

# James R. Farmer

## Curriculum Vitae

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School of Public Health, 133  
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### EDUCATION

- 2009     *Ph.D. Indiana University, Bloomington*  
Major: Leisure Behavior  
Dissertation Title: Motivations for the Adoption of a Conservation Easement:  
                          A Midwestern Perspective.  
Minor: Environmental Science
- 2006     *M.S. Indiana University, Bloomington*  
Major: Outdoor Recreation and Resource Management
- 2000     *B.S. Indiana University, Bloomington*  
Major: Social Studies (US History, Geography, Anthropology), Secondary  
                          Education

### APPOINTMENTS

- 2018-pres.    *Associate Professor of Outdoor Recreation, Parks, and Human Ecology*  
Dept. of Recreation, Park, and Tourism Studies  
School of Public Health-Bloomington  
Indiana University (IU), Bloomington, IN
- 2012-2018    *Assistant Professor of Outdoor Recreation, Parks, and Human Ecology*  
Program Coordinator for B.S./M.S. in Outdoor Recreation- 2015-present  
Dept. of Recreation, Park, and Tourism Studies  
School of Public Health-Bloomington  
Indiana University (IU), Bloomington, IN
- 2011-2012    *Assistant Professor of Environmental Studies and Outdoor Education,*  
Associate Director of Center for Environmental Action  
Earlham College, Richmond, IN
- 2009-2011    *Assistant Professor of Natural Resources and Recreation Management,*  
Program Coordinator for Natural Resources and Recreation Management,  
Environmental Science adjunct faculty member  
Marshall University, Huntington, WV

### OTHER ACADEMIC AFFILIATIONS/ADJUNCT STATUS

- 2017-        Co-Director, IU Campus Farm
- 2016-        Human Biology, Indiana University
- 2016-        Center for the Analysis of Social-Ecological Landscapes (CASEL), Indiana  
                          University

2016- Dept. of Environmental Health, Indiana University  
 2015- School of Planning, Univ. of Waterloo, Waterloo, ON, CA  
 2015- Dept. of Anthropology, Indiana University  
 2014- Dept. of Geography, Indiana University  
 2014- School of Public & Environmental Affairs, Indiana University  
 2013- Integrated Program in the Environment, Indiana University  
 2013- Ostrom Workshop in Political Theory & Policy Analysis, Indiana University

## **HONORS, AWARDS, AND FELLOWSHIPS**

2018 Nominated for Bicentennial Professor- Indiana University Bloomington  
 2016 IUB Outstanding Jr. Faculty Scholar Award Recipient- Office of the Vice Provost for Faculty and Academic Affairs & Office of the Vice Provost for Research  
 2016 Early Career Research Award Recipient- School of Public Health-Bloomington  
 2016 Campus Catalyst Teaching Award- Indiana University Office of Sustainability  
 2014 Sustainability Course Development Fellowship, Indiana University  
 2013 Sustainability Course Development Fellowship, Indiana University  
 2013 Sustainability Community of Practice Seminar, Invited, Indiana University  
 2008 Garrett Eppley Scholarship, Indiana University  
 2007 Garrett Eppley Scholarship, Indiana University  
 2007 Indiana University Fellowship, School of HPER  
 2007 Lebert H. Weir Award: Outstanding Doctoral Student Indiana University  
 2006 Indiana University Fellowship, School of HPER

## **RESEARCH**

### Research Areas of Interest

Sustainability Behavior & Decision-Making  
 Community Food Systems  
 Natural Resources Sustainability  
 Social-Ecological Systems

### Current Research Projects

1. Emerging Areas of Research: Sustainable Food Systems Science. PI- **Farmer, J.**, Co-PIs: Babb, A., Brondizio, E., Bruce, A., Dickinson, S., Fulton, B., Giroux, S., Ipsen, C., Knudsen, D., Osterhoudt, S., Robinson, J., Todd, P., Valliant, J.D., Waldman, K.
2. Organic transition for Indiana commodity crop farmers. PI-Benjamin, T., Co-PI- **Farmer, J.**, O'Donnell, M., Bruce, A., and Torres, A. Funded by the United States Department of Agriculture: Sustainable Agriculture Research and Education: North Central Region.
3. Reframing Indiana U-Cut Christmas Tree Operations: Building on the Local. PI- **Farmer, J.**, Co-PI- Bruce, A., and Sambol, L. Funded by the ISDA: Specialty Crop Grant.
4. Intergenerational land-transfer to promote and perpetuate sustainable agriculture enterprises in the Midwest (U.S.). PI- **Farmer, J.**, Co-PI- Valliant, J., Fund, M., Ruhf, K., and Marshall, M. Funded by the USDA: North Central Region SARE.

5. Specialty crops and high tunnels: evaluating success and building future capacity. PI- **Farmer, J.**, Bruce, A., Maynard, L., Valliant, J. Funded by the ISDA: Specialty Crop Grant.
6. Long-term outcomes of neighborhood tree plantings amongst Keep Indianapolis Beautiful neighborhood participants. PI- Heather Reynolds, Co-PI- **Farmer**, Co-PI- Mincey, S. Funded by the IU Grand Challenge: Prepared for Change.
7. Understanding values contributing to conservation practice: Indiana farmers and a comparison of conventional, organic, and those in transition. PI- **Farmer, J.**, Co-PI- Bruce, A., Co-PI- Lave, R., and Co-PI- Ward, A. Funded by the IU Grand Challenge: Prepared for Change.

#### Books & Book Chapters

1. Robinson, J. & **Farmer, J.** (2017). *Selling Local: Why Local Food Movements Matter*. Bloomington, IN: Indiana University Press. ISBN: 978-0-253-02698-9; **Peer-Reviewed**.

#### Peer-Reviewed Publications<sup>1</sup>

1. Valliant, J.D., **Farmer, J.**, Dickinson, S., Bruce, A., & Robinson, J. (2017). Family as a catalyst in farms' diversifying agricultural products: A mixed methods analysis of diversified and non-diversified farms in Indiana, Michigan and Ohio. *Journal of Rural Studies*, 55, 303-315. <https://www.sciencedirect.com/science/article/pii/S074301671630434X> (2.440)
2. Khan, K., Badyia, R.,\* Aryal, A,\* **Farmer, J.**, & Valliant, J. (2017). Neurological and mental health outcomes among conventional and organic farmers. *Annals of Agricultural and Environmental Medicine*. (0.829)
3. Bruce, A., **Farmer, J.**, Maynard, L., & Valliant, J. (2017). Moving from avocation to a vocation: the challenge of new and beginning farmers and high tunnels. *Journal of Agriculture, Food Systems, and Community Development*.
4. Knackmuhs, E.\* & **Farmer, J.** (2017). Trust, conservation, and communication: implications for lethal deer management by a city parks & recreation department. *Journal of Park and Recreation Administration*.
5. **Farmer, J.**, Ma, Z. Drescher, M., Knackmuhs, E.,\* and Dickinson, S. (2017). Private landowners, voluntary conservation programs, and implementation of conservation friendly land management practices. *Conservation Letters*, 10(1), 58-66. <http://onlinelibrary.wiley.com/doi/10.1111/conl.12241/full> (7.241).
6. Betz, M.,\* Mills, J.,\*\* & **Farmer, J.** (2017). A preliminary overview of community orcharding in the United States. *Journal of Agriculture, Food Systems, and Community Development*. <http://dx.doi.org/10.5304/jafscd.2017.072.002>
7. Drescher, M., Warriner, K., **Farmer, J.** and Larson, B. (2017). Private landowners and environmental conservation: a case study of social-psychological determinants of conservation program participation in Ontario. *Ecology and Society* 22(1):44. <https://doi.org/10.5751/ES-09118-220144> (3.310)
8. Knackmuhs, E.,\* **Farmer, J.**, and Reynolds, H. (2017). Student Outcomes of Eco-

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<sup>1</sup> \* denotes graduate student; \*\* denotes undergraduate student; \*\*\* published during my doctoral studies; (X.XXX) is the most recent published impact factor

- Restoration Service-Learning Experiences in Urban Woodlands. *Journal of Experiential Education*. <http://journals.sagepub.com/doi/full/10.1177/1053825916679182> (1.09)
9. Snider, C.\* and **Farmer, J.** (2017). Impacts of a Southern Indiana Summer Camp: Adult Reflections on Childhood Experiences. *Journal of Youth Development*, 11(3), <http://dx.doi.org/10.5195/jyd.2016.470>
  10. **Farmer, J.** Minard, S.\* and Edens, C. (2016). Local foods and low-income communities: location, transportation, and values. *Journal of Agriculture, Food Systems, and Community Development*, 6(4), 41-53. <http://dx.doi.org/10.5304/jafscd.2016.064.009>
  11. Ruseva, T., **Farmer, J.**, and Chancellor, C. (2016). Networking for conservation: social capital and perceptions of organizational success among land trust boards. *Ecology and Society*, 21 (2). <http://www.ecologyandsociety.org/vol21/iss2/art50/> (3.310)
  12. **Farmer, J.**, Brenner, J., Drescher, M., Dickinson, S., and Knackmuhs E.\* (2016). Perpetual private land conservation: the case for outdoor recreation and functional leisure. *Ecology and Society*, 21(2). <http://www.ecologyandsociety.org/vol21/iss2/art46/> (3.310)
  13. **Farmer, J.** and Betz, M.\* (2016). Rebuilding local foods in Appalachia: variables affecting distribution methods of West Virginia farms. *Journal of Rural Studies*, 45, 34-42. <http://www.sciencedirect.com/science/article/pii/S0743016716300341> (2.440)
  14. **Farmer, J.**, Chancellor, C., Brenner, J., Whitacre, J.\* and Knackmuhs, E.\* (2016). To ease or not to ease: interest in conservation easements among landowners in Brown County, Indiana. *Professional Geographer*, 68(4), 584-594. <http://www.tandfonline.com/doi/full/10.1080/00330124.2015.1129910> (1.500)
  15. Betz, M.\* and **Farmer, J.** (2016). Farmers' market governance and its role on consumer motives and outcomes. *Local Environment*. <http://www.tandfonline.com/doi/abs/10.1080/13549839.2015.1129606> (1.360)
  16. **Farmer, J.**, Meretsky, V., Knapp, D., Chancellor, C., & Fischer, B. (2015). Why agree to a conservation easement? Understanding the decision of conservation easement granting. *Landscape and Urban Planning*. 138, 11-19. <http://dx.doi.org/10.1016/j.landurbplan.2015.01.005> (3.037)
  17. Reynolds, H., Smith, A., and **Farmer, J.**, (2014). Think globally, research locally: paradigms and place in agroecological research. *American Journal of Botany*, 101(10), 1631-1639. <http://www.amjbot.org/content/101/10/1631.full> (2.463)
  18. **Farmer, J.**, Epstein, G.\* Watkins, S.\* and Mincey, S. (2014). Organic farming in West Virginia: a behavioral approach. *Journal of Agriculture, Food Systems, and Community Development*, 4(4), 155-171. <http://dx.doi.org/10.5304/jafscd.2014.044.007>
  19. **Farmer, J.**, Chancellor, C., Robinson, J. West, S., and Weddell, M. (2014). Agrileisure: farmers' markets, CSAs, and the privilege in eating local. *Journal of Leisure Research*, 46(3), 313-328. <http://search.proquest.com/proxyiub.uits.iu.edu/docview/1550823712/8294627057EF4D7BPQ/5?accountid=11620> (0.592)
  20. Knackmuhs, E.\* and **Farmer, J.** (2014). It's not just for plants: exploring the human dimensions of eco-restoration. *Illuminaire*, 12, 1-15.
  21. Whitacre, J.\* & **Farmer, J.** (2013). How come the best job I ever had was when I worked at a summer camp?: Understanding retention among camp counselors.

- Journal of Youth Development*, 8(2), 29-40.\*  
<https://jyd.pitt.edu/ojs/jyd/article/viewFile/94/80>
22. Dawson, S.,\* Knapp, D., & **Farmer, J.** (2012). Camp ware buddies: exploring therapeutic benefits of social comparison in a pediatric oncology camp. *Therapeutic Recreation Journal*, 46(4), 313-325.\* <http://www.littlereddoor.org/wp-content/uploads/2016/02/LRD-Camp-War-Buddies.pdf>
  23. **Farmer, J.** (2012). The leisure in living local through food and farming. *Leisure Sciences*, 34(5), 1-6. <http://www.tandfonline.com/doi/abs/10.1080/01490400.2012.714708> (1.109)
  24. **Farmer, J.**, Knapp, D., Meretsky, V., Chancellor, C., & Fischer, B. (2011). Motivations influencing the adoption of conservation easements. *Conservation Biology*, 25(4), 827-834. <http://dx.doi.org/10.3375/043.031.0109> (4.32)
  25. **Farmer, J.**, Chancellor, C., Gooding, A., Shubowitz, D.,\* & Bryant, A.\* (2011). A tale of four markets: recreation and leisure as a catalyst for sustainability. *Journal of Park and Recreation Administration*, 29(3), 11-23.  
<http://web.a.ebscohost.com/abstract?direct=true&profile=ehost&scope=site&authType=crawler&jrnl=07351968&AN=66248875&h=Q2zE%2f1G3b3S3w%2b8cMc25Le ni7btNA6fto0L2yYF39jU%2fMA7c1hZIZjt1RpNoh%2fS8wsV7RzQUTScGD%2f79fIS qg%3d%3d&crl=f&resultNs=AdminWebAuth&resultLocal=ErrCrlNotAuth&crlhashurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3dsite%26authType%3dcrawler%26jrnl%3d07351968%26AN%3d66248875>
  26. **Farmer, J.**, Chancellor, C., & Fischer, B.C. (2011). Space to romp and roam: how open space and natural areas may impact land conservation behavior. *Natural Areas Journal*, 31(3), 340-348. <http://www.bioone.org/doi/abs/10.3375/043.031.0404> (0.710)
  27. **Farmer, J.**, Chancellor, C., and Fischer, B. (2011). Motivations for using conservation easements as a land protection mechanism: a mixed methods analysis. *Natural Areas Journal*, 31(1), 80-87. <http://www.bioone.org/doi/full/10.3375/043.031.0109> (0.710)
  28. Kozub, M. F. & **Farmer, J.** (2011). Physical activity, free time motivation, and perceptions of middle school children. *The Physical Educator*, 68(1), 18-29.  
[http://digitalcommons.brockport.edu/cgi/viewcontent.cgi?article=1064&context=pes\\_facpub](http://digitalcommons.brockport.edu/cgi/viewcontent.cgi?article=1064&context=pes_facpub)
  29. Chancellor, H.C., Norman, W.C., **Farmer, J.**, & Coe, E.\* (2010). Tourism organizations and land trusts: a sustainable approach to natural resource conservation? *Journal of Sustainable Tourism*, 19(7), 863-875.  
<http://dx.doi.org/10.1080/09669582.2010.524703> (2.392).
  30. **Farmer, J.** & Knapp, D. (2008). Interpretation programs at a historic preservation site: a mixed methods study of long-term impact. *Journal of Mixed Methods Research*, 2(4), 340-361. <http://journals.sagepub.com/doi/pdf/10.1177/1558689808321026> (1.927)\*\*\*
  31. **Farmer, J.**, Knapp, D., & Benton, G. (2007). An elementary school environmental education field trip: long-term effects on ecological and environmental knowledge and attitude development. *Journal of Environmental Education*, 38(3), 33-42.  
<http://www.tandfonline.com/doi/abs/10.3200/JOEE.38.3.33-42> (0.765)\*\*\*

32. **Farmer, J.**, Knapp, D., & Benton, G. M. (2006). The effects of primary sources and field trip experience on the knowledge retention and impact of multicultural content. *Multicultural Education*, 14(3), 27-31. <http://files.eric.ed.gov/fulltext/EJ762419.pdf>  
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#### Peer-Reviewed Publications in Review

1. **Farmer, J.**, Babb, A.,\* Minard, S.,\* and Veldman, M. (In Review- 3<sup>rd</sup>). Accessing Local Foods – SNAP Households and Financial Incentives at a Recreation-Focused Midwestern Farmers' Market. *Journal of Agriculture, Food Systems, and Community Development*.
2. Bruce, A., **Farmer, J.**, Maynard, L., & Valliant, J. (In Review- 2<sup>nd</sup>). Success and challenges in high tunnel production. *International Journal of Agricultural Management*.
3. Knackmuhs, E., Farmer, J., and Knapp, D. (In Review- 2<sup>nd</sup>). The Relationship Between Narratives, Wildlife Value Orientations, Attitudes, and Policy Preferences. *Society and Natural Resources*.
4. Stavrianakis, K. and **Farmer, J.** (Revise and Resubmit). Sustainability outcomes associated with community gardening programs. *Children, Youth, and Nature*.
5. **Farmer, J.**, Cheng, Y., Dickinson, S., Robeson, S., Fischer, B., & Reynolds, H. (In Review- 1<sup>st</sup>). Adapting cities for climate change: Evidence from U.S. municipal park departments. *Landscape and Urban Planning*.
6. Valliant, J.D., Bruce, A., Dickinson, S., & **Farmer, J.** (Revise and Resubmit). Adaptation in a changing climate: comparing organic and conventional farmers. *Climactic Change*.
7. Seaman, A., **Farmer, J.**, Chancellor, C., and Sirima, A. (In Review- 1<sup>st</sup>). Conserving Nostalgia: Exploring Private Land Protection Patterns. *Journal of Environmental Studies and Sciences*.
8. Knackmuhs, E., Knapp, D., and **Farmer, J.** (In Review- 1<sup>st</sup>). Addressing Contemporary Criminal Justice Issues as Interpretive Outcomes at a Prison Museum. *Public Historian*.
9. Knackmuhs, E.\* and **Farmer, J.** (Revise and Resubmit). Ungulate dilemma: Implementing a deer herd reduction and the challenges in the human dimension. *Human Dimensions of Wildlife*.

#### Peer-Reviewed Publications in Development

1. Valliant, J.D., Dickinson, S., Fund, M., and **Farmer, J.** (In Development). Farmland transfer out of family: a Midwest case study. Preparing for *Land Use Policy*.
2. Ruseva, T., **Farmer, J.**, & Drescher, M. (In Development). Private lands and the commons: applying the SES framework to understanding land trust success and future directions in the realm of private land conservation. Preparing for *Ecology and Society*.
3. Bruce, A., **Farmer, J.**, & Maynard, E. (In Development). High tunnels in Indiana: A case study approach. Preparing for *Journal of Alternative Agriculture*.

## Other Publications

1. Betz, M., Mills, J., and **Farmer, J.** (2016). Community orchards as described by their organizers. Technical report distributed to research participants.
2. Okajima, J., McGee, J., Fischer, B.C., and **Farmer, J.R.** (2014). Surveying for Lake Management: The Success of an Online Survey to Gather Information on Lake Residents for Lake Associations. *LakeLines*, Summer, 27-33.
3. Finkelstein, Sara, Hilary Gaskill Gaddis, Ruth Katharine Hook, Stephanie C. Johnson, Nuhu Daniel Masay, Jana J. McGee, Jennifer Okajima, Alexandra Kay Praeuner, Jeffrey Kenneth Prygoski, Vladislav Radkov, Robert J. Ramos, Aaron Reynolds, Paul Victor Ripley, Rachel Meredith Rosen, Erik Michael Schneider, Satya R. Swaminathan, Shichao Tang, April Vautrinot, Keelyn K. Walsh, and Emily Marie Zeller. 2013. "Guidelines for Sustainable Lake Associations and Coalitions of Lake Associations: Research and Recommendations." Working Paper W13-14. SPEA V600 Capstone Course (instructors: B.C. Fischer, **J.R. Farmer** and S.K. Mincey) report prepared for Hubbard County COLA, Park Rapids, MN. Bloomington: Indiana University, Vincent & Elinor Ostrom Workshop in Political Theory & Policy Analysis.
4. **Farmer, J.**, Peters, C., Hanson, E., & Boettner, E. (2013). Overcoming the market barriers to organic production in West Virginia. USDA-NIFA grant final report. [http://www.downstreamstrategies.com/documents/reports\\_publication/overcoming\\_market\\_barriers\\_to\\_organic\\_production\\_in\\_wv.pdf](http://www.downstreamstrategies.com/documents/reports_publication/overcoming_market_barriers_to_organic_production_in_wv.pdf)
5. **Farmer, J.**, Farmer, S., Shubowitz, D., Wilk, R., & Wiley, A. (2011). Assessing local food systems: part 1. Abstract published in *Appetite*, 56(2), 528. (2.691)
6. **Farmer, J.** (2011). Supporting specialty crops and local food systems in Indiana. Indiana State Department of Agriculture: Specialty Crops Block Grant final report.
7. **Farmer, J.** & Knapp, D. (2009). Outcomes of the participant experience at the Jefferson Nat. Expansion Memorial: a mixed methods study. Technical report submitted to the National Park Service.
8. **Farmer, J.** & Knapp, D. (2009). Outcomes of the participant experience at Glacier Bay National Park. Technical report submitted to the National Park Service.
9. **Farmer, J.**, Fischer, B., & Chancellor, C. (2008). Outcomes of an IN conservation easement study. Technical report submitted to all participating Indiana land trusts.
10. **Farmer, J.** & Knapp, D. (2008). Outcomes of the participant experience at the Jefferson Nat. Expansion Memorial. Technical report submitted to National Park Service.

Funded Research Activities: (Total funding received: \$4,616,613[external: \$1,021,407])

### *In Review*

1. Farm Ties: Linking Retiring Farmers to Potential Successors. PI- Marshall, M., Co-PI- Wiatt, R., Collaborators: Valliant, J.D., **Farmer, J.** Extension Risk Management Education. (\$50,000 requested).

### *In Development*

1. How Provisioning Strategies of Low-Income, Rural Households Shape the Health of Children's Diets. PI- Knudsen, D., Collaborators- Babb, A., Valliant, J.D., Giroux, S., Waldman, K., Todd, P., **Farmer, J.** Robert Wood Johnson Foundation. (\$200,000 requested). Pre-proposal due July 18, 2018.

2. Rebuilding Broken Food Systems: Sustainable Food for the 21<sup>st</sup> Century. Co-PIs- Farmer, J. Bruce, A., Knudsen, D., Babb, A., Brondizio, E., Giroux, S., Osterhoudt, S., Todd, P., Robinson, J., Waldman, K, & Fulton, B. (order to be determined) National Science Foundation: Dynamics of Coupled Natural Human Systems. (\$1,000,000 being requested). Due November 15, 2018.

*Funded Projects*

1. Increasing the productivity, profitability, and sustainability of high tunnel production systems for Indiana specialty crop farmers. PI- Bruce, A., Co-PIs- Eldon, J., Carman-Sweeney, E., and **Farmer, J.** (\$108,398 funded).
2. Emerging Areas of Research. Food System Science. PI- **Farmer, J.**, Co-PIs- Bruce, A., Knudsen, D., Babb, A., Brondizio, E., Giroux, S., Osterhoudt, S., Todd, P., Robinson, J., Waldman, K, & Fulton, B. (\$2,838,000 and 3 faculty lines).
3. United States Department of Agriculture: Sustainable Agriculture Research and Education: North Central Region. Partnership Grant. Making the most of mulch: Strategic systems for small organic tomato growers. PI- Reynolds, H., **Co-PI- Farmer, J.**, Pershing, G., Rollo, D., and Woodard, L. (\$28,394 funded).
4. Association of Fish and Wildlife Agencies. Evaluating the Promise and Potential Impacts of R3 Efforts Targeting College Students. PI- Larson, L. Collaborators: Peterson, N., Lee, K., James, D., Rodriguez, S., Downer, B., Irwin, K., Lane, W., Springer, M., Cook, J., **Farmer, J.**, Basiger, J., Riley, S., Rudolph, B., Bruskotter, J., Vance, S., Van Deelen, T., Warnke, K., Stedman, R., Schiavone, M., Graefe, A., Jagnow, C., Sharp, R., Ahlers, A., Barrett, K., Metcalf, E., and Baumeister, T. (\$153,866 funded).
5. OVPR- Indiana University. PI- **Farmer, J.** Co-PIs- Reynolds, H. and Ricketts III, R. High Tunnel for Joint Research in the Arts and Sciences. (\$21,670 funded).
6. United States Department of Agriculture: Sustainable Agriculture Research and Education: North Central Region. Organic transition for Indiana commodity crop farmers. PI- Torres, A., **Co-PI- Farmer, J.**, Co-PI- McDonnell, M., and Co-PI- Bruce, A., (\$194,663 requested).
7. Indiana State Department of Agriculture: Specialty Crop Block Grant Research. Strengthening Indiana Christmas Tree Farms and Growers: A Framework for the Future. **PI- Farmer, J.**, Co-PI Bruce, A., and Sambol, L. (\$69,999 funded). Years Funded: 2017-2020.
8. Grand Challenge Program, 2017. Indiana University. Preparing for Change: Sustaining Nature's Assets, Public Health, and Human Well-being. 1 of 90+ investigators. PI- Ketterson, E. (\$55,000,000; \$458,965 for Co-Investigator **Farmer, J.** led project). Years Funded: 2017-2022.
9. IU Office of Sustainability- Innovation Fund  
Planting the Seed: IU Campus Farm at the Hinkle-Garton Farmstead. **PI- Farmer, J.**, Co-PI- Woodard, L., Andrews, C., Beam, C., Beyer, R., Carpenter, J., Getty, V., Girvin, M., Gray, C., Ipsen, C., Knudsen, D., Mills, J., Reynolds, H., Mincey, S., Ricketts, R., Robinson, J., and Tallent, D. (\$50,000). Years Funded: 2017-2020
10. Indiana University- Emerging Areas Research. Food systems for the 21<sup>st</sup> Century and Beyond. PI- Knudsen, D., Co-PI- **Farmer, J.**, Todd, P., & Wilk, R. (\$2,870,000 + 3 faculty lines requested unfunded; planning grant offered/accepted- \$28,000). Years Funded: 2017.



11. Indiana University- OVPR Grant-In-Aid. Food and Community. PI- Ipsen, C., Co-PI- **Farmer, J.** (\$3,000). Years Funded: 2016-2017
12. Collaborative Research and Creative Activity Grant. Indiana University- OVPR. *Indiana GIS Foodways Project.* **PI- Farmer, J.** Co-PI- Brondizio, E., Wilk, R. \$19,800 (funded). Years Funded: 2016-2017.
13. Dept. of Recreation, Park, and Tourism Studies- Leisure Research Institute. Managing Urban Forests in the Face of Climate Change: The Role of Municipal Park and Recreation Departments. PI- **Farmer, J.** (Indiana University), Wolter, S. (Eppley Institute for Parks and Public Lands), Ewert, A. (Env. Health), Fischer, B. (SPEA). Leisure Research Institute. \$3,306 (funded). Years Funded: 2016.
14. United States Department of Agriculture: Sustainable Agriculture Research and Education: North Central Region. Intergenerational land transfer to promote and perpetuate sustainable agriculture enterprises in the Midwest (U.S.). PI- **Farmer, J.**, Co-PI- Valliant, J., Fund, M., Ruhf, K., and Marshall, M. (\$199,566 funded).
15. Indiana State Department of Agriculture: Specialty Crop Block Grant. Specialty Crops and High Tunnels: Evaluating Success and Building Future Capacity. PI- **Farmer, J.**, Co-PI- Maynard, L., Co-PI- Valliant, J., Ellett, J. \$128,472 funded. January 1, 2016-December 31, 2017.
16. Indiana CTSI CHEP- Community-Based Research Project. Infusion or Assimilation: Barriers to the Integration of Local Food Systems Across the Community. PI- **Farmer, J.**, Co-PI- Mowatt, R., Veldman, M., Carter-Jones, C., Edens, C., Hutchison, M. \$24,800 (Funded). 2014.
17. IU- Faculty Research Support Program. Working with weeds: weeds as cover crops to improve soil health and organic farm success. PI-Reynolds, H. and Co-PI-**Farmer, J.** \$34,681 (Funded). 2014.
18. IU-OVPR- Pooled Research Funds for Centers and Institutes. Governance, policy, and institutions in the emerging US sustainable agriculture industry: understanding farmer decision making through an institutional lens. PI- **Farmer, J.**, Co-PI-Robinson, J.M., Fischer, B., Reynolds, R. \$78,175 (Funded). 2014.
19. IU School of Public Health. Indiana University Workshop on Sustainable Food Systems. PI-**Farmer, J.**, & Mowatt, R. School of Public Health- Ingenuity Grant. \$30,000 (Funded). 2014.
20. IU School of Public Health. The Effect of Park Visitation Upon Levels of Stress: Using Biophysical and Psychological Measures. PI-Ewert, A., PI, Klaunig, J., **Farmer, J.**, Wang, Z., Xun, P. Faculty Research Grant Program. \$19,920. (Funded). 2014.
21. Audubon Society/Toyota: TogetherGreen. Reconnecting with Place: Conserving Forest Habitat. PI- Reynolds, H. Capshew, J., **Farmer, J.**, Hagarter, R., Williams, M., Bauer, J. \$18,248 (Funded). 2013-2014.
22. University Research Council Grants Program (Appalachian State University) Land Conservation and Social Capital in South-Central Appalachia. PI-Ruseva, T., **Farmer, J.**, Chancellor, C. \$4,987 (Funded). 2012.
23. School of Public Health- General Research Support Funds. Private land conservation: understanding and comparing private landowner behavior in the US and Canada. PI- **Farmer, J.**, Michael Drescher (University of Waterloo), and Burnell Fischer (Indiana University). \$2000 (funded). 2013.

24. Leisure Research Institute. Private land conservation: understanding and comparing private landowner behavior in the US and Canada. **James Farmer**, PI (Indiana University), Michael Drescher (University of Waterloo), and Burnell Fischer (Indiana University). \$2,959 (funded). 2013.
25. Engaging RPTS Undergraduates in Faculty Research. Department of Recreation, Park, and Tourism Studies. In Search of Land: Farmer Land Trust Collaborations. PI-**Farmer, J.** \$1,000 (funded). 2012.
26. United States Department of Agriculture (USDA-OREI). Market variables for farmers in local food systems: whether or not a demand for USDA organics exists in WV. *Planning grant*. PI- Hartz, L. (Downstream Strategies, Morgantown, WV), Co-PI-**Farmer, J.**, (Environmental Studies, Earlham College), McConnell, T. (Agriculture Extension, West Virginia University), Kotcon, J. (Agriculture, West Virginia University). \$50,000 (Funded). 2012-2013.
27. United States Forest Service (USDA-USFS). Assessing the effectiveness in state agency stewardship of conservation easement lands through the USFS Forest Legacy program. PI- Fischer, B. (SPEA, Indiana University), **Farmer, J.** (Environmental Studies, Earlham College), Mincey, S. (SPEA, Indiana University), \$15,000 (Funded). 2011-2012.
28. Sustainability and Environmental Education Development (SEED) Grant. Understanding the use of *Capra aegagrus hircus* on the herbivory of native vs. invasive species on early successional lands. PI-**Farmer, J.**, (Earlham College, Environmental Studies), Glogower, J. (Earlham College, undergraduate), Smith, B. (Earlham College, Biology) \$1,029 (funded). 2011.
29. Indiana State Department of Agriculture: Specialty Crop Block Grant. Assessing Local Foods in Indiana: Farmers' Markets and Community Supported Agriculture. PI-**Farmer, J.**, (Natural Resources and Recreation Management, Marshall University), Shubowitz, D., (Dept. of Anthropology, Indiana University), Wilk, R., (Dept. of Anthropology, Indiana University), Farmer, S. (AAADS, Indiana University). \$30,000 (Funded). 2009-2010.
30. Marshall University Research Support. Assessing the recreation and leisure dynamics of local foods: farmers' markets and CSAs. 2010. \$2,000 (funded).
31. Indiana University, Faculty Research Support Program. Impact of a resident camp experience on children and youth with chronic illness. PI-Knapp, D., (Dept. of Recreation, Park, and Tourism Studies, **Farmer, J.** (Dept. of Recreation, Park, and Tourism Studies), Dawson, S. (Bradford Woods, Indiana University), Koenig, J. (Bradford Woods, Indiana University). \$24,000 (funded). 2009-2010.
32. Leisure Research Institute, Dept. of Recreation, Park, and Tourism Studies, Indiana University. Variables in the adoption of conservation easements: a Midwestern perspective. Student PI- **Farmer, J.** (Dept. of Recreation, Park, and Tourism Studies, Indiana University) Chancellor, C. (faculty mentor) (Dept. of Recreation, Park, and Tourism Studies, Indiana University). \$1,000 (funded). 2009.
33. Leisure Research Institute, Dept. of Recreation, Park, and Tourism Studies, Indiana University. Motivations and factors contributing to the use of conservation easements by Indiana landowners. PI-**Farmer, J.**, (Dept. of Recreation, Park, and Tourism Studies, Indiana University), Chancellor, C. (Dept. of Recreation, Park, and Tourism Studies, Indiana University). \$1,000 (funded). 2007.

34. Leisure Research Institute, Dept. of Recreation, Park, and Tourism Studies, Indiana University. Influences on camp staff retention. PI-**Farmer, J.**, (Dept. of Recreation, Park, and Tourism Studies, Indiana University), Knapp, D. (Dept. of Recreation, Park, and Tourism Studies, Indiana University). \$715 (funded). 2006.

#### *Unfunded Projects*

1. Social Science Research Commons: Research RFP. A Comparative Approach to Understanding New Farmer Entry into Agriculture. PI- Giroux, S., Co-PI- Bruce, A., Collaborator- Waldman, K., Collaborator- **Farmer, J.** (\$15,000 requested).
2. United State Department of Agriculture: Specialty Crop Research Initiative – Standard Research and Extension Project planning grant. Enhancing the adoption of biological control for arthropod pest management in high tunnel production systems. PI- Obrycki, J., Co-PI-Sadoff, C., **Co-PI-Farmer, J.**, Co-PI-Grant, J., Collaborators: Ballard, R., Benjamin, T., Bessin, R., Cañas, L., Cloyd, R., Foster, R., Guan, W., Hale, F., Heidel-Baker, T., Jett, L., Kaplan, I., Landenhoven, P., LeBeck, L., Maynard, E., Nemali, K., O'Donnell, M., Pfeufer, E., Saha, E., Toner, E., Torres, A., and Villanueva, R. Planning grant. (\$50,000 requested).
3. National Science Foundation: Early Career Award- Geographic and Spatial Sciences Program. Ecosystem Stewardship on Private Lands-Individual Dimensions of Private Landowners Enrollment in Private Land Conservation and Engagement in Active Land Management. PI- **Farmer, J.** (\$480,500 requested).
4. Social Sciences and Humanities Research Council of Canada. Managing ecosystem services from private lands as shared resources: an investigation of the applicability of common pool resource theory. PI- Drescher, M., De Loe, R., **Farmer, J.** Rees, T., and Buck, H. \$258,789. Submitted November 2015.
5. United State Department of Agriculture. Farmer chef training initiative for Indiana Local Food. PI- Ellett, J., Co-PI- Gaston, R., Co-PI- **Farmer, J.** \$50,000. Submitted May 15, 2015.
6. United States Fish and Wildlife Service: AFWA Multi-state Conservation Grant Program. PI- Larson, L., Brownlee, M., **Farmer, J.**, Metcalf, E., Peterson, N., Poudyal, N., Sharp, R., Schuett, M., Stedman, R., Trauntvein, N., Whiting, J., and Winkler, R. \$407,594 requested. Submitted May 11, 2015.
7. Social Sciences and Humanities Research Council of Canada. Managing ecosystem services from private lands as shared resources: an investigation of the applicability of common pool resource theory. PI- Drescher, M., De Loe, R., **Farmer, J.** Rees, T., and Buck, H. (\$258,789 Canadian Dollars). 2014.
8. United State Department of Agriculture: Sustainable Agriculture Research and Education: North Central Region. Managing waters on pastures for freshwater health, herd health, and profit: participatory research with livestock farmers and a survey of grazing watering systems in Indiana. PI- **Farmer, J.** and Co-PI- Valliant, J.D., \$199,959 (Unfunded) 2014-2015.
9. Audubon Society/Toyota: Together Green. Naturally Connected: Healthy Forests, Healthy Communities. PI-Reynolds, H., CO-PI- **Farmer, J.**, Capshew, J., Hagarter, R., Williams, M., Bauer, J. \$68,000 (Unfunded). (2014).

10. Indiana State Department of Agriculture: Specialty Crop Block Grant Program- RFP 14-072- Development of a Feasibility Study for Food Hubs. PI-Koehler, A., Warner, M., Morrow, M., **Farmer, J.** \$79,580 (Unfunded). 2014-2015.
11. United States Department of Agriculture: Sustainable Agriculture Research and Education Program. Research and Education Grant Program. Working with Weeds: Using Weeds as Cover Crops to Improve Soil Health and Organic Farm Success. PI-**Farmer, J.**, CO-PI-Reynolds, H., Ellett, J. \$106,707 (Unfunded). 2013.
12. United States Department of Agriculture: Sustainable Agriculture Research and Education Program. Research and Education Grant Program. In search of farmland: farmers, land trusts, and collaborative partnerships. PI- **Farmer, J.**, (RPTS-IU), Chancellor, C.- Co-PI (RPTS-IU), Fischer, B. (SPEA-IU), Weeks, W. (CLC- IU), and Ellett, J. (Purdue). \$193,688 (Unfunded). 2013.
13. CERES Trust.  
Working with Weeds: Using Weeds as Cover Crops to Improve Soil Health and Organic Farm Success. PI-Reynolds, H., CO-PI-**Farmer, J.**, Ellett, J. \$111,455 (Unfunded). 2013.
14. United States Department of Agriculture: Sustainable Agriculture Research and Education Program. Research and Education Grant Program. In search of farmland: farmers, land trusts, and collaborative partnerships. PI- **Farmer, J.** (RPTS-IU), CO-PI-Chancellor, C. (RPTS-IU), Robinson, J.M. (Dept. of Communication and Culture-IU), Fischer, B. (SPEA-IU), and Weeks, W. (Conservation Law Center- IU). \$199,800 (Unfunded in 2nd round). 2012-2013.
15. Oak Ridge National Laboratories: Ralph E. Powe Junior Faculty Enhancement Award. In search of farmland: land trusts, farmers, and collaborative partnerships. PI-**Farmer, J.** (RPTS- Indiana University). \$10,000 (Unfunded). 2012.
16. United States Department of Agriculture (USDA-NIFA).  
Restoring food and ecosystem services in an agriculturally dominated landscape: Consumable cuisine and naturalized landscaping in Wayne County, Indiana. PI-**Farmer, J.**, (Earlham College) Hays-Mussoni, S. (Cope Environmental Center). \$182,000 (Unfunded). 2012.
17. West Virginia, Division of Natural Resources.  
Environmental education and interpretive community trails planning at the Fox Forest WV Wildlife Management Area, Elkins, WV. PI-**Farmer, J.**, (Marshall University), Ingersoll, C. (Marshall University), Koehler, J. (Undergraduate Student, Marshall University), Knapp, D. (Dept. of Recreation, Park, and Tourism Studies, Indiana University). \$8,000 (Unfunded). 2011.
18. Environmental Protection Agency.  
Assessing the impact of environmental education: Indiana school children and the eagles to the nest. PI-**Farmer, J.**, (Dept. of Recreation, Park, and Tourism Studies, Indiana University), Knapp, D. (Dept. of Recreation, Park, and Tourism Studies, Indiana University). \$45,000 (Unfunded). 2008.

Conference Abstracts/Proceedings/Presentations (Peer-reviewed) <sup>2</sup>

*International/National*

1. **Farmer, J.**, Cheng, Y., Dickinson, S., Robeson, S., Fischer, B., & Reynolds, H. (Accepted). Preparing for change? U.S. Municipal Parks and Climate Change. National Recreation and Park Association annual meeting.
2. Drescher, M., **Farmer, J.**, Warriner, K., Epstein, G. (Accepted). Conservation Program Design Effects on Invasive Species Management by Private Landowners. North American Congress for Conservation Biology.
3. Knackmuhs, E., **Farmer, J.** and Knapp, D. (Accepted). The influence of narratives on support of controversial wildlife management policy. National Environmental and Recreation Research Symposium, SUNY-ESF New York.
4. Stavriankis, K.\* and **Farmer, J.** (2018). The Contribution of Community Gardens to City Sustainability: Changing Behavior Via Family Interventions. The Academy of Leisure Sciences annual meeting, Indianapolis, Indiana.
5. Stavriankis, K.\* and **Farmer, J.** (2018). Using ethograms to study outdoor recreation: starting with community gardens. Coalition for Education in the Outdoors. Martinsville, Indiana.
6. Maynard, E.T., Bluhm, E.A., Calsoyas, I.S., O'Donnell, M., Fingerle, M., Hartman, B., Robb, D., **Farmer, J.R.**, & Bruce, A. (2017). Crop growth and environment in Indiana winter high tunnel production. American Society for Horticultural Science. Waikoloa, Hawaii.
7. Bruce, A., and **Farmer, J.** (2017). Using high tunnels to promote season extension, produce quality, and yield: Comparing outcomes for organic and conventional growers. Rural Sociological Society. Columbus, OH.
8. **Farmer, J.**, Drescher, M., Brenner, J., Dickinson, S., and Knackmuhs, E.\* (2017). Private land conservation and the case of functional leisure. Canadian Congress on Leisure Research. Waterloo, ON, Canada.
9. Cheng, D.\* & **Farmer, J.** (2017- 16% acceptance rate). Are municipal parks preparing for change? Climate change and urban ecology. Adapting to Climate Change: Adaptations, Implementations, and Outcomes. South Bend, IN.
10. **Farmer, J.R.**, Babb, A.\* & Minard, S.\* (2016). SNAP at a Park Run Farmers' Market: Does it Matter? 2016 Leisure Research Symposium, St. Louis, MO.
11. Knackmuhs, E.G.\* & **Farmer, J.** (2016). Trust, Conservation, and Communication: Challenges of Lethal Deer Management by a City Parks & Recreation Department. 2016 Leisure Research Symposium, St. Louis, MO. **Best Student Paper Award.**
12. Drescher, M., Epstein, G., **Farmer, J.**, & Warriner, K. (2016). Conservation tax incentive programs for enhancing environmental stewardship on private lands. North American Congress for Conservation Biology: Society for Conservation Biology. Madison, WI.
13. Ruseva, T., **Farmer, J.**, & Drescher, M. (2016). Design principles for resource conservation on private lands: Learning from the common-pool resource literature. Association for Environmental Studies and Sciences. June 8-11. Washington DC.

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<sup>2</sup> P Indicates Poster Presentation

14. Seaman, A.,\* **Farmer, J.**, Chancellor, H.C., Sirima, A.,\* & Mgonja, J.T.\* (2016). *Conservation volunteerism, land donation & nostalgia*. Association of American Geographers Annual Meeting, San Francisco, CA.
15. Seaman, A.,\* Chancellor, H.C., **Farmer, J.**, Sirima, A.,\* & Mgonja, J.T.\* (2016). *Nostalgia & conservation: Creating an ideal American landscape*. Southwest Popular/American Culture Association Annual Conference, Albuquerque, NM.
16. **Farmer, J.**, Babb, A.,\* and Minard, S.\* (2016). SNAP Benefits and Farmers' Markets: Who is using SNAP and how are they different from an average market goer? National Symposium on Parks and Recreation in Public Health. February 10-12, 2016. Bloomington, IN. <sup>P</sup>
17. Hines, R.,\* Knackmuhs, E.,\* and **Farmer, J.** (2016). Environmental Education and Advocacy; Organized Multiday Canoeing and Kayaking Events. 2016 Coalition for Education in the Outdoors: Biennial Meeting. Martinsville, IN. <sup>P</sup>
18. Ruseva, T., Carboni, J.,\* Chancellor, C., and **Farmer, J.** (2015). Advancing the understanding of institutional behavior amongst land trusts. Association for Public Policy Analysis and Management annual meeting, Miami, FL.
19. Knackmuhs, E.\* and **Farmer, J.** (2015). Human dynamics of managing urban deer herds. Natural Areas Association annual meeting. Little Rock, AR.
20. **Farmer, J.**, Knackmuhs, E.,\* and Drescher, M. (2015). Perpetuating eco-restoration in private land conservation. Natural Areas Association annual meeting. Little Rock, AR.
21. Hayworth, C.M.,\* Knudsen, D.C., Betz, M.E., Antreasian, C.,\*\* and **Farmer, J.** (2015). It's all in the SKU: Coordinating small produce farmers and large retailers. Association of American Geographers, Annual Meeting. Chicago, IL.
22. Knackmuhs, E.,\* **Farmer, J.**, Whitacre, J.,\* Chancellor, C., and Brenner, J. (2014). Land residency and interest in conservation easements in southern Indiana: a behavioral approach. Natural Areas Association annual meeting. Dayton, OH. <sup>P</sup>
23. Knackmuhs, E.\* **Farmer, J.**, and Reynolds, H. (2014). Civic ecology and restoring the urban ecosystem via the work of neighborhood associations. Natural Areas Association annual meeting. Dayton, OH.
24. **Farmer, J.**, Chancellor, C., West, S., and Weddle, M. (2014). Participation in Farmers Markets: A Behavioral Approach. 2014 Leisure Research Symposium, Charlotte, NC.
25. **Farmer, J.** (2014). Panel Discussion: Local Food Systems and the Role of Recreation and Leisure. 2014 Leisure Research Symposium, Charlotte, NC.
26. Weddell, M., West, S., **Farmer, J.**, and Chancellor, C. (2014). 2014 Leisure Research Symposium, Charlotte, NC. Farmers' market consumers in NC and IN: 600 miles but little difference in who is shopping. 2014 Leisure Research Symposium, Charlotte, NC.
27. Weddell, M., West, S., Batista, R.,\* **Farmer, J.**, & Chancellor, C. (2013). The effect of tourism on local farmers markets. 2013 Leisure Research Symposium. Houston, TX. October 8, 2013.
28. **Farmer, J.**, Fischer, B., and Mincey, S. (2013). Sustainability in Monitoring Federal Conservation Easements on Forested Lands. Natural Areas Association, Annual Conference, Chicago, IL. October 2, 2013.
29. **Farmer, J.**, Chancellor, C., and Whitacre, J.\* (2013). Land Trust Volunteerism, Eco-Restoration, and Conservation Easement Adoption. Natural Areas Association, Annual Conference, Chicago, IL. October 4, 2013.

30. Ruseva, T., **Farmer, J.**, & Chancellor, C. (2013). Exploring the relationship between social capital and land protection in rural areas. 2013 Association for Environmental Studies and Sciences. Pittsburgh, PA.
31. **Farmer, J.** (2012). Differences in land use type and motivation to adopt a conservation easement: farmers, timber harvesters, preservationists, and mixed-use landowners. 2012 Eco-Summit. Columbus, OH. <sup>P</sup>
32. **Farmer, J.** (2012). Values for the engagement in local food systems: CSAs vs. farmers' markets vs. non-consumers. 2012 Eco-Summit. Columbus, OH. <sup>P</sup>
33. **Farmer, J.**, Chen, Y.,\* & Chancellor, C. (2012). Disparities in minority representation among farmers' market participants. 140<sup>th</sup> Annual Meeting of the American Public Health Association, 2012. San Francisco, CA. <sup>P</sup>
34. **Farmer, J.**, Chen, Y.,\* & Chancellor, C. (2012). CSA (Community Supported Agriculture / Controlled Segregated Access): The privilege in eating local, organic, and naturally raised foods. 140<sup>th</sup> Annual Meeting of the American Public Health Association, 2012. San Francisco, CA. <sup>P</sup>
35. **Farmer, J.**, Peters, C., & McConnell, T. (2012). Market barriers to the pursuit of organic certification in WV. 6<sup>th</sup> National Small Farm Conference. Memphis, TN.
36. **Farmer, J.**, Chancellor, C., & Robinson, J. (2012). Values for the engagement in Community Supported Agriculture and farmers' markets. 6<sup>th</sup> National Small Farm Conference. Memphis, TN.
37. **Farmer, J.** (2012). Educating for sustainable development, rethinking the notion of education in and for the outdoors. 2012 Coalition for Education in the Outdoors. 11<sup>th</sup> Biennial Meeting. Bradford Woods: Martinsville, IN. <sup>P</sup>
38. **Farmer, J.** (2011). Why buy local: benefits to farmers' markets and CSAs. 2011 Mother Earth News Fair: Pennsylvania Fair.
39. **Farmer, J.** (2011). Marketing your local foods to farmers' market and CSAs. 2011 Mother Earth News Fair: Pennsylvania Fair.
40. Burbery T. & **Farmer, J.** (2011). Hobbits in Appalachia: educating for sustainability where coal is king. Association for the Study of Literature and the Environment Biennial Meeting, Bloomington, IN.
41. **Farmer, J.** (2010). Factors influencing the adoption of conservation easements. Natural Areas Association, Annual Conference, Lake of the Ozarks, MO.
42. **Farmer, J.**, Chancellor, C., & Fischer, B. (2010). The unstructured outdoors vs. environmental education: what influences individuals to preserve land? Coalition for Education in the Outdoors. Martinsville, IN.
43. **Farmer, J.**, Shubowitz, D.,\* Wilk, R., Farmer, S., & Wiley, A. (2010). Assessing local food systems: part 1. Food in Bloom: Cross Pollination and Cultivation of Food Systems, Cultures and Methods. Association for the Study of Food and Society - Agriculture, Food and Human Values Society – Society for Anthropology of Food and Nutrition, Annual Meeting. Bloomington, IN.
44. Knapp, D. & **Farmer, J.** (2009). Long-term impact of a visit to Glacier Bay National Park. National Association for Interpretation, Annual Conference, Hartford, CT.
45. **Farmer, J.**, Chancellor, C., & Fischer, B. (2009). Conservation easement adoption process: motivations, variables, and the decision process. Natural Areas Association, Annual Conference, Vancouver, WA.

46. **Farmer, J.**, Chancellor, C., & Fischer, B. (2008). Significant life experience and the impact of early life outdoor experiences on later life pro-environmental behavior. 2009 North American Association for Environmental Education Annual Conference, Wichita, KS.
47. **Farmer, J.**, Fischer, B., & Chancellor, C. (2008). Motivations for using conservation easements as land protection tools: A qualitative study. International Congress for Conservation Biology. Chattanooga, TN.
48. **Farmer, J.** (2008). Factors influencing staff retention at summer resident camps in southern Indiana. 2008 American Camp Association Annual Conference, Nashville, TN.
49. **Farmer, J.**, Chancellor, C., & Fischer, B. C. (2008). The influences of early outdoor experiences on the use of conservation easements for land protection: A qualitative analysis. 2008 Coalition for Education in the Outdoors, Bradford Woods, Martinsville, IN.
50. Bishop, C. F., Weiser, I., Yoshino, A., Shellman, A., **Farmer, J.**, Hegarty, C. B. (2008). *Outcomes of many voices: Assessing an residential environmental education experience via multiple stakeholders*. 2008 American Camp Association Annual Conference, Nashville, TN.
51. **Farmer, J.** (2008). *Factors influencing staff retention at summer resident camps in southern Indiana*. 2008 American Camp Association Annual Conference, Nashville, TN.
52. **Farmer, J.** & Knapp, D. (2007). A qualitative analysis of the long-term impact of an elementary environmental education field trip on ecological/ environmental knowledge and attitude development, 2007 North American Association for Environmental Education Annual Meeting, Virginia Beach, VA.
53. **Farmer, J.** & Knapp, D. (2007). Sharing their story: impact of interpretation experiences on program participants, 2007 National Association for Interpretation, Wichita, KS.
54. Hegarty, C.B., Shellman, A., **Farmer, J.**, & Ewert, A. (2007). *Establishing a research partnership between camp and gown: The genesis of a strategic alliance with academia*, American Camp Association (ACA) National Conference, Austin, TX. P

#### *Regional/State*

55. White, G. & **Farmer, J.** (2017). Preparing communities for environmental change: Human dimensions research for the Lower Wabash River Landscape Conservation Design. Southeastern Association of Fish and Wildlife Agencies. October 29- November 1, 2017, Louisville, KY.
56. Bruce, A., **Farmer, J.**, and Maynard, E. (2017). High tunnels and their implications for farms. Midwest Organic and Sustainable Education Service (MOSES)- annual meeting. February 23-25, 2017, La Crosse, WI. P
57. Knackmuhs, E.\* and **Farmer, J.** (2016). Managing people to manage urban deer herds. Indiana Park and Recreation Association annual meeting. January, 2016, Bloomington, IN.
58. Knackmuhs, E.,\* **Farmer, J.**, and Reynolds, H. (2014). Restoring urban ecology: ecosystem services, public health, and community engagement. 2014 Urban Health



- Conference “New Dimensions in Urban Health and Action”. April 1, 2014, Indianapolis, IN.
59. **Farmer, J.** & Veldman, M. (2013). Rutabagas, Recreation, and the Farmers’ Market. Indiana Park and Recreation Association, Annual Meeting. Bloomington, IN, January 17, 2013.
  60. **Farmer, J.** & O’Donnell, M. (2010). Developing a sense of place and fostering land conservation. Land Trust Alliance regional meeting, Columbus, OH.
  61. **Farmer, J.**, Fischer, B., & Chancellor, C. (2009). Conservation easement adoption: connecting with conservation easement users. 2009 Land Trust Alliance- Midwest Workshop. Madison, WI.
  62. **Farmer, J.**, Fischer, B., & Chancellor, C. (2007). Motivations for the use of conservation easements as tools for personal land conservation and preservation in Indiana. Indiana Academy of Science, 123<sup>rd</sup> Annual Meeting, Indianapolis, IN.

#### Invited Presentations, Lectures, & Panels

1. Valliant, J. & **Farmer, J.** (2018). The North-Central Region’s “farm link” programs: best practices. SARE Our Farmers Our Future Conference. April 3-5, 2018.<sup>P</sup>
2. **Farmer, J.** (2018). Selling Local: Why Local Food Movements Matter. Keynote address. 3<sup>rd</sup> annual Columbus Food Summit. February 13, 2018.
3. **Farmer, J.** (2018). Human Health and Natural Environments. Keynote for Coalition for Education in the Outdoors. Martinsville, Indiana. January 10, 2018.
4. **Farmer, J.** (2017). Applying Ostrom’s Design Principles to the Stewardship of Quasi-Common Pool Resources: the Case of Conservation Easements. Ostrom Workshop in Political Theory and Policy Analysis, Colloquium, November 27, 2017.
5. **Farmer, J.** (2017). IU Campus Farm- A New Beginning. IU Food Institute. September 21, 2018.
6. Valliant, J., Fund, M. and **Farmer, J.** (2017). Assessment of lessons learned by farmer/rancher linking and matching programs in the Midwest and Plains states: scope, procedure and preliminary observations. National Conference on Farm and Ranch Access, Tenure and Transfer. US Department of Agriculture and Land for Good. Denver, Colorado. June 13-15, 2017.
7. Valliant, J., Fund, M., and **Farmer, J.** (2017). Farmland transfer: designing for future farmers of Indiana. Indiana Small Farm Conference. March 3, 2017<sup>P</sup>
8. Betz, M.,\* Mills, J.,\*\* and **Farmer, J.** (2017). Preliminary overview of community orcharding in the U.S. Indiana Small Farm Conference. March 3, 2017.<sup>P</sup>
9. Bruce, A., **Farmer, J.**, and Maynard, E. (2017). Lessons learned from Indiana high tunnel growers. Indiana Small Farm Conference. March 3, 2017.<sup>P</sup>
10. **Farmer, J.** (2017). Moderator on human migration and sustainability. Symposium on Sustainable Development: Human Migration. Kelley School of Business and School for Global and International Studies. January 20, 2017.
11. **Farmer, J.**, Bruce, A., & Maynard, L. (2017). Problems and opportunities for Indiana high tunnel growers. Indiana Horticulture Congress. January 10, 2017.
12. **Farmer, J.** (2016). Local foods and food security: a collaborative research approach. Webinar for Purdue Univ.: Local Food Lunch Bytes. Monday, November 14, 2016.
13. **Farmer, J.** (2016). Panel discussant on food insecurity. IU Food Summit, November 11, 2016.

14. **Farmer, J.** (2016). Use of local foods to bolster food security. St. Louis University- College of Public Health and Social Justice. Thursday, October 6, 2016.
15. Knackmuhs, E.\* & **Farmer, J.** (2016). Urban deer management at Griffy Lake Nature Preserve: A Human Dimensions Perspective. City of Bloomington Parks Department Board meeting. Tuesday, May 24, 2016.
16. **Farmer, J.** (2016). Food Aggregation Plans in South-Central Indiana. Bloomington Food Policy Council. March 23, 2016.
17. **Farmer, J.** & Ellett, J. (2016). Market Audience Engagement. Farmers' Market Forum (state training forum for market managers). February 19, 2016.
18. Reynolds, H. & **Farmer, J.** (2016). Working with Weeds to Improve Soil Health and Organic Farm Success. Indiana Small Farm Conference, March 3, 2016.
19. **Farmer, J.**, Reynolds, H., & Birtles, T. (2016). Fixing a broken food system: some ideas. January 20, 2016, Science Café & IU Food Project.
20. Fischer, B., Whidney, S., Vogt, J.,\* & **Farmer, J.** (2015). Understanding the co-production of environmental changes through non-profit agency-public collaborations. Nonprofit Management Conference: Advancing the Field(s) of Nonprofit Management: New Structures, New Solutions. April 16-18, 2015.
21. **Farmer, J.** & Valliant, J. (2015). Farming in the future: Diversification that includes family opportunities. 2015 Indiana Small Farm Conference.
22. **Farmer, J.**, Minard, S., Edens, C., Hutchison, M., and Veldman, M. (2015). Understanding the barriers to local food system engagement. 2015 Indiana Small Farm Conference.
23. **Farmer, J.** (2014). Sustainable agriculture talk. 2014 Science Café/Themester: Eat, Drink, Think: Food from Art to Science. September 16, 2014.
24. **Farmer, J.** (2014). What is agritourism all about? 2014 Indiana Alpaca Association Exposition. June 28, 2014. Indianapolis, IN.
25. **Farmer, J.** & Ruseva, T. (2014). Extending the design principles to the study of land trusts and land protection. Workshop on the Workshop 5. Bloomington, Indiana. June 20, 2014.
26. **Farmer, J.** (2014). Understanding the Impact of Farmers' Markets and Local Foods: Practical Strategies for Assessment and Evaluation. 2014 Institute for Sustainable Development. Purdue University – the Ohio State University – University of Tennessee – University of Kentucky – University of Illinois. Tuesday, June 3, 2014. Brown County State Park, Nashville, Indiana.
27. **Farmer, J.** (2014). Panel discussion on sustainable behavior- “Do something personally- do something locally.” 2014 O'Bannon Institute for Community Service. April 25, 2014.
28. **Farmer, J.** (2014). Motivations and Outcomes of the Farmers' Market- Agri-Tourism and Beyond- What Customers are Seeking at the Farm Market. 2014 Indiana Horticulture Congress: Agritourism Preconference Workshop. January 21, 2014.
29. **Farmer, J.** (2013). Local Food Systems and the Commons. Panel Discussion with Amy Roche and Richard Wilk, Vincent and Elinor Ostrom Workshop in Political Theory and Policy Analysis: Community Commons Colloquium. Bloomington, IN. October 25, 2013.
30. **Farmer, J.** (2013). Organics and Healthy Foods. Discussion at Bloomington Project School. Bloomington, IN. May, 14, 2013.

31. Ramos, B. & **Farmer, J.** (2013). Public Health and Recreation: The Unspoken Mission- Past, Present, and Future. Indian Public Health Association Annual Conference. Indianapolis, IN. April 2, 2013.
32. **Farmer, J.** (2013). Selling local: farmers' market consumers, what they want and who they are. Indiana Farmers' Market Boot Camp. Indiana Cooperative Development Center, Inc. February 14, 2013.
33. **Farmer, J.** (2012). Local foods and the problem of privilege. Presentation to the Earlham College community. Hosted by the Center for Environmental Action at Earlham College. November 13, 2012.
34. **Farmer, J.** (2012). Selling local: what, how, and why. Presentation to Delaware North Companies and Eppley Institute for Parks and Public Lands. June, 2012.
35. **Farmer, J.** (2011). The art of interpretation. Cope Environmental Center. Centerville, IN. September, 2011.
36. **Farmer, J.** (2011). From parks to programming, our role in the greening of America. Keynote Address. 5<sup>th</sup> Annual Ohio Recreation Conference. Ohio University, Athens, OH. April, 2011.
37. **Farmer, J.** (2011). Buying habits of farmers' market customers. 2011 West Virginia Small Farms Conference. West Virginia University, Morgantown, West Virginia. February, 2011.
38. **Farmer, J.** (2011). From asparagus to apples: perspectives on local food systems participation. 2011 West Virginia Small Farms Conference. West Virginia University, Morgantown, West Virginia. February, 2011.
39. **Farmer, J.** with Talbot, C. (2010). Local food systems in West Virginia. Yeager Lecture Series on Sustainable Foods. Marshall University, Huntington, WV. November, 2010.
40. **Farmer, J.** (2010). From asparagus to apples: local food systems in the tri-state area. Tri-State Farm and Food Conference. Huntington, WV. November, 2010.
41. **Farmer, J.** (2010). From asparagus to apples: local food systems in Indiana. Indiana University, Themester on Sustainability. October, 2010.
42. **Farmer, J.** (2010). Environmental behavior and long-term impact of significant life experiences. Huntington, WV. April, 2010
43. Mak, J., **Farmer, J.**, & Abel, R. (2009). Bridging the practitioner academy divide: how stakeholders can work together. West Virginia Recreation and Park Association state meeting. Charleston, WV. November, 2009.
44. **Farmer, J.** (2009). Campus sustainability panel. Power Shift 2009. Appalachian Regional Conference. Huntington, WV. September, 2009.
45. **Farmer, J.** & Fischer, B.C. (2007). Understanding conservation easements users. Presentation to the Indiana Land Protection Alliance. Ft. Benjamin Harrison State Park, Indianapolis, IN. September, 2007.
46. **Farmer, J.** & Strevel, C. (2006). *Promoting Staff Retention*, American Camp Association (ACA) National Conference, Chicago, IL.

#### Professional Development (attendance)

1. EPA Sustainable Cities Training, Chicago, IL, October 17-18, 2016
2. OVPR Proposal Development for NIH & NSF Workshop, January 17, 2014
3. Indiana Small Farms Conference, Danville, IN, March 1, 2013

4. National Science Foundation Day hosted by Indiana University-Purdue University Indianapolis, Indianapolis, IN, February 4, 2013.
5. Workshop in Political Theory and Policy Analysis, participate in workshop colloquium meetings, monthly.
6. Sawyer Series on Food Choice, participate in series meetings, monthly.

#### Research & Translational Consultation

1. City of Linton, IN. Using local foods to bolster food security: Enhancing the farmers' market. Mallory Rickbeil & Mark Stacey. March 29, 2016
2. Ballard, R. Purdue Extension. Pasture Poultry Initiative. Instrument development for consumer survey. Spring 2016.
3. Ballard, R. Hoosier Hills Market. Evaluation of food hub participants (consumers and producers). June, 2014.
4. City of Fairfield, OH and Eppley Institute for Parks and Public Lands. A comparison of social policy formulations and research utilized in community health planning with social policy formulation and research in community park and recreation master planning. April-December, 2014.
5. City of Richmond, IN. (Joint research between Earlham College and the City of Richmond, IN). Redeveloping the farmers' market. February-May, 2014.
6. Weddell, Melissa. (Appalachian State University). Consumer demand and preference in local foods of central Appalachia. May, 2012.
7. Ruseva, Tatyana. (Appalachian State University). Private land conservation and social capital in western North Carolina. February, 2012.
8. Drescher, Michael. (University of Waterloo). Private land conservation and phenomenological research in southern Ontario. November, 2011/February, 2012.
9. Robinson, Jennifer. (Indiana Univ.). Indiana Farm School. December, 2011.
10. Kale, Tom. Western Ohio small-scale sustainable farmer. Community Supported Agriculture program development. November, 2011.
11. Freedmon, Marjorie (San Jose State University). Community Supported Agriculture Survey. October, 2011.
12. Williams, WV. Local foods initiative. March, 2011.

#### News Interviews & Research Project Coverage

1. Green, L. (2017). Midwest farms lag in crop diversity: IU researchers find multigenerational operations do better. *The Journal Gazette*, October 22, 2018. <http://www.journalgazette.net/business/20171022/midwest-farms-lag-in-crop-diversity>
2. Carlton, K. (2015). This IU professor wants to help Indiana farmers extend their growing season. *Herald Times*, November 24, 2015. [http://www.heraldtimesonline.com/news/schools/iu-researcher-gets-grant-to-study-lengthening-growing-season-for/article\\_142cb246-3d6c-5df4-857b-f14597901e83.html](http://www.heraldtimesonline.com/news/schools/iu-researcher-gets-grant-to-study-lengthening-growing-season-for/article_142cb246-3d6c-5df4-857b-f14597901e83.html)
3. Clifford, S. (2014). DNR considers former Camp Belmont's future: IU recreation students make proposals as class project for Girl Scouts' 282 acres of forest. Wednesday, May 14, 2014, *Brown County Democrat*.

4. Scully, T. (2014). Considerations for Going Organic. *Growing: The Business of Fruits, Nuts, and Vegetables*. <http://www.growingmagazine.com/article-10754.aspx>
5. Clifford, S. (2014). New life for Camp Belmont? IU students study uses for site. Wednesday, February 26, 2014. *Brown County Democrat*.
6. Hyzy, A. (2014). Sustainability office fellowship applications open. Wednesday, February 5, 2014. <https://www.idsnews.com/news/story.aspx?id=96411>
7. Bechman, A. (2014). Farmers markets: What do buyers want? AgriNews, Saturday, January 25, 2014. [http://www.agrinews-pubs.com/business/farmers-markets-what-do-buyers-want/article\\_8c30a64d-b79b-5fe6-b40c-974ec3e2bda7.html](http://www.agrinews-pubs.com/business/farmers-markets-what-do-buyers-want/article_8c30a64d-b79b-5fe6-b40c-974ec3e2bda7.html)
8. WVPR. (2013). Barriers to organic farming in West Virginia <http://www.wvpubcast.org/newsarticle.aspx?id=30943>
9. Zhang, A. (2012). Study: Farmers' markets inaccessible to low income households. <http://indianapublicmedia.org/news/study-farmers-markets-inaccessable-income-households-39001/>
10. Albrecht, K. (2011, June 13). Local foods and public participation. *Dr. Katherine Albrecht Radio Show*. <http://www.katherinealbrecht.com/search/?q=james+farmer>
11. Oxley, C. (2011, January 21). Professor conducts research on local food systems. *The Parthenon*. Online link: <http://www.marshallparthenon.com/news/professor-conducts-research-on-local-food-systems-1.2436930>.
12. Hendricks, B. (2010, November 12). Local food promoted at event. *Herald-Dispatch*. Online link: <http://www.herald-dispatch.com/news/x190667848/Local-food-promoted-at-event?i=0>
13. Clark, L. (2010, October 28). Class allows students to explore outdoors. *The Parthenon*. Online link: <http://www.marshallparthenon.com/news/class-allows-students-to-explore-outdoors-1.2385412>
14. Clark, L. (2010, September 27). Natural Resources and Recreation Management changes colleges. *The Parthenon*. Online link: <http://www.marshallparthenon.com/natural-resources-and-recreation-management-changes-colleges-1.2344878>
15. Hainkel, K. (2010, February 19). W.Va. looks to protect land from developers. *The Parthenon*. Online link: <http://www.marshallparthenon.com/news/w-va-looks-to-protect-land-from-developers-1.2161006>
16. Wilcox, L. (2009, October 21). Recreation and park resources majors head outdoors to raise awareness of program. *Herald-Dispatch*. <http://www.herald-dispatch.com/news/x1536730692/Recreation-and-park-resources-majors-head-outdoors-to-raise-awareness-of-program?i=0>
17. Jones, B. (2009, October 16). Parks and recreation lends helping hand to environment. *The Parthenon*. Online link: <http://www.marshallparthenon.com/news/parks-and-recreation-lends-helping-hand-to-environment-1.2001398>
18. Glass, D. (2007, April 16). Feeling sick, away from home. *A Moment of Science, Indiana Public Radio*.

## **TEACHING: EXPERIENCE, CURRICULUM DEVELOPMENT, & ADVISEMENT**

### Teaching Experience

#### *Indiana University (2012-Present)*

- Doc Seminar: Env. Behavior and Justice (R791) (1x)
  - Special topics doc seminar taught under readings listing
  - Course provides in depth review of scholarship in environmental behavior and justice as it pertains to public health.
- Research Seminar (R692) (1x)
  - Weekly seminar/colloquium for departmental masters and doctoral students.
- Ecosystem Management (O310) (1x)
  - This course covers the general concepts of ecosystem management as they apply to eastern-deciduous hardwood forests.
- Readings in Recreation: Community Sustainability through Recreation Systems (R693- Ind. Readings)
  - Independent readings course with graduate student on the role recreation and leisure services play on community sustainability.
- Readings in Recreation: Private Land Conservation (R693- Ind. Readings)
  - Independent readings course with graduate student on models for private land conservation.
- Readings in Recreation: Urban Design and Ecology (R693- Ind. Readings)
  - Independent readings course with graduate student on urban development and sustainability.
- Integrated Resource Management (O305) (2x)
  - This course will use an interdisciplinary and social-ecological systems approach to the study of basic resource concepts, integrated management consideration, planning, and practices for parks, nature preserves, and natural areas. Special focus will be of stewardship of native species and biodiversity through the management of invasive and nuisance species, timber management, and sustainable recreation resources.
- Great Smoky Mountains Field Course (O318) (2x)
  - This course is designed to convey the political ecology, ecosystem management, and visitor management in relation to the National Park Service- using the Great Smoky Mountains National Park as the learning context.
- Applications in Outdoor Recreation, Parks, and Human Ecology (O413) (3x)
  - This course is designed to provide a capstone experience for the student relative to the dimensions of human ecology commonly associated with aspects of outdoor recreation and park management. This course will provide a forum for intensive study culminating in discussion, presentation, and is describing some aspect of outdoor recreation and park management within a human ecology paradigm.
- Human Health and Natural Environments (O410 and O360) (3x)
  - Numerous textbooks address the relationship between human health and natural environments from either the perspectives of toxicity or environmental degradation. This course, on the other hand, approaches the

- issues of human health and quality of life from a broader context that also includes the perspective of interaction with the natural environment.
- Human Health, Quality of Life, and Natural Environments (O510) (1x)
  - Numerous textbooks address the relationship between human health and natural environments from either the perspectives of toxicity or environmental degradation. This course, on the other hand, approaches the issues of human health and quality of life from a broader context that also includes the perspective of interaction with the natural environment.
- Independent Study (R492) (1x)
  - This course focused on research methods and included an actual qualitative study conducted by an undergraduate scholar on the long-term impact of attending a residential summer camp.
- Data-based Decision Making (R314/R395) (2x)
  - This course provides an overview of the processes of research and evaluation as encountered in leisure services. The goal of this course is development of inquiry skills useful for planning and managing leisure program services.
- Master's Capstone, Sustainability of Lake Associations, team taught with Drs. Burnell Fischer and Sarah Mincey (SPEA V600) (1x)
  - Capstone working with Hubbard County Coalition of Lake Associations.
- Interpretation and Tour Guiding (R372) (1x)
  - Course is designed to introduce students to interpretation and how interpretation is used for tour guiding. Students will explore the tenets and principles from various fields of study that encompass the body of knowledge utilized in the interpretation/tour guiding profession.
- Master's Capstone, A Review of the USDA Forest Service's Forest Legacy Program (FLP). Team taught with Dr. Burnell Fischer and Sarah Mincey, MS (SPEA V600) (1x)
  - Capstone working with USDA Forest Service to evaluate the sustainability of monitoring Forest Legacy Program easements.

*Earlham College (2011-2012)*

- Environmental Studies Colloquium, team taught with Dr. Cynthia Fadem Geology (ENPR 280)
- Environmental Studies, Independent Studies: Developing a curriculum for the natural areas of Wabikimi Provincial Park (ENPR 385)
- Introduction to Outdoor Education (ENPR 210)
- Senior Field Experience (ENPR 488)
  - Megan Grandfield, Local Food System Research
  - Ben Smith, Local Foods Experience

*Marshall University (2009-2011)*

- Sustainability Issues in WV & KY; team taught with Dr. Tim Burbery, English (PLS 480 / ENG 482)
- Natural History (PLS 231/331)
- Outdoor Recreation (PLS 301)

- Environmental Interpretation (PLS 310/430)
- Research and Assessment in NRRM (PLS 402)
- Park Operations and Management (PLS 230)
- Construction of Trail Systems (PLS 452)
- Recreation Programming and Activities (PLS 201)
- Outdoor Leadership: Backpacking (PLS 110)
- Independent Study: (PLS 485, 486, 487)
  - 12 credit hour internship
  - Research in Farmer Participation in the Putnam Cty. Farmers' Market
  - Plant and Mammal Taxonomy of West Virginia
  - Research in Local Food Systems
  - Research in Marketing of Local Food Systems
  - Camp Administration and Leadership
  - Practicum in Natural Resources and Recreation Management

*Indiana University (2006-2009, as a graduate student)*

- Natural History / Field Ecology (R280)
- Dynamics of Outdoor Recreation (R271)
- Event Planning and Program Development (R367)
- Outdoor Leadership: Backpacking (R110)
- Outdoor Leadership: Leave No Trace (R110)
- Outdoor Leadership: Snowshoeing (R110)

Post-Doc and Student Advisement

*Student Awards, Grants, and Honors*

1. IU Office of Sustainability Research Development Grant, 2017. Swapna, J., Chiplunkar, S., Burgess, A., Stavrianakis, K. and V-Bloom: A real-time interactive vegetable-phenology system for public and community awareness, engagement, and participation. (\$10,000 unfunded).
2. IU Office of Sustainability Research Development Grant, 2017. Stavrianakis, K. The Contributions of Community Gardens to City Sustainability: Changing Behavior via Family Interventions. (\$5,730 funded)
3. National Recreation and Park Association. Winner of Best Student Paper. 2016. Knackmuhs, E. Trust, Conservation, and Communication: Challenges of Lethal Deer Management. *Received.*
4. Eppley Scholarship. Schmutte, A. Dept. of Recreation, Park, and Tourism Studies. 2016. *Received.*
5. IU Office of Sustainability Research Development Grant, 2016. Mills, J. Case study of immigrant urban farmers in Ft. Wayne and Louisville. (\$2,979 funded)
6. Leisure Research Institute. Grant, 2016. Knackmuhs, E. Leisure Research Institute. Grant, 2016. Dissertation project- 2 part case study of narrative policy framework and interpretation site effects. (\$1,000 funded).
7. Sustainability Research Dev. Grant, 2014. Knackmuhs, E. Understanding the Impact of Deer Mgmt. in Nature Preserves on both Humans and Flora. (\$7,000 funded)
8. American Fulbright Student Award. Endlich, R. 2014. York University.



*Postdoctoral, Research Fellow, & Research Scientist Supervisory/Mentorship Experience*

1. Stacey Giroux, Ph.D., Associate Research Scientist, 7/1/2018-present
2. Angela Babb, Ph.D., Post-Doctoral Scholar, 7/1/2018-present
3. Analena Bruce, Ph.D., Post-Doctoral Scholar, 6/1/2016-present
4. Julia Valliant, Ph.D., Post-Doctoral Scholar, 8/1/2014-present (part-time since 2015)

*Dissertations*

1. Betz, M. (Indiana University, Geography, Dissertation). *Community orchards: what is community?* 2016-present. Committee member.
2. Forist, B. (Indiana University, Dept. of Recreation, Park, and Tourism Studies, Dissertation). *Effectiveness of Informal Two-Way Interpretation in National Parks. 2015-2018.* Committee member.
3. Whitacre, J. (Indiana University, RPTS, Doctoral Dissertation). *Use of technology to enhance skier safety.* 2014-2018. Committee member.
4. Babb, A. (Indiana University, Geography, Dissertation). *Making Neoliberal Consumer Subjects: A Political Ecology of Nutrition Assistance in the U.S.* 2016-2018. Committee member.
5. Knackmuhs, E. (Indiana University, Dept. of Recreation, Park, and Tourism Studies, Dissertation). *Values, Narratives, and the Onsite Experience at Heritage Sites. 2015-2017.* Committee member.
6. Ireland, E. (Indiana University, Anthropology, Dissertation). *Changes in carpe consumption along the Mississippi River.* 2015-2017. Committee member.
7. Savener, A. (Indiana University, Geography, Dissertation). *Tourist Moments of Heideggerian Existential Authenticity; Finding Themselves in Guna Yala, Panamá.* 2015-2016. Committee member.
8. Alexeichik, L. (Indiana University, RPTS, Doctoral Dissertation). *Towards mutual respect and understanding: exploring areas of learning and long-term impacts of participation within a cultural experiential learning environment.* 2014-2016. Committee member.
9. Smedley, B. (Indiana University, EDUC, Doctoral Dissertation). *Negotiating Language and Cultural Identity in Southern Thailand's Ongoing Conflict.* 2013-2014. Committee member.
10. Vernon, F. (Indiana University, RPTS, Doctoral Dissertation). *The Unity Project: An Ethnography of Public and Experiential Education, and Democracy as a Way of Life.* 2013-2014. Committee member.

*Theses/Projects*

1. Frawley, D. (Indiana University, RPTS, Masters Project). *The Assets Within Glacial Edge.* 2017-present. Chair.
2. Hughes, K. (Indiana University, RPTS, Masters Project). *The Fairmont Park Trolley Trail Signage and Wayfinding System: Tracing a Historic Past.* 2016-2018. Chair.
3. Danch, S. (Indiana University, RPTS, Masters Project). *Land stewardship planning for small-scale sustainable agriculture.* 2016-2017. Chair.
4. Zhao, H. (Indiana University, RPTS, Thesis). *Climate change and travel destination decision-making.* 2016-2017. Committee member.

5. Staley, M. (Indiana University, RPTS, Masters Thesis). *Extended effects of participation in a semester-long outdoor leadership training*. 2014-2016. Committee member.
6. Bogdon, Z. (University of Waterloo, School of Planning, Dissertation). *Investigating the role of significant life history experiences in developing connectedness-with-nature*. 2015-2016. Committee member.
7. Kim, Y. (Indiana University, RPTS, Masters Thesis). *Potential for utilizing national trust movement to preserve tourism resources: A case study of the US and Japan*. 2012-2013. Committee Chairperson.

#### *Doctoral Student Advisees/Prescription/Exam Committees*

1. Bess, J. (Spring 2017-present). Major Co-Advisor, Geography.
2. Stavrianakis, K. (Spring 2017-present). Major Advisor, RPTS.
3. Babb, A. (Spring, 2015-Spring, 2016). Exam Committee, Geography.
4. Knackmuhs, E. (Spring, 2014-Summer, 2015). Prescription/Exam Committee. RPTS.
5. Alexiechik, L. (Spring, 2013- Fall, 2014). Prescription/Exam Committee. RPTS.
6. Forist, B. (Spring, 2013- Fall, 2014). Prescription/Exam Committee. RPTS.
7. Whitacre, J. (Spring, 2013- Fall, 2013). Prescription/Exam Committee. RPTS.

#### *Masters Student Advisees*

1. Wilson, C. (Spring, 2017-present). Major Advisor. M.S. Parks and Public Lands major.
2. Frawley, D. (Spring, 2017-present). Major Advisor. M.S. Parks and Public Lands major.
3. Hughes, K. (Fall, 2016-present). Major Advisor. M.S. Parks and Public Lands major.
4. Danch, S. (Fall, 2016-present). Major Advisor. M.S. Outdoor Recreation major.
5. Kao, T. (Fall, 2015-2017). Major Advisor. M.S. Outdoor Recreation major.
6. Grimes, J. (Fall, 2014- Spring, 2015- switched advisor). Major Advisor. M.S. Outdoor Recreation major.
7. Alton, B. (Fall, 2013- Fall, 2015- graduated). Major Advisor. M.S. Outdoor Recreation major.
8. Mackey, D. (Fall, 2013- Spring, 2015- graduated). Major Advisor. M.S. Outdoor Recreation major.

#### *Graduate Student Research Collaboration/Mentorship/Advisement*

1. Minard, S. (Indiana University, Dept. of Anthropology). *Community food systems: farmers' markets and SNAP benefits*. 2014-2016.
2. Babb, A. (Indiana University, Dept. of Geography). *Community food systems: farmers' markets and SNAP benefits*. 2015-2016.
3. Betz, M. (Indiana University, Dept. of Geography). *Evaluation of the re-emergent commons: community orchards across the United States*. 2015-2016.
4. Watts, B. (Marshall University, Dept. of Environmental Science). *Natural Gas Solves Energy Woes: An Industry Thriving on Shaky Ground*. 2014.
5. Knackmuhs, E. *Sustainability Research Development Grant, 2014, Understanding the Impact of Deer Management in Nature Preserves on both Humans and Flora*.

6. Hines, R. and Knackmuhs, E. (Indiana University, Dept. of Recreation, Park, and Tourism Studies). Paddle Georgia: Environmental Education and Water Resource Advocacy.
7. McDonnell, E. and Lebrato, M. (Indiana University, Dept. of Anthropology). Risk mitigation for climate change among local farmers.
8. Hopkins, S. (Indiana University, School of Public and Environmental Affairs, Masters Student). Governing philosophies for community forest organizations.
9. Danko-Day, S. (Chatham University, masters student). Motivations and Food Values of Pennsylvania Local Food Participants. September, 2011.
10. Oliver, M. (West Virginia University, doctoral student). An Evaluation of West Virginia's Non-Industrial Private Forestland Owner Participation in Conservation. October, 2010.
11. Brewer, T. (Marshall University, masters student). Restoring chestnuts to the central Appalachian landscape. National Science Foundation proposal. November, 2010.
12. Bryant, A., Assessing local food systems in Indiana (Indiana University, Dept. of Anthropology)
13. Shubowitz, S. Assessing local food systems in Indiana (Indiana University, Dept. of Anthropology)
14. Minard, S. Assessing local food systems in Indiana (Indiana University, Dept. of Anthropology)

*Undergraduate Student Research Advisement/Participation*

1. Snider, C. (Indiana University). Impacts of a Southern Indiana Summer Camp: Adult Reflections on Childhood Experiences.
2. Mills, J. (Indiana University). Case study of Burmese refugee farmers in Indianapolis, IN.
3. Woodcock, N. (Indiana University), Masur, B. (Indiana University), Swan, B. (Indiana University), and Sentell, S. (Indiana University). Infusion or Assimilation: Barriers to the Integration of Local Food Systems Across the Community.
4. Castle, K. (Indiana University) and Ballard-Bonfido, I. (Indiana University). Collaboration between land trusts and sustainable farmers.
5. Cohoe, K. (Earlham College) and Wood-Brinker, S. (Earlham College). Herbivory effects of Saanen goats on Tree of Heaven.
6. Swift, N. (Earlham College), Grandfield, M. (Earlham College), Cohoe, K. (Earlham College), and Brown, A. (Earlham College), Market variables for farmers in local food systems: whether or not a demand for USDA organics exists in WV.
7. Lovejoy, C. Evaluating marketing needs of local farmers' participating in the Putnam County Farmers Market (Marshall University).
8. Steffy, C. Applied ethnography of farmers market and community supported agriculture participation and marketing approaches (Marshall University).
9. Undergraduate student research collaboration with 21 students at Marshall University on class research project.

## Curriculum Development

### *Indiana University*

*2012-Present*

- Co-development of SPH R 350: Food Systems and Community Resilience. Guidance and assistance provided to Post Doc Analena Bruce in the development of this new, special topics course.
- Sustainable Cities Initiative with IU Office of Sustainability and Office of the Vice Provost for Undergraduate Education. 2016-present. Faculty Liaison for project.
- Curriculum committee for B.A. in Environmental and Sustainability Studies. Member of the sub-committee working to revise the sustainable food systems track of the major. 2014-present.
- Development & Revision of Human Dimensions of Global Change Ph.D. minor w/ Eduardo Brondizio (Anthropology) convening. 2015-2016.
- Revision of Outdoor Recreation, Parks, and Human Ecology major. 2015.
- Development- Semester in the Environment. Undergraduate blocked core curriculum program for undergraduate major in Outdoor Recreation, Parks, and Human Ecology. (Fall 2014- initial offering)
- Farmer, J., Bauer, J., Vernon, F., and Change, Y. (2014). Collaborative Service Learning Partnership Between the City of Bloomington and R314- Data-based Decision Making: Assessing the Impact of the B-Line Trail.
- Serving on committee developing Food Studies Certificate, convened by Professor Carl Ipsen, History, Fall 2012-Present.
- Serving on IU Office of Sustainability Academic Initiatives Working Group, Fall 2012-Present.
- Development- Fundamentals of Sustainable Agriculture- O-343 (3 cr.).
- Course Supervisor- R395/R314: Data-based Decision Making.
- Re-developed R395: Data-based Decision Making to include intensive experiential learning framework through embedded service learning experience, Spring 2013.
- Re-developed R372: Interpretation and Tour Guiding to include extensive service learning project with the Sycamore Land Trust, Fall 2012.

### *Earlham College*

*2011-2012*

- Developed a funded Pedagogical Incubator proposal for the first-year-experience at Earlham College, entitled: The Environmental Semester
- Developed 3 courses for Environmental Studies major:
  - Sustainable Agriculture
  - Outdoor Education: Environmental Interpretation and Education
  - Environmental Studies Colloquium: Local Food Systems

### *Marshall University*

*2009-2011*

- Directed the revision of the Natural Resources and Recreation Management curriculum, major, and minor
- Internship supervisor for Natural Resources and Recreation Management majors
- Developed Natural Resources and Recreation Management four year assessment plan for curriculum

- Developed 6 new courses for revised Natural Resources and Recreation Management curriculum:
  - Hobbits in Appalachia: Sustainability Issues in WV & KY
  - Environment and People: Issues and Solutions
  - Environmental Education
  - Wilderness and Protected Area Management
  - Sustainable Tourism
  - Ecotourism: Management and Administration

#### Guest Lectures

- SPEA- E528: Forest Ecology & Management. *Human Dimensions of Private Land Conservation*. 11/29/2017.
- ANTH- E621: Food & Culture. *Serious Leisure and Local Food Systems*. 4/4/2017
- SPH- O360: Human Health & Natural Environments. *Sustainable Food Systems and Health*. 2/2/2017
- SPEA- E460: Fisheries & Wildlife Management. *Human Dynamics of Urban Deer Management in Bloomington, IN*. 9/25/2016
- SPH- R142: Living Well. *Human Health and the Environment*. 9/12/16
- SPEA- E460: Fisheries & Wildlife Management. *Human Dynamics of Urban Deer Management in Bloomington, IN*. 9/22/2015
- SPH- R645: Research Seminar. *Developing a research agenda*. 3/7/14
- SPH- T301: Sustainable Tourism. *Tourism in a Troubled Land: West Virginia*. 10/14/13
- SPH- R430: Sustainable Tourism. *Two Peas: Sustainable Agriculture and Local Food Systems*. 2/19/13
- SPH- T142: Living Well. *Living local through food systems*. 10/13/12
- SPH- R645: Research Seminar. *Developing a research agenda*.

#### Teaching Presentations/Workshops Delivered

- Sipes, S. and **Farmer, J.** (2016). Co-Developed and presented CITL workshop on teaching with case studies. June 28, 2016.
- Burbery T. & **Farmer, J.** (2011). Hobbits in Appalachia: educating for sustainability where coal is king. Association for the Study of Literature and the Environment Biennial Meeting, Bloomington, IN.
- Roberts, J., Schroeder, D., **Farmer, J.**, Deibel, M., Jackson, M. (2011). Beyond the Ivory Tower: Connecting Academics to the Local Community. Earlham College: Teaching and Learning Symposium. October, 2011.

## **SERVICE**

### Administration

#### *Indiana University*

2015-2018

- Academic Major Coordinator for B.S. / M.S. Outdoor Recreation, Parks, and Human Ecology / M.S. Parks and Public Lands major
  - Oversee B.S. in Outdoor Recreation, Parks, and Human Ecology
  - Oversee MS in Parks and Public Lands
  - Oversee M.S. in Outdoor Recreation
  - Led curriculum review and revision that included: alumni survey, course content evaluation, senior exit interviews, comparison to similar non-IU programs, and evaluation of current professional position requirements.
  - Advise students on coursework for major and minor
  - Schedule program courses and instructors
  - Mentor and review adjunct instructors
  - Review of CORE program.
  - Manage instructors for online M.S. in Parks and Public Lands
  - Liaison for RPTS and SPH to BAESS and IPE

#### *Earlham College*

2011-2012

- Outdoor Education Minor, supervisor
- Administer \$350,000 grant from the Andrew Mellon Foundation to further environmental and sustainability efforts in the curriculum and co-curriculum
- Curriculum development for newly formed Environmental Studies major
- Coordinate co-curricular campus events and activities focused on the environment
- Administer student and faculty environmental grants program
- Coordinate summer pre-orientation wilderness experiences for first-year students
- Adviser of Miller Farm, Sustainable Agriculture Living and Learning Cooperative
- Supervise Outdoor Education Center and climbing wall student employees
- Developed and fostered community partnerships and projects with the following agencies:
  - City of Richmond
  - Cope Environmental Center
  - Hayes Regional Arboretum
  - Richmond Friends School
  - Richmond Farmers' Market

#### *Marshall University*

2009-2011

- Coordinator for Natural Resources and Recreation Management Program
- Co-chair in development environmental studies curriculum in cooperation with interdisciplinary cohort of Marshall University faculty including biology, environmental science, anthropology, journalism, English, geography, chemistry, engineering, and business management

- Facilitated the movement of Natural Resources and Recreation Management Program to the College of Science and into the Department of Integrated Sciences and Technology from the College of Education and Human Services/School of Kinesiology
- Integrated revised Natural Resources and Recreation Management curriculum with that of the Dept. of Integrated Sciences and Technology and core requirements for College of Science
- Developed and/or fostered partnerships with local organizations to promote collaboration for education, research, and outreach, including:
  - Morris Creek Watershed Association
  - West Virginia Division of Natural Resources
  - Yellow Goat Farm
  - Huntington Museum of Art
  - West Virginia Land Trust
  - Kellogg Elementary School
- Responsible for recruitment of majors (increased by 41% in 12 mos.)
- Search chair for visiting faculty position for 2010-2011 academic year
- Search chair for tenure-line faculty position in Natural Resources and Recreation Management
- Responsible for recruitment, evaluation, & mentorship of adjunct faculty
- Developed annual assessment protocol for Natural Resources and Recreation Management degree majors
- Responsible for Natural Resources and Recreation Management program reports to Marshall University Board of Governors

Professional Service & Membership

*Translational Service*

Farmers' Market Forum	2015-2016
- Collaborate with the Indiana Cooperative Development Center, Farm Bureau, Indiana State Department of Agriculture, the Indiana Farmers' Market Association, and Purdue Extension in the development and facilitation of farmers' market training sessions for Indiana farmers selling locally.	
IN Horticulture Congress	2013-present
• Committee member for Agritourism	
IN SARE Advisory Committee	2015-present
• Food Security and Urban Agriculture Sub-Committee	
IN Small Farm Conference Advisory Committee	2016-present
• Poster session co-chair	
Locally Grown Working Group, Indiana state-wide committee	2012-2013
• Board member	

*National Association Membership/Board Service*

Appalachian Studies Association	2012-present
Association for Environmental Studies and Science	2011-present
Eppley Institute for Parks and Public Lands	2015-present

- National Advisory Board 2016-present
- Natural Areas Association, member 2010-present
- Board of Directors 2016-present
- Conference Chair- 2018 in Bloomington, IN 2016-present

*Reviewer/Conference Moderator*

- CTSI- Community Health Engagement Program (grant program) 2013
- Forests, Journal* 2015-present
- International Journal of the Commons* 2015-present
- Journal of Agriculture, Food Systems, and Community Development* 2011-present
- Journal of Environmental Management* 2014-present
- Journal of Hunger and Environmental Nutrition* 2014-present
- Journal of Interpretation Research* 2007-2011
- Journal of Mixed Methods Research* 2008-present
- Journal of Rural Studies* 2016-present
- Land Use Policy* 2014-present
- Leisure Sciences* 2016-present
- Natural Areas Journal* 2010-present
- Associate editor- Conservation Planning and Policy 2011-present
- National Recreation and Park Association
- Session Moderator at National Meeting 2016
- Review Coordinator of *Conservation* Presentation 2017-present
- Proposals for 2017 National Research Sessions
- North American Association for Environmental Education 2006-2009
- Parks, Recreation, and Public Health, Journal* 2016-present
- Editorial board member, founding member
- Rural Society, Journal* 2016-present
- SCHOLE* 2011-present
- Society and Natural Resources: An International Journal* 2009-present
- Suburban Sustainability, Journal* 2013-present
- Sustainability, Journal* 2014-present

Institutional Service

*Indiana University*

- University Level*
- Bloomington Faculty Council- Campus Sustainability Adv. Board 2016-present
- Campus Garden 2014-present
- Volunteer
- Leadership Team
- Carey Fowler Lecture and Visit 2016
- Proposal and steering committee member
- Host for meetings with students and faculty with Dr. Fowler
- Collins Living and Learning Center 2016-present
- Elisa Bradley Award 2017-2018
- Ernest Bernhardt-Kabisch Awards 2017-2018



• Freshman Awards	2017
• Patricia Templeton Patrick Awards	2017
• Retention Award Review of Applications	2016
• Service Award	2017
IU Campus Farm	2016-present
• PI on Innovation Fund grant proposal	
• Co-director	
IU Food Institute	2017-present
• Advisory Board	
IU Real Food Challenge	2016
• Co-organizer of kickoff event	
IU Office of Sustainability	2012-present
• Edible Campus Steering Committee	2013-2014
• Co-Chair	2013-2014
• Academic Initiatives Sub Committee Co-Chair	2013-2014
• Food Studies Certificate, Committee	2012-2014
• Education & Research Working Group	2012-2014
• Food Working Group- co-chair	2017
• Sustainability Course Development Fellowship Committee	2016-present
• Sustainability Intern Hiring Committee	2013-present
• Sustainability Research Grant Committee	2013-present
IU Research and Teaching Preserve	2013-present
• Executive Committee	
• Indiana Master Natural Instructor, 2015 & 2016	
Integrated Program in the Environment, Advisory Committee	
• Advisory Committee	2013-present
• Faculty Affiliate	2013-present
• BAESS curriculum committee	2014-present
Mini-University, presenter,	2009, 13, & 18
Conservation, Outdoor Recreation, and Environmental Education LLC	2016-present
• Director	
THEMESTER on Food	2012-2014
Workshop in Political Theory and Policy Analysis	2013-2014
• Mini Conference Presenter/Reviewer	
• Ostrom Faculty and Graduate Student Research Award	2017
• Selection Committee	
 <i>School of Public Health-Bloomington</i>	
Academic Council, RPTS Representative	2014-2017
• Standing Committee Appointment Ad-Hoc	2016
Academic Fairness Committee (Ad Hoc), RPTS Representative	2016
Senior Outstanding Research Award- Committee Member	2016
Committee on Research and Creative Activity	2013-2015
• Committee Co-Chair	2014-2015

Faculty Search Committees,	
• Dept. of Environmental Health	2013-2014
• Dept. of Epidemiology and Biostatistics	2013
Teaching and Learning Assessment Comm.	2012
Graduate Student Advisory Council	2006-2008
<i>Department of Recreation, Park, and Tourism Studies</i>	
Capital Campaign Development with Stan Hemphill (2/25/13)	2013
Curriculum: Integrated Core Committee Service	2017-present
Departmental Student Recruitment	2013-present
Departmental Scholarship Committees	
• John Andrew Jarbow Memorial Scholarship	2014-2018
• Ruth V. Russell Humanitarian Scholarship	2014-2015
• Bradford Woods Outdoor Center Research Scholarship Committee	2013
Doctoral Revision Work	2015-present
• Convened designing of research lab model for RPTS	
Faculty-Faculty Mentorship: Dr. Karo Omodior	2017-present
Leisure Research Institute, grant reviewer	2016-2017
MPH Recreation, Parks, and Tourism Task Force (8/23/13)	2013-2014
Presentation in HPER R150 (1/15/2013)	2013
Presentation at "Explore Your Option" (2/25/13)	2013
References Provided: Letters/Forms Completed- 126 total	2012-present
Faculty Search Committees	
• Tenure Track Search Committee- Recreation Therapy- Member	2018-present
• Departmental Chair Search Committee- Member	2015-2017
• Tenure Track Search Committee- Member	2016-2017
• Lecturer in ORPHE- Chair	2015
Strategic Planning Sub Committee- Center/Institute	2017-present
<i>Earlham College</i>	
Earlham Environmental Responsibility Committee	2011-2012
Environmental Studies Advisory Board	2011-2012
Miller Farm, Adviser	2011-2012
Outdoor Recreation Club, Adviser	2011-2012
<i>Marshall University</i>	
Dept. of IST Leadership Team	2010-2011
Dept. of IST Tenure and Promotion Committee	2010-2011
Dept. of IST Undergraduate Research Support Committee	2010-2011
Environmental Studies Development Committee, chair	2010-2011
GIS Sciences Curriculum Committee	2010-2011
Marshall Sustainability Committee	2009-2011
Mission Statement Committee, School of Kinesiology	2009-2010
Parks and Recreation Organization for Students, Adviser	2009-2011
School of Kinesiology Executive Committee	2009-2010

Undergraduate Program Curr. Comm., College of Education	2009-2010
<u>Community Service</u>	
Bloomington Community Food Security Summit	2016
• Convened Bloomington's first two food security summits.	
Columbus New Tech High School	2014
• Content expert for Indiana evolution and natural history project	
Cope Environmental Center	2011-2012
• Volunteer	
• Indiana Master Naturalist Instructor	
Department of Natural Resources	2014
• Capstone Student Report on Tulip Trace Camp	
Huntington Urban Forestry Advisory Committee	2009-2011
• Volunteer	
Local Growers Guild	2012-2014
• Board of Directors & Member	
Mt. Gilead Friends Retreat	2015-present
• Advisory board- clerk	
• Natural resource management activities	
• Capstone Student Report	
Richmond Farmers' Market	2011-2014
• Farmer's market improvement committee	
Sycamore Land Trust	2006-present
• Member (2006-present)	
• Property Steward (2007-2009)	
• Environmental interpretation program delivery (2008 & 2012)	
• Environmental Education Committee (2007-2009; 2014-present)	
• Land Stewardship Committee (2016-present)	
West Virginia Land Trust	2009-2011
• Board of Directors & Member	
• Land Conservation Committee chair	
WildCare	2016-2018
• Grant consultation	
• Service-learning partnership	