors of a Professional Organization, Nebraska Floodplain and Stormwater Managers Association, Nebraska. (November 2012 - Present).