

Yue Li

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EDUCATION

Ph.D., Educational Leadership, August 2018, **Miami University**, Oxford, Ohio.
Dissertation: *STEM faculty retention: Examining gender differences in faculty perceptions of organizational and professional factors.*

M.Ed., Educational Psychology, August 2006, **Miami University**, Oxford, Ohio

M.S., Statistics, July 2004, **Michigan State University**, East Lansing, Michigan

B.A., Korean Language and Culture, June 2000, **Peking University**, Beijing, China

PROFESSIONAL APPOINTMENTS

Associate Director, 08/2019-present, Discovery Center for Evaluation, Research, and Professional Learning (Formerly Ohio's Evaluation & Assessment Center for Mathematics and Science Education), Miami University

I provide administrative and leadership support to the Center Director for all research, evaluation, and professional learning programs, projects, and activities conducted by the Discovery Center. I also lead, support, and oversee daily operations of Center Research and Evaluation Project Teams; promote the Center's mission by monitoring daily operations; develop and sustain collaborative networks that open new opportunities for Center work; and provide intellectual leadership and managerial direction to the Center and its staff. For local-, state-, and federally-funded projects that I oversee, I help to manage external evaluation services, including research design, database management, quantitative data analysis, proposal and report development, instrument development, and other aspects—example evaluation projects include National Science Foundation (NSF) Mathematics and Science Partnership (MSP), NSF Discovery Research PreK-12 (DRK-12), NSF Innovative Technology Experiences for Students and Teachers (ITEST), NSF Advancing Informal STEM Learning (AISL), and NSF ADVANCE: Increasing the Participation and Advancement of Women in Academic Science and Engineering Careers (ADVANCE), and Faculty Early Career Development Program (CAREER) projects.

Senior Research Associate & Project Team Leader, 07/2015-07/2019, Discovery Center for Evaluation, Research, and Professional Learning (Formerly Ohio's Evaluation & Assessment Center for Mathematics and Science Education), Miami University

Serve as an external evaluator and researcher on multiple educational projects. Main responsibilities include: collaborate with potential clients to develop and submit proposals for evaluation/research/professional development projects; identify funding opportunities aligned with Center's mission that extend the scope and nature of Center work and collaborates with Center staff to develop proposals for external funding; lead assigned projects to ensure implementation of project

evaluation/research/PD designs including instrument development; manage assigned projects to ensure compliance with state and federal research regulations, monitors budgets and spending, and communicates projects' staffing and resource needs or compliance issues to the appropriate Center Coordinator; develop, submit for approval, and maintain current protocols for appropriate human subjects' protections through the University IRB; schedule and facilitate the work of members of his/her Research and Evaluation Project Team; provides training, direction, support, and oversight for junior researchers and graduate students assigned to the team; maintain regular communication with clients and oversees completion of projects in a timely manner and within budget; interpret statistical analyses to inform the writing of technical and annual reports; apply knowledge of the relevant research literature during analysis and interpretation of statistical results; independently and collaboratively produce interim, technical and annual reports and presentations for varied audiences; write scholarly papers, conference presentations, and other professional documents for publication or dissemination; develop and maintain networks of local, state, and federal agency personnel and collaborates with education professionals, government agencies, and other education stakeholders to facilitate current Center work and to initiate opportunities for future work; and represent the Center with funding agencies and advisory groups as requested by the Director.

Senior Statistician and Project Manager, 06/2011-06/2015, Ohio's Evaluation & Assessment Center for Mathematics and Science Education, Miami University

Serve as an external evaluator on multiple projects involving K-16 mathematics and science education. Main responsibilities include: conduct advanced statistical analyses, including Item Response Theory modeling (the Rasch Model), Structural Equation Modeling, Hierarchical Linear Modeling, and survey sampling for multiple evaluation projects; develop research/evaluation design protocols for project and program evaluations; design, modify and test evaluation instruments to align with project/program needs; develop and maintain online survey instruments and oversees data collection via online tools; lead the execution of all phases of data collection and analysis and advises concerning the development of new components and/or revisions; summarize results in written and oral formats, prepare reports, conference presentations, and other forms of publications for varied audiences (e.g., lay and professional); provide training, direction and support for other research associates; maintain an annual master schedule for all data-related tasks across all current and pending projects; monitors compliance with ethical and protection of human subjects (IRB) protocols in data collection and analysis; maintain regular, proactive communication with clients and ensures completion of projects in a timely manner and within budget; develop proposals, including evaluation matrices; schedule, supervise, and facilitate the work of E&A Center staff (e.g., graduates assistants, research associates, support staff); apply knowledge from the research literature in science/mathematics education to evaluation work; represent the E & A Center with clients and advisory groups on the state and national levels; develop and maintain multiple, large databases.

CERTIFICATIONS, TRAINING, AND SKILLS

Meta-Analysis Training Institute (Onsite workshop), July 28-August 3, 2019, Loyola University, Chicago, IL

Culturally Proficient Educational Practice (10-day onsite workshop), January – August, 2019, Miami University, Oxford, OH

Responsible Conduct of Research (RCR) Training, 2012, Miami University, Oxford, OH

Introduction to Rasch Measurement with Winsteps (Onsite workshop), March 26 & 27, 2007, Chicago, IL

Practical Rasch Measurement (Online workshop), August 3-31, 2007

Hierarchical Data Modeling with HLM6 (Onsite workshop), September 1-3, 2009, Chicago, IL

Basics of Structural Equation Modeling (Onsite workshop), February, 2006, Miami University, Oxford, Ohio

Statistical software: SAS, SPSS/Amos, R, Winsteps, Mplus, UCINET, HLM7.

Questionnaire Design Software: Qualtrics, Snap Survey Software, Prezza Checkbox

Programming Languages: C++, SQL, Python

Other software: Microsoft Office (Access, Excel, Word, and PowerPoint), Adobe Acrobat Professional

Languages: English, Chinese, Japanese, and Korean

GRANTS (Current/Pending)

PI in **Li, Y.**, Woodruff, S. B., & Dixon, M. (7/1/2020 – 6/30/2022). *Synthesis: Impact of integrating innovative technologies in STEM classrooms on K-12 students' STEM career outcomes*. The National Science Foundation, (#1949437), \$299,999, Pending.

PI in **Li, Y.** (1/1/2020 – 12/31/2021). *Using empirical data to validate a theoretical framework regarding impact of teacher professional development features on science teacher and student outcomes: A Multilevel SEM approach*. The National Science Foundation, (#1937676), \$306,806, Pending.

PUBLICATIONS

Qian, Y., Hambrusch, S., Yadav, A., Gretter, S., & **Li, Y.** (2019). Teachers' perceptions of student misconceptions in introductory programming. *Journal of Educational Computing Research*. Advance online publication. Retrieved from <https://journals.sagepub.com/doi/full/10.1177/0735633119845413>

Lokon, E., Sauer, P. E., & **Li, Y.** (2019). Activities in dementia care: A comparative assessment of activity types. *Dementia*, 18(2), 471-489, doi: 10.1177/1471301216680890.

- Lokon, E., Li, Y., & Kunkel, S. (2018). Allophilia: Increasing college students' "liking" of older adults with dementia through arts-based intergenerational experiences. *Gerontology & Geriatrics Education*. Advance online publication. doi: 10.1080/02701960.2018.1515740. Retrieved from <https://www.tandfonline.com/doi/citedby/10.1080/02701960.2018.1515740?scroll=top&needAccess=true>.
- Lokon, E., Li, Y., & Parajuli, J. (2017). Using art in an intergenerational program to improve students' attitudes toward people with dementia. *Gerontology & Geriatrics Education*, 38 (4), 407-424, doi: 10.1080/02701960.2017.1281804. Retrieved from <http://www.tandfonline.com/doi/abs/10.1080/02701960.2017.1281804?needAccess=true>.
- Li, Y. (2015). Revealing the Hidden Through a Curriculum Window. In Poetter, T. (Eds.), *Curriculum windows: What curriculum theorists of the 1970s can teach us about schools and society today*. Charlotte, North Carolina: Information Age Publishing.
- McGroarty, E., Jimenez, T., Linley, J., Li, Y., Granberry-Russell, P., & Williams, K. (2014). External funding: Impact on promotion and retention of STEM assistant professors. *Journal of Academic and Business Ethics*. Vol. 8. Retrieved from <http://www.aabri.com/manuscripts/131645.pdf>.
- Kahle, J. B., Scantlebury, K., Woodruff, S. B., & Li, Y. (2010). Evaluating Undergraduate Chemistry Reform: Challenges, Opportunities, and Directions. In J. Ryan, T. Clark, & A. Collier (Eds.), *Assessment of chemistry: Assessment in the disciplines: Vol. 5*, (pp. 161-173). Tallahassee, FL: The Association for Institutional Research (AIR).

CONFERENCE PRESENTATIONS

- Li, Y. (2019, April). *STEM Faculty Retention: Examining Gender Differences in Faculty Perceptions of Organizational and Professional Factors*. Round table presented at the American Educational Research Association (AERA) Annual Meeting, Toronto, Canada.
- Li, Y. (2018, November). Learning from the Audience: Developing an Accessible Online Survey for Evaluation Participants with Visual Impairments. Part of the multipaper session: Looking Inward: Rewriting the role of evaluator, as rhetorician, and social change agent through individual and organizational self-reflection. Paper presented at the American Evaluation Association (AEA) Evaluation 2018 Conference, Cleveland, OH.
- Li, Y. & Woodruff, S. B. (2018, March). *Relationships between Changes in Teachers' Understanding of Scientific Inquiry (SI) and Nature of Science (NOS)*. Poster presented at the National Association for Research in Science Teaching Annual Meeting, Atlanta, GA.
- Li, Y. & Woodruff, S. B. (2017, November). *Using Social Network Analysis to Measure Change in Conference Participants' Connectivity, Communication, and*

Collaboration. Paper presented at the American Evaluation Association (AEA) Evaluation 2017 Conference, Washington D.C.

- Li, Y.** & Woodruff, S. B. (2017, April). Complex changes: Visualizing teacher's accurate understanding and misconceptions regarding scientific inquiry and nature of science. Paper presented at the National Association for Research in Science Teaching Annual Meeting, Austin, TX.
- Li, Y.** (2016, October). Evaluating federal-funded projects for improving women STEM faculty work life in institutions of higher education: Learning from design. Paper presented at the American Evaluation Association (AEA) Evaluation 2016 Conference, Atlanta, GA.
- Li, Y.** & Woodruff, S. B. (2016, April). *Visualizing change of teacher's accurate understanding and misconceptions regarding scientific inquiry and nature of science*. Paper presented at the National Association for Research in Science Teaching Annual Meeting, Baltimore, MD.
- Li, Y.**, Cox, K., & Woodruff, S. B. (2015, April). *Interaction of teacher understanding and misconceptions regarding scientific inquiry and nature of science*. Paper presented at the National Association for Research in Science Teaching Annual Meeting, Chicago, IL.
- Morio, K. L. & **Li, Y.** (2013, November). *Reaching out to rural teachers: Access to effective professional development for teachers in isolation*. Paper presented at the Mid-Western Educational Research Association Annual Meeting, Evanston, IL.
- McGroarty, E., Jimenez, T., Linley, J., **Li, Y.**, Granberry-Russell, P., Williams, K. (2013). Importance of External Funding in Promotion and Retention of Assistant Professors in STEM Disciplines at Michigan State University and Differential Impact by Gender. National Science Foundation ADVANCE Annual PI Meeting.
- Siegel, M. A., Claesgens, J. M., Coffey, J., Enger, S., Kahle, J. B., **Li, Y.**, Osmundson, E., Scantlebury, K., Shaw, J. M., Sinapuelas, M. S., Steele, E., Sunal, C., Sunal, D., Turner, D., & Woodruff, S. B. (2012). Undergraduate science assessment: Current innovations and future obstacles and opportunities. *Symposium and paper presented at the Annual Meeting of the National Association for Research in Science Teaching*, Indianapolis, IN.
- Kahle, J. B., Scantlebury, K., **Li, Y.**, & Blasie, C. (2011, September). *Building upon success: Teacher change and student learning*. Paper presented at European Science Education Research Association, Lyon, France.
- Scantlebury, K., Kahle, J. B., **Li, Y.**, & Blasie, C. (2011, April). *Falsehoods and Fallacies: Differences in Middle School Science Achievement*. Paper presented at the American Educational Research Association Annual Meeting, New Orleans, LA.
- Kahle, J. B., Scantlebury, K., **Li, Y.**, & Woodruff, S. B. (2011, April). *Project and policy changes for teachers' professional development based on evaluation data*. Paper presented at the National Association for Research in Science Teaching Annual Meeting, Orlando, FL.

- Scantlebury, K., Kahle, J. B., & Li, Y. (2011, April). *Re-presenting gender differences in science achievement*. Poster presented at the National Association for Research in Science Teaching Annual Meeting, Orlando, FL.
- Li, Y., Kahle, J. B., Blasie, C., & Scantlebury, K. (2011, January). *Teacher Change and Student Learning: What Works?* Paper presented at 2011 MSP Learning Network Conference, Washington D.C.
- Li, Y., Scantlebury, K., Kahle, J. B., Blasie, C., & Woodruff, S. B. (2010, March). *Improving Students' Science Achievement through Long-Term Teacher Professional Development*. Paper presented at National Association for Research in Science Teaching 2010 Annual International Conference, Philadelphia, PA.
- Woodruff, S. B., McCollum, T. L., Li, Y., Bautista, N. U. (2010, March). *Enhancing Elementary Teachers' Content and Pedagogical Knowledge through Sustained Professional Development*. Paper presented at National Association for Research in Science Teaching 2010 Annual International Conference, Philadelphia, PA.
- Clark, T. M., Kahle, J. B., Woodruff, S. B., & Li, Y. (2010, March). *Does Chem-Research Make a Difference?* Paper presented at National Association for Research in Science Teaching 2010 Annual International Conference, Philadelphia, PA.
- Li, Y., Scantlebury, K., Kahle, J. B., & Blasie, C. (2010, January). *Sustained, Content-Based PD: Knowledge Generated from the PennSTI*. Paper presented at the 2010 MSP Learning Network Conference, Washington D.C.
- Woodruff, S. B., Li, Y., Morio K. L., Sutton, J., & Kao, H. C. (2009, October). *Evaluating Teacher Professional Development: Challenges and Opportunities*. Paper presented at 108th Annual Convention of School Science and Mathematics Association, Reno, NV.
- Kahle, J. B., Scantlebury, K., & Li, Y. (2009, September). *Professional development programs in science that sustain changes in teacher practice?* Paper presented at European Science Education Research in Annual Meeting, Istanbul, Turkey.
- Scantlebury, K., Woodruff, S. B., Li, Y., & Blasie, C. (2009, August). *Reducing achievement differences: Impact of chemistry teachers' pedagogical practices and knowledge on student achievement*. Paper presented at 238th American Chemical Society Meeting, Washington, D.C.
- Li, Y. (2009, May). *Using Rasch Analysis in the Evaluation of Education*. Paper presented at the Ohio Program Evaluators' Group 2009 Spring Evaluators' Exchange, Columbus, OH.
- Li, Y., Kahle, J. B., Scantlebury, K., Blasie, C., & Woodruff, S. B. (2009, April). *Sustaining Change: Are Booster Shots Needed?* Paper presented at National Association for Research in Science Teaching 2009 Annual International Conference, Garden Grove, CA.
- Kahle, J. B., Li, Y., & Woodruff, S. B. (2009, January). *Challenges and Opportunities in Evaluating Two MSP Projects*. Paper presented at the 2009 MSP Learning Network Conference, Washington D.C.

- Scantlebury, K., Li, Y., Blasie, C., & Woodruff, S. B. (2009, January). *Does Sustained Science Content Based Professional Development Make a Difference to Students' Science Achievement?* Paper presented at the 2009 MSP Learning Network Conference, Washington D.C.
- Scantlebury, K., Kahle, J. B., Blasie, C., Pitts, W., Carumbo, C., Siry, C., & Li, Y. (2009, January). Responding to the Storm: Professional Development Programs Focused on Improving Teachers' Content Knowledge and Inquiry Practices. Paper presented at the ASTE 2009 International Conference, Hartford, CT.
- Scantlebury, K., Kahle, J. B., Li, Y., & Woodruff, S. B. (2008, November). *Impact of Chemistry Teachers' Knowledge & Practices on Student Achievement.* Paper presented at the 2008 School Science and Mathematics Association Annual Conference, Raleigh-Durham, NC.
- Li, Y., Kahle, J. B., & Scantlebury, K. (2008, July). *Issues and Opportunities in Evaluating Large Scale, Multiple Site Projects.* Paper presented at the 20th Biennial Conference on Chemical Education, Bloomington, IN.
- Scantlebury, K., Kahle, J. B., & Li, Y. (2008, July). *Impact of Chemistry Teachers' Knowledge & Practices on Student Achievement.* Paper presented at the Physics Education Research Conference 2008, Edmonton, CA.
- Li, Y. & Kahle, J. B. (2008, June). *The REEL Evaluation: Year 2007-2008.* Paper presented at the 40th Central Regional Meeting of the American Chemical Society, Columbus, OH.
- Li, Y. & Wang, A. (2008). Comparing the Effectiveness of the Harter's Structured Alternative Format with the Likert Scale Format. Manuscript in preparation.
- Li, Y., Kahle, J. B., & Boone, W. J. (2007, May). *The REEL Evaluation: A Collaborative Effort.* Paper presented at the 39th Central Regional Meeting of the American Chemical Society, Covington, KY.
- Li, Y., Boone, W. J., & McCollum, T. L. (2007, April). *Developing MSP Content Tests to Measure Middle School Teacher and Student Understanding.* Poster presented at the Symposium on Mathematics and Science Teaching and Learning, Columbus, OH.
- Maltbie, C., Boone, W. J., & Li, Y. (2007, April). *Using ODE online data to investigate middle school issues.* Paper presented at the Middle Grade Teaching and Learning Symposium, Columbus, OH.
- Ricksecker, E. G., Li, Y., Tekeste, M. Y., Boone, W. J., & Kahle, J. B. (2006, November). *REEL Project Evaluation Poster.* Poster presented at the REEL Student Symposium, Columbus, OH.
- Li, Y., Xia, J., Wang, A., & Harris, A. (2006, October). *Instructors' Attitudes toward Implementing Inquiry-Based Instruction.* Annual conference of Mid-Western Educational Research Association, Columbus, OH.
- Li, Y., Wang, A., Harris, A., McCollum, T. L., & Myers, C. A. (2006, May). *Expectation and Communication of Web-Based Instruction on Supporting Teachers' Inquiry-*

Based Instruction. Poster presented at the 18th Annual convention of Association for Psychological Science, Columbus, OH.

Xia, J., Wang, A., Byers, A., Li, Y., Myers, C. A., & McCollum, T. L. (2006, May). *The Perceived Level of Support for Implementing Inquiry-Based Instruction*. Poster presented at the 18th Annual convention of Association for Psychological Science, Columbus, OH.

SELECTED EVALUATION PROJECTS

Evaluation of Voices of Discovery: Intergroup Dialogue Initiative at Miami University (Miami University, 03/2019 – *Current*)

Evaluation of ITEST Strategies: Trans-disciplinary Education in Biology and Engineering Technology (NSF ITEST, 08/2018 – *Current*)

Evaluation of the Center for Bright Beams (NSF STC, 03/2017 – *Current*)

Evaluation of Geotechnology Experiences for Students and Teachers (GTEST) (NSF ITEST, 01/2017 – *Current*)

Evaluation of Who's Not at the Table? Building Research Capacity for Underserved Communities in Engineering (NSF BPE, 09/2016 – 03/2017)

Evaluation of Building and Broadening Understanding of Engineering Practices among Elementary Preservice Teachers (UPDATE) (NSF IUSE, 07/2016 – *Current*)

Evaluation of STEM in the PlayScape: Building Knowledge for Educational Practice (NSF AISL, 01/2016 – *Current*)

Evaluation of the Cincinnati Engineering Enhanced Mathematics and Science Program (CEEMS) (NSF MSP, 09/2015 – 08/2018)

Brown University Departmental Climate Study (07/2015 – 10/2015)

Evaluation of Now I Get It! Scientific Argumentation in Middle School (OBR ITQ, 01/2015 – 05/2016)

Evaluation of CS 10K: Leading the Way to CS10K: Assessing a Just-in-Time Professional Development Approach for Teacher Knowledge Growth in Computer Science (NSF CE21, 08/2014 – 07/2018)

Evaluation of the Biology with X-Ray Lasers, BioXFEL (NSF STC, 08/2013 – *Current*)

Evaluation of Fighting with Food: Battling Chemical Toxicity with Good Nutrition (NIH NCRR, 06/2013 – 06/2015)

Evaluation of Leadership, Empowerment, and Advancement for STEM Women Faculty (LEAF) at University of Cincinnati (NSF ADVANCE, 09/2012 – 08/2018)

Evaluation of Learning from Small Numbers: Using the personal narratives of underrepresented students to promote institutional change in engineering education (NSF CAREER, 09/12 – 10/16)

Evaluation of Development and Integration of Synergistic Computational and Experimental Activities within the Mechanical and Manufacturing Engineering Curriculum (NSF TUES, 04/2012 – 05/2013)

Evaluation of the Ohio Resident Educator Program (REP) (ODE RttT, *Spring 2012 – 06/2016*)

Evaluation of Kent State University Noyce scholars program (NSF NOYCE, 09/2011 – 07/2014)

Evaluation of Targeted MSP: The University of Buffalo/Buffalo Public Schools (UB/BPS) Interdisciplinary Science and Engineering Partnership (ISEP) (NSF MSP, 09/2011 – 08/2018)

Evaluation of *iDiscovery*: Sustaining Professional Development Through Web-Based Learning Communities (OBR ITQ, 06/2011 – 08/2014)

Evaluation of Further Development and Testing of the Target Inquiry Model for Middle and High School Science Teacher Professional Development (NSF DRK12, 03/2011 – 07/2018)

Cross-Program Evaluation of Ohio Mathematics and Science Partnership Program (ODE OMSP, 01/2010 – *Summer 2014*)

Evaluation of Michigan State University Advancing Diversity through the Alignment of Policies and Procedures (ADAPP) (NSF ADVANCE, 12/2009 – 03/2015)

Evaluation of Collaborative Research: MU CPATH II: Incorporating Communication Outcomes (NSF CPATH, 12/2009 – 09/2014)

Evaluation of Middle School Portal 2: Math & Science Pathways (MSP2) (NSF NSDL, 09/2009 – 08/2012)

Evaluation of Implementing Lesson Study and Measuring Its Impact on Teacher Development (ODE OMSP, OBR ITQ, 07/2009 – 06/2013)

Evaluation of Ohio Performance Assessment Pilot Project (ODE OPAPP, 02/2009 – 12/2011)

Evaluation of ADVANCE: Purdue Center for Faculty Success (PCFS) (NSF ADVANCE, 01/2009-*Fall 2013*)

Evaluation of Fossil Finders, Using Fossils to Teach about Evolution, Inquiry, and Nature of Science (NSF DRK-12, 08/2008 – 12/2012)

Evaluation of Edgewood City School District's 5-Year Strategic Plan (2008)

Evaluation of Beyond Penguins and Polar Bears: Integrating Literacy and IPY in the K-5 Classroom (BPPB) (NSF DRK-12, 09/2007-*Winter 2012*)

Evaluation of Miami University Partnership for Enhancing the Teaching of Mathematics (MUPET-Math) (ODE OMSP, 2007 – 2010)

Evaluation of SOSI 3-6 (ODE OMSP, 2007 – 2009)

Evaluation of Mathematics Science Partnership in New York City (MSPinNYC) (NSF MSP, *Fall 2005 – Spring 2010*)

Evaluation of Science Teacher Institutes, University of Pennsylvania (NSF MSP, *Fall 2005 – Winter 2011*)

Evaluation, Ohio Consortium for Undergraduate Research: Real Experiences to Enhance Learning (REEL) (NSF CHE, *Fall 2005-Winter 2011*)

Evaluation, Center for Authentic Science Practices in Education (CASPiE) (NSF CHE, *Fall 2005-Spring 2011*)

SELECTED EVALUATION REPORTS

Woodruff, S. B., **Li, Y.**, & Dixon, M. L. (2018). *Evaluation of Leadership, Empowerment, and Advancement for STEM Women Faculty (LEAF) at University of Cincinnati, Summative Report*. Oxford, OH: Miami University, Discovery Center for Evaluation, Research, and Professional Learning.

Woodruff, S. B., **Li, Y.**, & Dixon, M. L. (2018). *Evaluation of Using Principles of Design to Advance Teacher Education (UPDATE): Annual report 2018*. Oxford, OH: Miami University, Discovery Center for Evaluation, Research, and Professional Learning.

Woodruff, S. B., **Li, Y.**, & Harrison, K. (2018). *Summative Evaluation of University at Buffalo and Buffalo Public Schools (UB/BPS) Interdisciplinary Science and Engineering Partnership (ISEP) Project*. Oxford, OH: Miami University, Discovery Center for Evaluation, Research, and Professional Learning.

Dixon, M. L., **Li, Y.**, & Woodruff, S. B. (2018). *Evaluation of CEEMS: The Cincinnati Engineering Enhanced Mathematics and Science Partnership Project: Annual report, 2017-2018*. Oxford, OH: Miami University, Discovery Center for Evaluation, Research, and Professional Learning.

Woodruff, S. B., & **Li, Y.** (2018). *Center for Bright Beams annual evaluation report, August 2018*. Oxford, OH: Miami University, Discovery Center for Evaluation, Research, and Professional Learning.

Slaughter, A. L., Dixon, M. L., **Li, Y.**, & Woodruff, S. B., (2018). *Evaluation of Writing and Inquiry Stories to Explore Science (WISE Science) (2017-2018), Evaluation report*. Oxford, OH: Miami University, Discovery Center for Evaluation, Research, and Professional Learning.

Woodruff, S. B., & **Li, Y.** (2017). *Evaluation of the Biology with X-Ray Lasers, BioXFEL Project, Year 4 evaluation report, May 2017*. Oxford, OH: Miami University, Discovery Center for Evaluation, Research, and Professional Learning.

Woodruff, S. B., Dixon, M. L., & **Li, Y.** (2017). *Evaluation of CEEMS: The Cincinnati Engineering Enhanced Mathematics and Science Partnership Project: Annual report, 2016-2017*. Oxford, OH: Miami University, Discovery Center for Evaluation, Research, and Professional Learning.

Woodruff, S. B., & **Li, Y.** (2017). *Center for Bright Beams annual meeting, June 2017, Evaluation report*. Oxford, OH: Miami University, Discovery Center for Evaluation, Research, and Professional Learning.

- Woodruff, S. B., Morio, K. L., Li, Y., & Fang, L. (2017). *Evaluation of Fighting with Food: Battling Chemical Toxicity with Good Nutrition: Annual report 2015-2016*. Oxford, OH: Miami University, Discovery Center for Evaluation, Research, and Professional Learning.
- Woodruff, S. B., Dixon, M. L., & Li, Y. (2017). *Evaluation of Geotechnology Experiences for Students and Teachers (GTEST): Annual report 2017*. Oxford, OH: Miami University, Discovery Center for Evaluation, Research, and Professional Learning.
- Woodruff, S. B., Li, Y., Dixon, M. L., Hovhannisyan, L., & Fang, L. (2017). *Evaluation of Leadership, Empowerment, and Advancement for STEM Women Faculty (LEAF) at University of Cincinnati, Year 5 Report 2016-2017*. Oxford, OH: Miami University, Discovery Center for Evaluation, Research, and Professional Learning.
- Woodruff, S. B., Dixon, M. L., & Li, Y. (2017). *Evaluation of STEM in the PlayScape: Annual report 2017*. Oxford, OH: Miami University, Discovery Center for Evaluation, Research, and Professional Learning.
- Woodruff, S. B., Li, Y., & Fang, L. (2017). *Evaluation of University at Buffalo/ Buffalo Public Schools (UB/BPS) Interdisciplinary Science and Engineering Partnership: Annual report 2016-2017*. Oxford, OH: Miami University, Discovery Center for Evaluation, Research, and Professional Learning.
- Woodruff, S. B., Li, Y., & Dixon, M. L. (2017). *Evaluation of Using Principles of Design to Advance Teacher Education (UPDATE): Annual report 2017*. Oxford, OH: Miami University, Discovery Center for Evaluation, Research, and Professional Learning.
- Woodruff, S. B., & Li, Y. (2017). *Summative evaluation findings: Who's Not at the Table? Building Research Capacity for Underserved Communities in Engineering*. Oxford, OH: Miami University, Discovery Center for Evaluation, Research, and Professional Learning.
- Woodruff, S. B., Dixon, M., & Li, Y. (2016). *Evaluation of CEEMS: The Cincinnati Engineering Enhanced Mathematics and Science: Annual report 2015-2016*. Oxford, OH: Miami University, Discovery Center for Evaluation, Research, and Professional Learning.
- Woodruff, S. B., Dixon, M. L., & Li, Y. (2016). *Evaluation of STEM in the PlayScape: Annual report 2016*. Oxford, OH: Miami University, Discovery Center for Evaluation, Research, and Professional Learning.
- Woodruff, S. B. & Li, Y. (2016). *Evaluation of Now I Get It! Scientific Argumentation in Middle School, Evaluation report, 2015-2016*. Oxford, OH: Miami University, Discovery Center for Evaluation, Research, and Professional Learning.
- Woodruff, S. B., & Li, Y. (2016). *Evaluation of the Biology with X-Ray Lasers, BioXFEL Project, Year 3 evaluation report, May 2016*. Oxford, OH: Miami University, Discovery Center for Evaluation, Research, and Professional Learning.
- Woodruff, S. B., & Li, Y. (2016). *Evaluation of University at Buffalo/ Buffalo Public Schools (UB/BPS) Interdisciplinary Science and Engineering Partnership: Annual*

- report 2015-2016. Oxford, OH: Miami University, Discovery Center for Evaluation, Research, and Professional Learning.
- Woodruff, S. B., & Li, Y. (2016). Summative Evaluation Findings, CAREER: Learning from Small Numbers: Using the personal narratives of underrepresented students to promote institutional change in engineering education. Oxford, OH: Miami University, Discovery Center for Evaluation, Research, and Professional Learning.
- Woodruff, S. B., Li, Y. & Dixon, M. (2016). Evaluation of Leadership, Empowerment, and Advancement for STEM Women Faculty (LEAF) at University of Cincinnati, Year 4 report 2015-2016. Oxford, OH: Miami University, Discovery Center for Evaluation, Research, and Professional Learning.
- Woodruff, S. B., Nian, Q., Li, Y., Cox, C., DeGreg, J., Hutzler, M., Zorn, D., & Lewis, M. (2016). *Evaluation of the Ohio Resident Educator Program, Year 5 summative evaluation report, August 2016*. Oxford, OH: Miami University, Discovery Center for Evaluation, Research, and Professional Learning.
- Kahle, J. B., Morio, K. L., & Li, Y. (2015). *Evaluation of Target Inquiry: Annual report 2014-2015*. Oxford, OH: Miami University, Discovery Center for Evaluation, Research, and Professional Learning.
- Woodruff, S. B., Li, Y., & Chang, M. (2015). *Summary of findings: 2015 Brown University DEEPS work environment survey*. Oxford, OH: Miami University, Discovery Center for Evaluation, Research, and Professional Learning.
- Woodruff, S. B., & Li, Y. (2015). *Evaluation of the Biology with X-Ray Lasers, BioXFEL Project, Year 2 evaluation report, April 2015*. Oxford, OH: Miami University, Ohio's Evaluation & Assessment Center for Mathematics and Science Education.
- Woodruff, S. B., & Li, Y. (2015). Evaluation of University at Buffalo/Buffalo Public Schools (UB/BPS) Interdisciplinary Science and Engineering Partnership: Annual report 2014-2015. Oxford, OH: Miami University, Ohio's Evaluation & Assessment Center for Mathematics and Science Education.
- Woodruff, S. B., Morio, K. L., & Li, Y. (2015). *Evaluation of Fighting with Food: Battling Chemical Toxicity with Good Nutrition: Annual report 2013-2014*. Oxford, OH: Miami University, Ohio's Evaluation & Assessment Center for Mathematics and Science Education.
- Woodruff, S. B., Morio, K. L., Li, Y. & Dixon, M. (2015). Evaluation of Leadership, Empowerment, and Advancement for STEM Women Faculty (LEAF) at University of Cincinnati, Year 3 report 2014-2015. Oxford, OH: Miami University, Ohio's Evaluation & Assessment Center for Mathematics and Science Education.
- Kahle, J. B., Morio, K. L., & Li, Y. (2014). *Evaluation of Target Inquiry: Annual report 2013-2014*. Oxford, OH: Miami University, Ohio's Evaluation & Assessment Center for Mathematics and Science Education.
- Li, Y., & Woodruff, S. B. (2014). Evaluation of Development and Integration of Synergistic Computational and Experimental Activities within the Mechanical and Manufacturing Engineering Curriculum, Final project evaluation report, Spring 2014.

Oxford, OH: Miami University, Ohio's Evaluation & Assessment Center for Mathematics and Science Education.

- Woodruff, S. B., & Li, Y. (2014). Evaluation of University at Buffalo/Buffalo Public Schools (UB/BPS) Interdisciplinary Science and Engineering Partnership: Annual report 2014-2014. Oxford, OH: Miami University, Ohio's Evaluation & Assessment Center for Mathematics and Science Education.
- Woodruff, S. B., Li, Y., & Ryan, E. E. (2014). Evaluation of collaborative research: CPATH II incorporating communication outcomes into the computer science curriculum, final evaluation report, September 2014. Oxford, OH: Miami University, Ohio's Evaluation & Assessment Center for Mathematics and Science Education.
- Woodruff, S. B., Morio, K. L., & Li, Y. (2014). *Evaluation of Kent State University Noyce scholars program: Annual report 2013-2014*. Oxford, OH: Miami University, Ohio's Evaluation & Assessment Center for Mathematics and Science Education.
- Woodruff, S. B., Morio, K. L., Li, Y., & Bleikamp, G. M. (2014). Evaluation of Leadership, Empowerment, and Advancement for STEM Women Faculty (LEAF) at University of Cincinnati, Year 2 report 2013-2014. Oxford, OH: Miami University, Ohio's Evaluation & Assessment Center for Mathematics and Science Education.
- Woodruff, S. B., Morio, K. L., Li, Y., & Bleikamp, G. M. (2014). Evaluation of Michigan State University Advancing Diversity through the Alignment of Policies and Procedures (ADAPP): Annual report 2013-2014. Oxford, OH: Miami University, Ohio's Evaluation & Assessment Center for Mathematics and Science Education.
- Woodruff, S. B., & Li, Y. (2013). Evaluation of University at Buffalo/Buffalo Public Schools (UB/BPS) Interdisciplinary Science and Engineering Partnership: Annual report 2012-2013. Oxford, OH: Miami University, Ohio's Evaluation & Assessment Center for Mathematics and Science Education.
- Woodruff, S. B., Morio, K. L., & Li, Y. (2013). *Evaluation of ADVANCE: Purdue Center for Faculty Success (PCFS), annual report 2012-2013*. Oxford, OH: Miami University, Ohio's Evaluation & Assessment Center for Mathematics and Science Education.
- Woodruff, S. B., Morio, K. L., & Li, Y. (2013). *Evaluation of Kent State University NOYCE scholars program: Annual report 2012-2013*. Oxford, OH: Miami University, Ohio's Evaluation & Assessment Center for Mathematics and Science Education.
- Woodruff, S. B., Morio, K. L., & Li, Y. (2013). Evaluation of Leadership, Empowerment, and Advancement for STEM Women Faculty (LEAF) at University of Cincinnati, Year 1 report 2012-2013. Oxford, OH: Miami University, Ohio's Evaluation & Assessment Center for Mathematics and Science Education.
- Woodruff, S. B., Morio, K. L., & Li, Y. (2013). Evaluation of Michigan State University Advancing Diversity through the Alignment of Policies and Procedures (ADAPP): Annual report 2012-2013. Oxford, OH: Miami University, Ohio's Evaluation & Assessment Center for Mathematics and Science Education.

- Kahle, J. B., Li, Y., & Morio, K. L. (2012). *Evaluation of Targeted Inquiry: Annual report 2011-2012*. Oxford, OH: Miami University, Ohio's Evaluation & Assessment Center for Mathematics and Science Education.
- Woodruff, S. B., Cox, C. L., & Li, Y. (2012). Implementing lesson study and measuring its impact on teacher development - A project of the Ohio Mathematics and Science Partnership Program 2010-2012 final evaluation report. Oxford, OH: Miami University, Ohio's Evaluation & Assessment Center for Mathematics and Science Education.
- Woodruff, S. B., & Li, Y. (2012). Evaluation of University at Buffalo/Buffalo Public Schools (UB/BPS) Interdisciplinary Science and Engineering Partnership: Annual report 2011-2012. Oxford, OH: Miami University, Ohio's Evaluation & Assessment Center for Mathematics and Science Education.
- Woodruff, S. B., Li, Y., & Ryan, E. E. (2012). Executive summary of evaluation of Collaborative research: CPATH II incorporating communication outcomes into the computer science curriculum, July 2011 – June 2012. Oxford, OH: Miami University, Ohio's Evaluation & Assessment Center for Mathematics and Science Education.
- Woodruff, S. B., Morio, K. L., & Li, Y. (2012). *Evaluation of beyond penguins and polar bears: Integrating literacy and IPY in the K-5 classroom. Final report 2008-2012*. Oxford, OH: Miami University, Ohio's Evaluation & Assessment Center for Mathematics and Science Education.
- Woodruff, S. B., Morio, K. L., & Li, Y. (2012). *Evaluation of ADVANCE: Purdue Center for Faculty Success (PCFS), annual report 2011-2012*. Oxford, OH: Miami University, Ohio's Evaluation & Assessment Center for Mathematics and Science Education.
- Woodruff, S. B., Morio, K., & Li, Y. (2012). *Evaluation of iDiscovery: Sustaining professional development through web-based learning communities (2011-2012)*. Oxford, OH: Miami University, Ohio's Evaluation & Assessment Center for Mathematics and Science Education.
- Woodruff, S. B., Morio, K. L., & Li, Y. (2012). Evaluation of Michigan State University Advancing Diversity through the Alignment of Policies and Procedures (ADAPP): Annual report 2011-2012. Oxford, OH: Miami University, Ohio's Evaluation & Assessment Center for Mathematics and Science Education.
- Woodruff, S. B., Morio, K. L., & Li, Y. (2011). *Evaluation of beyond penguins and polar bears: Integrating literacy and IPY in the K-5 classroom. Final report 2008-2010*. Oxford, OH: Miami University, Ohio's Evaluation & Assessment Center for Mathematics and Science Education.
- Kahle, J. B., & Li, Y. (2011). *Evaluation of research experiences to enhance learning: Final report*. Oxford, OH: Miami University, Ohio's Evaluation & Assessment Center for Mathematics and Science Education.
- Kahle, J. B., & Li, Y. (2011). *Evaluation of research experiences to enhance learning: Year 6, 2010-2011 annual report*. Oxford, OH: Miami University, Ohio's Evaluation & Assessment Center for Mathematics and Science Education.

- Woodruff, S. B., Morio, K. L., & Li, Y. (2011). *Evaluation of ADVANCE: Purdue Center for Faculty Success (PCFS), annual report 2010-2011*. Oxford, OH: Miami University, Ohio's Evaluation & Assessment Center for Mathematics and Science Education.
- Kahle, J. B., Li, Y., & Scantlebury, K. (2011). *University of Pennsylvania Science Teacher Institutes–2011*. Oxford, OH: Miami University, Ohio's Evaluation & Assessment Center for Mathematics and Science Education.
- Woodruff, S. B., Morio, K. L., & Li, Y. (2011). Evaluation of Michigan State University Advancing Diversity through the Alignment of Policies and Procedures (ADAPP): Annual report 2010-2011. Oxford, OH: Miami University, Ohio's Evaluation & Assessment Center for Mathematics and Science Education.
- Woodruff, S. B., Li, Y., Ryan, E., & Kao, H. (2011). Evaluation of collaborative research: CPATH II incorporating communication outcomes into the computer science curriculum. Annual report 2010-2011. Oxford, OH: Miami University, Ohio's Evaluation & Assessment Center for Mathematics and Science Education.
- Woodruff, S. B., & Li, Y. (2011). Executive summary of evaluation of Collaborative research: CPATH II incorporating communication outcomes into the computer science curriculum. Oxford, OH: Miami University, Ohio's Evaluation & Assessment Center for Mathematics and Science Education.
- Woodruff, S. B., & Li, Y. (2011). Collaborative research: CPATH II incorporating communication outcomes into the computer science curriculum, quasi-experimental report. Oxford, OH: Miami University, Ohio's Evaluation & Assessment Center for Mathematics and Science Education.
- Woodruff, S. B., Morio, K. L., and Li, Y. (2011). *Evaluation of fossil finders, using fossils to teach about evolution, inquiry, and nature of science: Annual report 2010-2011*. Oxford, OH: Miami University, Ohio's Evaluation & Assessment Center for Mathematics and Science Education.
- Woodruff, S. B., Morio, K. L., & Li, Y. (2011). *Evaluation of middle school portal 2: Math & science pathways (MSP2) Annual report 2010-2011*. Oxford, OH: Miami University, Ohio's Evaluation & Assessment Center for Mathematics and Science Education.
- Scantlebury, K., Li, Y., & Woodruff, S. B. (2011). *Evaluation of CASPiE: Final Report*. Oxford, OH: Miami University, Ohio's Evaluation & Assessment Center for Mathematics and Science Education.
- Woodruff, S. B., Li, Y., & Ryan, E. (2010). Evaluation of collaborative research: CPATH II incorporating communication outcomes into the computer science curriculum, year 1 interim report, July 2010. Oxford, OH: Miami University, Ohio's Evaluation & Assessment Center for Mathematics and Science Education.
- Woodruff, S. B., Li, Y., Kao, H., Morio, K. M., & Ryan, E. (2010). Evaluation of collaborative research: CPATH II incorporating communication outcomes into the computer science curriculum, technical report, January 2010. Oxford, OH: Miami

University, Ohio's Evaluation & Assessment Center for Mathematics and Science Education.

Kahle, J. B., Li, Y., & Scantlebury, K. (2010). *University of Pennsylvania Science Teacher Institutes – 2010*. Oxford, OH: Miami University, Evaluation & Assessment Center for Mathematics and Science Education.

Kahle, J. B. & Li, Y. (2010). *Research Experiences to Enhance Learning: Year 5, 2009-2010 Annual Report*. Oxford, OH: Miami University, Ohio's Evaluation & Assessment Center for Mathematics and Science Education.

Woodruff, S. B., Morio, K. L., & Li, Y. (2010). *Evaluation of ADVANCE: Purdue Center for Faculty Success (PCFS): Annual report 2009-2010*. Oxford, OH: Miami University, Ohio's Evaluation & Assessment Center for Mathematics and Science Education.

Woodruff, S. B., Morio, K. L., & Li, Y. (2010). *Evaluation of beyond penguins and polar bears: Integrating literacy and IPY in the K-5 classroom. Annual report 2009-2010*. Oxford, OH: Miami University, Ohio's Evaluation & Assessment Center for Mathematics and Science Education.

Woodruff, S. B., Morio, K. L., & Li, Y. (2010). *Evaluation of Michigan State University Advancing Diversity through the Alignment of Policies and Procedures (ADAPP): Annual report 2009-2010*. Oxford, OH: Miami University, Ohio's Evaluation & Assessment Center for Mathematics and Science Education.

Woodruff, S. B., Morio, K. L., & Li, Y. (2010). *Evaluation of middle school portal 2: Math & science pathways (MSP2) Annual report 2009-2010*. Oxford, OH: Miami University, Ohio's Evaluation & Assessment Center for Mathematics and Science Education.

Woodruff, S. B., Morio, K. L., and Li, Y. (2009). *Evaluation of fossil finders, using fossils to teach about evolution, inquiry, and nature of science: Annual report 2008-2009*. Oxford, OH: Miami University, Ohio's Evaluation & Assessment Center for Mathematics and Science Education.

Kahle, J. B., Li, Y., & Scantlebury, K. (2009). *University of Pennsylvania Science Teacher Institutes – 2009*. Oxford, OH: Miami University, Evaluation & Assessment Center for Mathematics and Science Education.

Kahle, J. B. & Li, Y. (2009). *Research Experiences to Enhance Learning: Year 4, 2008-2009 Annual Report*. Oxford, OH: Miami University, Ohio's Evaluation & Assessment Center for Mathematics and Science Education.

Scantlebury, K., Li, Y., & Woodruff, S. B. (2009). *Evaluation of CASPiE: Academic Year 2007-2008*. Oxford, OH: Miami University, Ohio's Evaluation & Assessment Center for Mathematics and Science Education.

Kahle, J. B., & Li, Y. (2009). *The Mathematics Science Partnership in New York City (MSPinNYC), City University of New York – Year 5*. Oxford, OH: Miami University, Ohio's Evaluation & Assessment Center for Mathematics and Science Education.

- Woodruff, S. B., Morio, K. L., & Li, Y. (2009). Evaluation of Beyond Penguins and Polar Bears: Integrating Literacy and IPY in the K-5 Classroom. Oxford, OH: Miami University, Ohio's Evaluation & Assessment Center for Mathematics and Science Education.
- Woodruff, S. B., Morio, K. L., & Li, Y. (2009). Evaluation of ADVANCE: Purdue Center for Faculty Success. Oxford, OH: Miami University, Ohio's Evaluation & Assessment Center for Mathematics and Science Education.
- Kahle, J.B., Li, Y., Marks, P.A., McFaddin, J. (2008). University of Pennsylvania's Master of Science in Chemistry Education (MCE) Project: A Follow-Up Report. Unpublished manuscript, Oxford, OH: Miami University, Ohio's Evaluation & Assessment Center for Mathematics and Science Education.
- Kahle, J. B., Scantlebury, K., & Li, Y. (2008). University of Pennsylvania Science Teacher Institutes – Year 4. Oxford, OH: Miami University, Evaluation & Assessment Center for Mathematics and Science Education.
- Kahle, J. B., Scantlebury, K., & Li, Y. (2008). Evaluation of CASPiE: Academic Year 2006 2007. Oxford, OH: Miami University, Ohio's Evaluation & Assessment Center for Mathematics and Science Education.
- Kahle, J. B., Li, Y., & McFaddin, J. (2008). Research Experiences to Enhance Learning: Year 3, 2007 Annual Report. Oxford, OH: Miami University, Ohio's Evaluation & Assessment Center for Mathematics and Science Education.
- Kahle, J. B., & Li, Y. (2008). The Mathematics Science Partnership in New York City (MSPinNYC), City University of New York – Year 4. Oxford, OH: Miami University, Ohio's Evaluation & Assessment Center for Mathematics and Science Education.
- McFaddin, J., Li, Y., Morio, K. A., and Kahle, J.B. (2008). Evaluation of Edgewood City School District's 5-Year Strategic Plan Academic Year 2007-2008. Oxford, OH: Miami University, Ohio's Evaluation & Assessment Center for Mathematics and Science Education.
- Kahle, J. B., Scantlebury, K., & Li, Y. (2007). University of Pennsylvania Science Teacher Institutes – Year 3. Oxford, OH: Miami University, Evaluation & Assessment Center for Mathematics and Science Education.

PROFESSIONAL REVIEW AND ADVISORY

Aug. 2019 Reviewer for *Children, Youth and Environments*

Manuscript: "And it made me feel good inside:" Effects of an outdoor nature school on four developmental domains

Apr. 2017 Peer Reviewer for 2017 American Evaluation Association Annual Conference

Apr. 2016 Peer Reviewer for 2016 American Evaluation Association Annual Conference

PROFESSIONAL AFFILIATIONS

American Educational Research Association (AERA)

American Evaluation Association (AEA)

Center for Culturally Responsive Evaluation & Assessment (CREA)

Ohio Education Research Center (OERC)

Ohio Program Evaluator's Group (OPEG)

Midwestern Educational Research Association (MWERA)

National Association for Research in Science Teaching (NARST)

COLLEGIATE TEACHING

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