JIANWEI LI

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H-Index = 30 i10-index = 42

EDUCATION

Ph.D. 2009. Duke University Nicholas School of The Environment, Durham NC
B.S. 2001. China Agricultural University, Beijing, China.

ACADEMIC POSITIONS

07/2020 – present. *Associate Professor*, Dept. of Agricultural and Environmental Sciences, Tennessee State University (TSU).
07/2014 – 06/2020. *Assistant Professor*, Dept. of Agricultural and Environmental Sciences, Tennessee State University (TSU).
06/2015 – 08/2015; 06/2016 – 08/2016. Visiting Faculty, Climate Change Science Institute, Environmental Science Division, Oak Ridge National Laboratory
05/2012 – 06/2014. *Postdoctoral Fellow*, Dept. of Plant Biology and Microbiology, University of Oklahoma, Norman, OK.
02/2010 – 04/2010. *Visiting Scientist*, Memorial University of Newfoundland, St Johns, Canada
05/2009 – 04/2012. *Postdoctoral Fellow*, Dept. Ecology and Evolutionary Biology, University of Kansas (KU), Lawrence, KS.
08/2003 – 05/2009. *Graduate Research and Teaching Assistant*, Nicholas School of The Environment, Duke University, Durham, NC.
07/2001 – 07/2003.*Research Technician*, Soil and Fertilizer Institute, Chinese Academy of Agriculture Sciences (CAAS), Beijing, China

RESEARCH AREA AND FOCUS

Since July 2014, I have successfully built an interdisciplinary research program in Climate Change and Soil Biogeochemistry at Tennessee State University (TSU). The program promoted climate change research, science education, and leadership development among minority students. I have acquired extramural funding of up to **$12.1** million in total from USDA, NSF, and DOE and **$2.4** million worth of projects as the principal investigator (PI). I have published more than **60** peer-reviewed articles in top notched and my work has received **> 4,000** citations with an h-index of **30**; I gave invited guest lectures and professional talks and established strong collaborations with high-caliber scholars in the United Kingdom, China, Germany, and the US; I have served as associate editor, editorial board member, and special issue guest editor in several international journals, as ad hoc reviewer for **> 35** international journals and as a proposal review panelist for DOE, USDA, NSF, and EPA. I supervised **51** young scholars ranging from postdoctoral researchers, graduate, and undergraduate students to international visiting scientists, representing a range of diversity in race, color, and gender, and these scholars are equipped with the knowledge to advance climate science

and propelled to work as ecological frontline workers in climate change mitigation and adaptation in different countries and regions.

My research seeks to understand how climate change factors alter microbial processes and the degree to which these changes affect long-term carbon and nutrient cycling in soils and terrestrial ecosystems (e.g., bioenergy cropland). My interdisciplinary research integrates field and laboratory observations as well as data assimilation and deep learning approaches to address questions that intersect external disturbances and terrestrial biogeochemical cycles. My current research projects focus on (1) thermal variations, precipitation, and nitrogen fertilization on mineralization of soil organic matter in bioenergy croplands; (2) spectroscopic screening soil extracellular oxidative activities; (3) assimilating long-term field and incubation data with mechanistic models to improve soil model predictions in response to climate change; (4) urban pavement crevice soil and biogeochemistry; and (5) engagement of minority community members in climate leadership skill development (e.g., climate science and outreach, international environmental diplomacy and climate negotiation).

AWARD AND HONOR

2025 Bridge Scholar (Mr. Aviyan Pandey) by the Agronomic Science Foundation and the American Society of Agronomy, Crop Science Society of America, and Soil Science Society of America (as the Master student recipient's major advisor and referee)

2025 Third place (Mr. Aviyan Pandey), three-minute thesis (3MT) competition at the College of Agriculture, TSU (as the Master student recipient's major advisor)

2025 First place (Mr. Matthew Manu), three-minute thesis (3MT) competition at the College of Agriculture, TSU (as the Ph.D. student recipient's major advisor)

2024 Third place (Mr. Matthew Manu), three-minute thesis (3MT) competition at the College of Agriculture, TSU (as the Ph.D. student recipient's major advisor)

2024 Outstanding Graduate Student Mentor Award at the College of Agriculture, Tennessee State University

2023 Awarded Certificate of Climate Law and Governance at Cambridge University and University of Dubai

2023 Outstanding Researcher Faculty Award at the College of Agriculture, Tennessee State University

2020 Awarded Certificate of Recognition of *Platinum Level Scholar* at Tennessee State University

2020 Awarded Certificate of Climate Change and Health at Yale School of Public Health, Yale University

2019 Outstanding Young Researcher Award at the College of Agriculture, Tennessee State University

2015, 2016 Awarded Visiting Faculty at Oak Ridge National Laboratory Department Of Energy (DOE)

2016 First Place in Graduate Student Oral Presentations in 38th University-wide Research Symposium at TSU (as two student awardees' major advisor)

2010 Outstanding Service to Sino-Ecologists Association Overseas

2009 Oosting Student Fellow for Henry J. Oosting Memorial Lecture, Duke University

RESEARCH FUNDING ($12,161,062 IN TOTAL, PI $2,362,194 SINCE 2014)

#19 Acquisition of Li-7820-8250 Automated Soil N_2O Flux System for Strengthening

Climate-Smart Research and Education at Tennessee State University. USDA-NIFA. **Co-PI** with R Thapa (PI). US Department of Agriculture. $$367,455 Project duration 09/15/2024-09/15/2028.

#18 Capacity Building of Irrigation Systems Engineering and Precision Water Management for Sustainable Agriculture at Tennessee. USDA NIFA CBG. **Co-PI** with Dr. B. Molaei (PI). $599,842.00, Project duration 10/01/2024-09/30/2027.

#17 Monitoring soil health indicators in conventional and conservational corn production systems in central Tennessee. Tennessee Corn Promotion Board. $15,000. **Co-PI** with
K Bhandari. Project duration 1/1/2025-12/31/2025.

#16 To formalize core programmatic components that facilitate graduate pathways in the earth sciences between Tennessee State University and Vanderbilt University. Alfred P. Sloan Foundation. $249,990.00, **Co-PI** with Dr. B. Pokharel (PI). Project duration 1/1/2025-12/31/2027.

#15 Mechanisms and drivers of soil organic carbon (SOC) storage and nitrogen (N) recycling within climate-smart agricultural systems. **Co-PI** with R Thapa (PI). US Department of Agriculture. $299,999, Project duration 09/15/2024-09/15/2026.

#14 Climate Smart Fiber Hemp: A Versatile Thread Connecting the Nation's Underserved Farmers, Climate Change Mitigation and Novel Market Opportunities. **Co-PI** with E Omondi (PI). US Department of Agriculture. $4,972,898, Project duration 8/2023-7/2028.

#13 Collaborative Research: GP-GO: Climate Leaders Academy: a professional development opportunity in the geosciences. **Co-PI** with Leah Dundon (PI, Vanderbilt University). National Science Foundation. $2,043,895 (TSU $323,646), Project duration 01/01/2023-12/31/2025

#12 On Improvement of Soil Organic Carbon Modeling and Simulation via Integrated Deep Learning and Data Assimilation Approaches. **PI** with M Mayes and F Hoffman (Co-PIs). US Department of Energy (DOE), Research Development and Partnership Pilot (RDPP), $149,902, Project duration 09/01/2022-06/01/2026

#11 Enhancing Crop Productivity and Reducing Nitrous Oxide Emissions in Corn and Soybean Cropping Systems. **Co-PI** with D Hui (PI) at TSU. US Department of Agriculture Capacity Building Grant Program, $502,853, Project duration 06/01/2022 – 05/31/2025

#10 Mechanistic prediction of soil microbial response to temperature change and nitrogen fertilizer. **PI,** USDA-NIFA, $500,000, Project duration 09/01/2021 – 08/31/2026

#9 Microbial Communities in a Long-Term Agro-Ecosystem Research (LTAR) Aspirational Grazing System, 1890s Faculty Research Sabbatical Program, **PI**, USDA-ARS, $124,850 (TSU $114,850; ARS host $10,000), Projection duration 09/01/2019 – 09/30/2022

#8 Excellence in Research: mechanistic prediction of soil microbial response to temperature change. **PI,** NSF-HBCU UP, $1,118,709, Project duration 06/01/2019 – 05/31/2024

#7 MRI: Acquisition of Gas Analyzers to Strengthen Multidisciplinary Research and Education at Tennessee State University. **Co-PI** with D Hui (PI) at TSU. National Science Foundation, $199,460, Project duration 06/01/2019 – 05/31/2022

#6 Experimentally assessing and modeling thermal variations on the mineralization of soil organic carbon in agro-ecosystems. **PI,** USDA-NIFA Evans Allen Grant, $21,000, Project duration 10/01/2018 – 09/31/2021

#5 Transgenerational adaptation of plants to acidic pH and toxic metals in soil. **Co-PI** with S Zhou (PI) at TSU, USDA-NIFA Capacity Building Grant, $499,999, Project duration 09/01//2018 – 08/31/2021

#4 Evaluation and Improvement of Microbial-Enzyme Mediated Model Against Multiple Soil Incubation Experiments. **PI,** Subcontract with ORNL DOE, $103,257, Project duration 01/17/2017 – 08/31/2020

#3 Targeted Infusion Project-Academic Enhancement of Biology, Ecology and Environmental Sciences Programs at Tennessee State University. **Co-PI** with D Hui (PI) at TSU. National Science Foundation-HBCU-UP, $370,953, Project duration 09/01/2016 – 08/31/2019

#2 An Enhanced Study of Climate Warming on Soil Organic Carbon Using An Integrated Model-Data Approach. **PI.** USDA-NIFA Evans-Allen Grant, $21,000, Project duration 01/18/2016 – 01/17/2019

#1 Exploratory Study of Laccase Gene Responses to Climate Warming Along a Boreal Climate Transect in Eastern Canada. **Co-PI** and postdoc participant with SA Billings (PI) at KU. Humber River Basin Project Newfoundland and Labrador, Canada, $200,000, Project duration 05/01/2009 – 03/31/2012

TRAVEL AWARD

#3 US early career young scientist travel award- Enzymes in the Environment, $1825. 2011

#2 International travel award, 6th BIOGEOMON, $500, 2009

#1 Critical Zone Exploration Network (CZEN) Workshop travel award, $1000, 10/2005

PUBLICATIONS (61 PEER-REVIEWED, *35* FIRST- OR CORRESPONDING-AUTHORED, *25* CO-AUTHORED, 1 BOOK CHAPTER; 4 NON-PEER REVIEWED, 4 UNDER REVIEW OR REVISION)

(* indicates corresponding author; *Italics* indicate students or post-docs working under my supervision)

*First author or corresponding author (**35 in total, 15 since 2020**)*

#35 *Manu M, L Gamage, A Pandey,* and **J Li***. 2025. Determination of carbon and microbial biomass amounts in neglected urban pavement crevice soils. ***Science of the Total Environment*** 1006: 180921

#34 *Pandey A, L Gamage, M Manu, X Wang, J Alford,* S Zhou, J de Koff, D Hui, and **J Li***. 2025. Interactive Effects of Warming and Nitrogen Fertilization on Soil Organic Carbon, Total Nitrogen, Soil Respiration, and Microbial Activities in A Switchgrass Cropland in Middle Tennessee. ***Global Change Biology Bioenergy.*** In Press.

#33 **J Li***., *L. Gamage*, *S. Jian*, *X. Wang*, *J. Alford*, *M. Manu*, *A. Pandey*, J. de Koff, D. Hui, and P. A. Fay. 2025. Experimental Warming Effects on Soil Respiration, Microbial Abundance, and Extracellular Enzyme Activities in a Switchgrass Cropland in Middle Tennessee. ***Global Change Biology Bioenergy*** 17:e70066.

#32 *M Manu*, **J Li***. 2025. Urban pavement crevices as microhabitats: soil properties and spontaneous vegetation in roadside environments. ***International Journal of Sustainable Development & World Ecology*** 32:687-699.

#31 **J Li***, *X Wang*, *S Jian*, *L Gamage*, D Hui, PA Fay. 2025. Effects of nitrogen fertilization and bioenergy crop type on spatial distributions of extracellular hydrolases associated with nitrogen and phosphorus acquisition. ***Scientific Reports*** 15 (1), 256912025.

#30 H Wang, *L Gamage*, **J Li***, H Wei*. Field-deployable measurement of soil extracellular enzyme activity using surface-enhanced Raman spectroscopy. ***Environmental Science: Nano*** 12, 3468-3475.

#29 *Jian S*, **Li J*,** Wang G, Zhou J, Schadt C, and Mayes M. 2024. Generalizing Microbial Parameters in Soil Biogeochemical Models: Insights from a Multi-Site Incubation Experiment. ***Journal of Geophysical Research: Biogeosciences***. 129(4).

#28 *Wei D*, *Parajuli M*, *Jian S*, Hui D, Fay P, and **Li J***. 2024. Effects of precipitation changes on soil heterotrophic respiration and microbial activities in a switchgrass mesocosm experiment. ***European Journal of Soil Biology*** 120:103602.

#27 **Li J*,** *Areeveso P*, *Wang X*, *Jian S*, *Gamage L* (2022). Simulating Temperature in a Soil Incubation Experiment. ***Journal of Visualized Experiments.*** JoVE:e64081.

#26 *Wang X*, *S Jian*, *L Gamage* and **J Li***. 2022. Effect of nitrogen fertilization on central tendency and spatial heterogeneity of soil moisture, pH, dissolved organic carbon and nitrogen in two bioenergy croplands. ***Journal of Plant Nutrition and Soil Science***. 1–15. https://doi.org/10.1002/jpln.202100311.

#25 *Duan J*, *M Yuan*, *S Jian*, *L Gamage*, *M Parajuli*, K Dzantor, D Hui, P Fay, and **J Li***. 2021. Soil extracellular oxidases mediated nitrogen fertilization effects on soil organic carbon sequestration in bioenergy croplands. ***Global Change Biology Bioenergy*** 3(8): 1303-1318.

#24 *Jian SY*, **J Li***, Wang G, Kluber L, Schadt C, Liang J, Mayes M. 2020. Multiple-year incubation experiments boost confidence in model projections of long-term soil carbon dynamics. ***Nature Communications*** 11(1): 5864

#23 *Yuan M*, *J Duan*, **J Li***, *Jian SY*, *Gamage L*, ED Dzantor, D Hui and Fay P. 2020. Effects of nitrogen fertilization and bioenergy crop species on central tendency and spatial heterogeneity of soil glycosidase activities. ***Scientific Reports.*** 10(1):19681.

#22 **Li J**, *S Jian*, C Lane, Y Lu, X He, M Mayes, K Dzantor, D Hui. 2020. Effects of nitrogen fertilization and bioenergy crop type on topsoil organic carbon and total nitrogen contents in Middle Tennessee USA. ***Plos ONE*** 15:e0230688

#21 **Li J**, *S Jian*, C Lane, *C Guo*, Y Lu, Q Deng, M Mayes, K Dzantor, D Hui. 2020. Nitrogen fertilization restructured spatial patterns of soil organic carbon and total nitrogen in switchgrass and gamagrass croplands in Tennessee USA. ***Scientific Reports*** 8:1211.

#20 **Li, J**. Sampling Soils in a Heterogeneous Research Plot. 2019. ***Journal of Visualized Experiments***, (143), e58519, doi:10.3791/58519 (2019). Video link: https://www.jove.com/t/58519/sampling-soils-in-a-heterogeneous-research-plot

#19 **Li, J**, GS Wang, M Mayes, SD Allison, S Frey, S Zheng, XM Hu, YQ Luo, J

Melillo. 2018. Reduced carbon use efficiency and increased microbial turnover with soil warming. ***Global Change Biology*** 25: 900-910.

#18 Chen J, YQ Luo, P Palacios, J Cao, M Dacal, X Zhou, **J Li***, J Xia, S Niu, H Yang, S Shelton, W Guo, KJV Groenigen. 2018. Differential responses of cellulase and ligninase activities to warming: implications for soil respiration. ***Global Change Biology*** 24: 4816-4826.

#17 **Li J**, *S Jian*, J de Koff, C Lane, G Wang, M Mayes, D Hui. 2018. Differential effects of nitrogen fertilization and warming on soil respiration and microbial dynamics in switchgrass croplands. ***Global Change Biology Bioenergy*** 10:565-576.

#16 Dong W, A Song, X Liu, B Yu, B Wang, Y Lu, Y Li, H Yin, **J Li***. F Fan. 2018. Warming differentially altered multidimensional soil legacy induced by past land use history. ***Scientific Reports*** 8: 1546.

#15 *Liang F*, **J Li***, S Zhang, H Gao, B Wang, X Shi, S Huang, MG Xu. 2018. Two-decade long fertilization induced changes in subsurface soil organic carbon stock vary with indigenous site characteristics. ***Geoderma.*** 337:853-862.

#14 **Li J**. *CL Guo, SY Jian*, C Yu, Q Deng, ED Dzantor and D Hui. 2017. Nitrogen fertilization elevated spatial heterogeneity of soil microbial biomass carbon and nitrogen in Switchgrass and Gammagrass croplands. ***Scientific Reports*** 8:1734.

#13 *Liang F*, **J Li***, SM Huang, XY Yang, ZJ Cai, X Cui, MG Xu. 2016. Three-decade long fertilization induced soil organic carbon sequestration depends on edaphic characteristics in six typical croplands. ***Scientific Reports*** 6, 30350.

#12 *Jian SY*, **J Li***, Chen J, Wang G, Mayes M, EK Dzantor, Hui D, Luo Y. 2016. Soil extracellular enzyme activities, soil carbon and nitrogen storage under nitrogen fertilization: a meta-analysis***. Soil Biology and Biochemistry*** 101: 32-43.

#11 Chen J, YQ Luo, **J Li***, XH Zhou, J Cao, R Wang, Y Wang, S, Shelton, Z Jin, L Walker, Z Feng, S Niu, W Feng, *S Jian* and L Zhou. 2016. Co-stimulation of soil glycosidase activities and soil respiration by nitrogen addition. ***Global Change Biology*** 23: 1328-1337.

#10 **Li J,** GS Wang. SD Allison. MA Mayes. YQ Luo. 2014. Soil carbon sensitivity to temperature and carbon use efficiency compared across microbial-ecosystem models of varying complexity. ***Biogeochemistry*** 119:67-84.

#9 *Xie HT*, **J Li***, B Zhang, L Wang, J Wang, H He, X Zhang. 2015. Long-term manure amendments reduced soil aggregate stability via redistribution of the glomalin-related soil protein in macroaggregates. ***Scientific Reports*** 5, 14687; doi:10.1038/srep14687.

#7 **Li J**, YQ Luo, S Natali, EA Schuur, J Xia, Eva Kowalczyk, YP Wang. 2014. Modeling ecosystem carbon cycle and permafrost thaw under annual and seasonal warming at a tundra site in Alaska. ***Journal of Geophysical Research: Biogeosciences***. 119 (6): 2013JG002569.

#6 *Xie HT*, **J Li***, P Zhu, P Chang, JK Wang, HB He, XD Zhang. 2014. Long-term manure amendments enhance neutral sugar accumulation in bulk soil and particulate organic matter in a Mollisol. ***Soil Biology and Biochemistry*** 78:45–53.

#5 **Li J**, SE. Ziegler, CS. Lane, SA Billings. 2013. Legacies of native climate regime govern the responses of boreal soil microbes to litter stoichiometry and temperature. ***Soil Biology and Biochemistry*** 66(0): 204-213.

#4 **Li J**, SE. Ziegler, CS. Lane, SA Billings. 2012. Warming-enhanced preferential microbial mineralization of humified boreal soil organic matter: interpretation of soil

profiles along a climate transect using laboratory incubation. ***Journal of Geophysical Research: Biogeosciences*** 117(G2): G02008.

#3 **Li J**, DD. Richter. 2012. Effects of two-century land use changes on soil iron crystallinity and accumulation in Southeastern Piedmont region, USA, ***Geoderma*** 173-174: 184-191.

#2 **Li J**, DD Richter, A Mendoza, PR Heine. 2010. Effects of land-use history on soil spatial heterogeneity of macro- and trace elements in the Southern Piedmont USA, ***Geoderma*** 156: 60-73.

#1 **Li J**, DD Richter, A Mendoza, PR Heine. 2008. Four-decade responses of soil trace elements to an aggrading old-field forest: B, Mn, Zn, Cu and Fe. ***Ecology*** 89(10): 2911–2923.

*Co-authored publications (**25 in total, 8 since 2020**)*

#25 Zhou J, Yang Z, Liu J, Zhang Q, Liu X, Chen S, Xiong D, Xu C, Zheng Y, Zheng W, Yuan X, Huang S, Ren Z, **Li J**, Sardans J, Penuelas J, and Yang Y. 2025. Depth-dependent responses of soil organic carbon fractions to three-year warming in subtropical forests. ***Gerderma*** 464: 117631

#24 Kasrija L, D Hui*. A Ray, W Ren, L Wang, P Fay, D Smith, **J Li**, P Illukpitiya, and H Tian. 2025. Mega-Analysis of No-Tillage and Reduced Tillage Impacts on Crop Yields and Greenhouse Gas Emissions. ***Field Crops Research*** 334: 110167.

#23 Kieffer C, Kaur N, **Li J**, Matamala R, Fay P, and Hui D. 2024. Photosynthetic responses of switchgrass to light and CO2 under different precipitation treatments. ***Global Change Biology Bioenergy*** **16**:e13138.

#22 Kieffer C, Hui D, Matamala R, **Li J,** Tyler D, and E Dzantor. 2023. Evaluation of eastern gamagrass as dual-purpose complementary bioenergy and forage feedstock to switchgrass. ***Global Change Biology Bioenergy***, 15, 776– 790.

#21 Dhakal K, Parajuli M, Jian S, **Li J,** and Nandwani D (2022). Responses of soil heterotrophic respiration and microbial biomass to organic and conventional production systems. ***Front. Soil Sci.*** 2:999139.

#20 Jia S, X Liu, W Lin, Y Zheng, **J Li**, D Hui and J Guo. 2021. Decreased glomalin-related soil protein with nitrogen deposition in a 3-year-old Cunninghamia lanceolata plantation. ***Journal of Soils and Sediments*** 22(3): 931-941.

#19 Dong W, Song A, Yin H, Liu X, **Li J**, Fan F. 2021. Decomposition of microbial necromass is divergent at the individual taxonomic level in soil. ***Front. Microbiol***. 12: 679793. doi:10.3389/fmicb.2021.679793

#18 Guo C, Fang X, Wang S, **Li J** & Chen F*. 2021. Navel Orange Fine Root Nutrient Content and Rhizosphere Effects Varied with Tree Ages and Soil Depths in a Hilly Red Soil Region of China, ***Acta Agriculturae Scandinavica***, Section B — Soil & Plant Science, 71(8): 696-705.

#17. Nazia, R., F. Liang, S. Huang, B. Wang, M. Xu, **J. Li,** H. Gao, and W. Zhang. 2019. Long-Term Fertilization Altered Labile Soil Organic Carbon Fractions in Upland Soils of China. ***Journal of Animal and Plant Sciences*** 29:1383-1389.

#16 Hui D, CL Yu, Q Deng, S Jian, **J Li**, DE. Dzantor. 2019. Effects of fly ash application on plant biomass and element accumulations in a meta-analysis. ***Environmental Pollution*** 250:137-142.

#15 Chen, S., Y. Lu, P. Dash, P. Das, **J. Li**, K. Capps, H. Majidzadeh, and M. Elliott. 2019. Hurricane pulses: Small watershed exports of dissolved nutrients and organic

matter during large storms in the Southeastern USA. ***Science of the Total Environment*** 689:232-244

#14 Xia J, Niu S, Ciais P, Janssens I, Chen J, Ammann C, Arain A, Blanken PD, Cescatti A, Bonal D, Buchmann N, Curtis PS, Chen S, Dong J, Flanagan LB, Frankenberg C, Georgiadis T, Gough CM, Hui D, Kiely G, **Li J**, Lund M, Magliulo V, Marcolla B, Merbold L, Montagnani L, Moors E, Olesen JE, Piao S, Raschi A, Roupsard O, Suyker AE, Urbaniak M, Vaccari FP, Varlagin A, Vesala T, Wilkinson M, Weng E, Wohlfahrt G, Yan L, Luo Y. 2015. Joint control of terrestrial gross primary productivity by plant phenology and physiology. ***Proceedings of the National Academy of Sciences*** 112(9): 2788-2793.

#13 Si HW, C Lai, T LeRoith, D Liu, L Parnell, J Ordovas, **J Li**, H Si, Y Long, L Zhang, X Wang, T Ansum. 2018. Dietary epicatechin improves survival and delays skeletal muscle degeneration in aged mice. ***Federation of American Societies for Experimental Biology (FASEB)***. The FASEB Journal 0:fj.201800554RR.

#12 Smith G, A Reginald, D Nandwani, **J Li.** 2017. Impacts on urbanization: diversity and the symbiotic relationships of rural, urban, and spaces in-between. International ***Journal of Sustainable Development & World Ecology (TSDW) 25***(3): 276-289.

#11 *He YT*, MG Xu, Y Qi, Y Dong, X He, **J Li**, X Liu, L Sun. 2017. Differential responses of soil microbial community to four-decade long grazing and cultivation in a semi-arid grassland. ***Sustainability*** 9(1): 128.

#10 Hu N, H Li, Z Tang, Z Li, J Tian, Y Lou, **J Li**, G Li, X Hu. 2016. Community diversity, structure and carbon footprint of nematode food web following reforestation on degraded Karst soil. ***Scientific Reports*** 6, 28138.

#9 Zhang WJ, KL Liu, JZ Wang, XF Shao, MG Xu, **J Li**, XJ Wang, D Murphy. Relative contribution of maize and external manure amendment to soil carbon sequestration in a long-term intensive maize cropping system. 2015. ***Scientific Reports*** 5, 10791

#8 Niu SL YQ Luo, MC Dietze, T Keenan, Z Shi, **J Li**, FS Chapin III. 2014. The role of data assimilation in predictive ecology. ***Ecosphere*** 5(5): art65.

#7 Zhang XB, LH Wu, N Sun, XS Ding, **J Li**, BR Wang DC Li. 2014. Soil CO2 and N2O emissions in Maize growing season under different fertilizer regimes in an upland red soil region of South China. ***Journal of Integrative Agriculture***. 13(3):604-614.

#6 Niu SL, YQ Luo, DJ Li, SH Cao, JY Xia, **J Li**, M Smith. 2014. Plant growth and mortality under climatic extremes: an overview. ***Environmental and Experimental Botany*** 98(0): 13-19.

#5 Meng HQ, MG Xu, JL LV, XH He, **J Li**, XJ Shi, C Peng, BR Wang, HM Zhang. 2013. Soil pH dynamics and nitrogen transformations under long-term chemical fertilization in four typical Chinese croplands. ***Journal of Integrative Agriculture*** 12(11):2092–2102

#4 DJ Li, C Schädel, ML Haddix, EA. Paul, R Conant, **J Li**, JZ Zhou, YQ Luo, 2013. Differential responses of soil organic carbon fractions to warming: results from an analysis with data assimilation, ***Soil Biology and Biochemistry*** 67(0): 24-30.

#3 Ziegler, S. E., S. A. Billings, CS. Lane, **J Li**, ML. Fogel. 2013. Warming alters routing of labile and slower-turnover carbon through distinct microbial groups in boreal forest organic soils." ***Soil Biology and Biochemistry*** 60(0): 23-32.

#2 *Zhang ZM*, X Yu, S Qian, **J Li**. 2009. Spatial variability of soil nitrogen and

phosphorus of a mixed forest ecosystem in Beijing, China. ***Environmental Earth Sciences*** 60(8): 1783-1792.

#1 Richter DD, HL Allen, **J Li**, D Markewitz, and J Raikes. 2006. Bioavailability of slowly cycling soil phosphorus: major restructuring of soil P fractions over four decades in an aggrading forest. ***Oecologia*** 150(2): 259-271.

*Book chapter (**1**)*

#1 Richter DD, Bacon AR, Billings SA, Binkley DB, Callaham, MA, Curry AE, Fimmen RL, Grandy AS, Heine PR, Hofmockel M, Jackson JA, Lemaster E, **Li, J**, Markewitz D, Mobley ML, Morrison MW, Strickland MS, Waldrop T, and Wells CG. 2014. Evolution of a half-century of soil and ecosystem research at the Calhoun Experimental Forest, in Research for the Long-Term: The interplay of societal need and research on USDA Forest Service Experimental Forests and Ranges. D.C. Hayes, S. Stout, A. Hoover, and R. Crawford (eds). Springer Verlag, NY.

*Non-peer-reviewed publications (**4 in total, 3 since 2020**)*

#4 K Brewer, A Conway-Anderson, S Place, and **J Li**. 2025. Integrated Crop-Livestock Report. Science for Climate Smart Conservation Practice Standards. NRCS, USDA.

#3 B Basso, A Cates, **J Li**, K Brewer, and L Tiemann. 2025. Soil Health Technical Report. Science for Climate Smart Conservation Practice Standards. NRCS, USDA.

#2 K Eugene, L Jan, S Courtney, and J Erin. 2023. National Climate Change Roadmap: A Research Framework for U.S. Agriculture, Forestry, and Working Lands. https://doi.org/10.25675/10217/237190 (**Li, J** was acknowledged as one of the working group members).

#1 **Li J**. Suggestions to optimize the agricultural nutrient management in China. 2009. SINO-ECO Newsletter 22 (2) 8. *http://www.sino-eco.org/pdf/Sino-eco_Newsletter_December_2009.pdf*

*Under review (**4**)*

#4 Liu P, J Zhou, C Freeman, M Megharaj, K Min, L Fang, G Wang, L Elsgaard, N Fanin, H Kang, Ti Mori, **J Li**, DL. Moorhead, Y Cui, Y Li, D Wang, Z Jin, X Shi, J Chen. 2025. The responses of microbial extracellular enzyme activities to soil sample storage conditions across different soil types. ***Catena***.

#3 Zheng X, Wang GS, Frey SD, **Li J*,** and Huo Y*. 2025. DeepMe: AI-driven Deep Microbial–enzyme Modeling to Forecast Soil CO2 Flux under Warming at Harvard Forest. ***Journal of Advances in Modeling Earth Systems.***

#2 Gamage L, J Alford, X Wang, B Pokharel, R Browning, D Hui, and **J Li*.** 2025. Impacts of Heat Wave Events on Heterotrophic Respiration and Soil Microbial Functions in Switchgrass and Animal Farm Soils in Middle Tennessee. ***Soil Biology and Biochemistry***.

#1 Tamang D, Y Chen*, D Young, D Hui, **J Li,** B Pokharel, S Neumann, S Day, E Kuehler, R Pouyat, X Li, and C Wang. 2025. A Systematic Review of the Influence of Urban Soil Management Practices on Soil Properties, Tree Growth, and Long-term Ecosystem Services. ***Arboriculture & Urban Forestry.*** Under Revision.

IN THE NEWS

#6 08/25/2022. Interview by ***WKRN-TV***

(https://www.wkrn.com/news/local-news/nashville/climate-experts-make-proposal-for-weather-sensors-in-nashville?utm_source=wkrn_app&utm_medium=social&utm_content=share-link)
#5 07/17/2019. Appeared in ***Farm World*** (http://www.farmworldonline.com/News/NewsArticle.asp?newsid=24332)
#4 06/13/2019. Appeared in The ***Tennessee Star*** (https://tennesseestar.com/2019/06/13/tennessee-state-university-gets-1-million-in-taxpayer-money-to-study-climate-change/)
#3 06/11/2019. Appeared in the ***Associated Press (AP)*** and > 20 online news outlets (https://www.apnews.com/2b7de613003d419da0378d8fe70f1194)
#2 06/06/2019. Featured in the ***Tennessee State University Newsroom*** (http://tnstatenewsroom.com/archives/tag/dr-jianwei-li)
#1 09/27/2017. "Climate change impact on your plate" reported in ***Vanderbilt Political Review*** (http://vanderbiltpoliticalreview.com/climate-changes-impact-on-your-plate/).

TEACHING

Tennessee State University (TSU)
Fall 2025, 2024, 2022, 2021, Spring 2019, Climate Change
Spring 2025, Doctoral Seminar in Agricultural Sciences I/II, Guest lecture
Spring 2024, Doctoral Seminar in Agricultural Sciences I/II
Fall 2022, Environmental Issues & Sustainability, Guest lecture
Fall 2020, 2018, 2017,2016, Environmental Issues & Sustainability
Spring 2020, 2018, Fundamentals of Environmental Sciences II
Fall 2015, Fundamentals of Environmental Sciences
Fall 2022, 2020, Research Methods, Guest lecture
Fall 2019, Sustainable Crop Production, Guest lecture
Fall 2019, Spring 2019, Fundamentals of Environmental Sciences I, Guest lecture
Fall 2018, 2017, 2016, Ecosystem Science and Management, Guest lecture
Fall 2017, 2016, Landscape Plants and Designs, Guest lecture
Vanderbilt University (VU)
Fall 2019, Climate Change and the Global Response, Guest lecture
Duke University (Duke)
Fall 2008, 2007, 2006, Fall 2004, Soil Resources, Teaching Assistant
Spring 2005, Fire Ecology and Management, Teaching Assistant
Fall 2003, Spring 2004, Fall 2005, Applied Regression Analysis, Teaching Assistant

POST-DOCS, GRADUATE AND UNDERGRADUATE STUDENTS, VISITING SCIENTISTS (TOTAL 51)

Research Associate (2)
#2 Lahiru Gamage, Postdoctoral Researcher, 2019-present
#1 Wei Dai, Postdoctoral Researcher, 2022-2023

Graduate student Advisee (31)
#31 Maia Payne, PhD student, 2025- (co-Advised)
#30 Yang Zhang, M.S. student, 2025- (co-Advised)

#29 *Maria Schutte*, M.S. student, 2025, (Climate Leadership Academy Fellow, TSU delegation at COP30)
#28 *Pooja Chaudhari*, M.S. student, 2025- (co-Advised)
#27 *Mukesh Chaudhary*, M.S. student, 2025- (co-Advised)
#26 *Monica Gaire*, M.S. student, 2025- (Chaired)
#25 *Diksha Tamang*, M.S. student, 2024-2025(co-Advised)
#24 *Matthew Manu*, PhD aspirant, 2024- (Chaired, TSU delegation at COP29 and COP30)
#23 *Jaekedah Christian*, PhD aspirant, 2024- (co-Advised)
#22 *La'quinta Hogan*, PhD aspirant, 2024- (Climate Leadership Academy Fellow, TSU delegation at COP29)
#21 *Aviyan Pandey*, M.S. student, 2024- (Chaired)
#20 *Dakennya Goines*, undergraduate student, 2023, (Climate Leadership Academy Fellow, TSU delegation at COP29)
#19 *Nirmal Thapa*, PhD aspirant, 2023- (co-advised; Climate Leadership Academy Fellow, TSU delegation at COP29)
#18 *Christina Kieffer*, Ph.D. student, 2020-2023 (completed, co-advised)
#17 *Christina Kieffer*, M.S. student, 2022-2023 (completed, Chaired)
#16 *Alford Jonathan*, M.S. aspirant, 2022-2024 (Chaired)
#15 *Navneet FNU*, M.S. aspirant, 2021-2022 (co-advised)
#14 *Xuehan Wang*, M.S. aspirant, 2021-2022 (Chaired)
#13 *Precious Fego Areeveso*, M.S. aspirant, 2020-2021 (Chaired)
#12 *Madhav Parajuli*, M.S. aspirant, 2018-2020 (completed, Chaired)
#11 *Christina Kieffer*, PhD student, 2020-present (co-advised)
#10 *Adrian Harris*, MS student, 2019-2021 (completed, co-advised)
#9 *Axel Gonzalez*, MS student, 2019-2021 (completed, co-advised)
#8 *Siyang Jian*, PhD aspirant, 2016-2020 (completed, Chaired)
#7 *Keshab Subedi*, PhD student, 2016-2017 (not completed, Chaired)
#6 *Vybhav Gopisetty*, MS, 2016-2018 (completed, co-advised)
#5 *Dayo Adeleke*, PhD aspirant, 2015-2020 (completed, co-advised)
#4 *Brian Wong*, MS student, 2015-2016 (not completed, co-advised)
#3 *Sherly Celada*, PhD student, 2015-2016 (not completed, Chaired)
#2 *Siyang Jian*, MS, 2014-2016 (completed, Chaired)
#1 *Demetrius Sudduth*, MS student, 2014-2015 (not completed, Chaired)

Undergraduate student advisee (13)
#13 *Blake Crawford*, undergraduate student, 2025, (undergraduate honor thesis advisor)
#12 *Asiah Sims*, undergraduate student, 2025, (Climate Leadership Academy Fellow, TSU delegation at COP30)
#12 *Shemicka Holt*, undergraduate student, 2023, (Climate Leadership Academy Fellow, TSU delegation at COP29)
#10 *Browen Swann*, undergraduate research assistant, 2022-2024
#9 *Kylan Clark*, undergraduate research assistant, 2022-2023
#8 *Naomi Von Bose*, undergraduate research assistant, 2022-2023
#7 *Jaila Winford*, undergraduate research assistant, 2020-2021
#6 *Christian Smith*, undergraduate research assistant, 2020-2021
#5 *Soroush Moghaddam*, undergraduate research assistant, 2019-2020

#4 Jahnari Edwards, undergraduate research assistant, 2019-2020
#3 Dilovan Yahya, undergraduate research assistant, 2019-2020
#2 Maggie Syversen, undergraduate research assistant, 2018-2019, (undergraduate honor thesis advisor)
#1 Tariq Mohammad, undergraduate research assistant, 2016-2017

Visiting Scholar (5)
#5 Mr. Jiacong Zhou, 2021-2022 (now researcher at Chinese Academy of Sciences)
#4 Mrs. Min Yuan, 2019-2020 (now Ph.D. candidate, the University of Alberta, Canada)
#3 Dr. Jianjun Duan, 2018-2019 (now Professor, Guizhou University, China)
#2 Dr. Chunlan Guo, 2016-2017 (now Professor, Jiangxi Agricultural University, China)
#1 Mr. Weijing Cheng, 2015-2016 (now senior lecturer, Shanghai University, China)

SYNERGISTIC ACTIVITIES

Editorial service

- 2024, Invited to handle manuscript reviews as an Editor for *PNAS*
- 2024 and 2021, Guest Editor for *Scientific Reports*
- 2022-present, Editorial Board Member, *Journal of Integrative Agriculture*
- 2021-present, Editorial Board Member, *Applied Soil Ecology*
- 2020-present, Associate Editor, *Journal of Plant Nutrition and Soil Science*
- 2015-present, Editorial Board Member, *Scientific Reports*

Panelist and working group

- 2025, TSU lead in the Global Sustainability Challenge (GSC) hosted by Stanford University
- 2023~2025, Organizing committee member of side events hosted by Climate Leader Academy (CLA) for the United Nations Framework Convention on Climate Change (UNFCCC)
- 2023~2025, Co-PI of the NSF-funded Climate Leader Academy (CLA) program and Co-lead of a cohort of 10-12 US students to attend COP28 (Dubai, UAE), COP29 (Baku, Azerbaijan), and COP30 (Belem, Brazil) hosted by the United Nations Framework Convention on Climate Change (UNFCCC)
- 06/2024~10/2025, Soil Carbon, Soil Health, and Integrated Cropland and Livestock (ICL) subgroup members of Conservation Practice Standards (CPS) Working Group, *USDA-NRCS*
- 06/2023, National Climate Change Roadmap Working Group, *USDA-NIFA*
- 05/2020, Invited panel presenter, Virtual Writing Workshop, Research and Sponsored Programs, Tennessee State University
- *2015*~2025, Review panel member for *DOE*, *USDA*, *NSF*, and *EPA*
- 2021-2025, Advisory member for the National Ecological Observatory Network (*NEON)* Terrestrial Biogeochemistry, Team Working Group (TWG)
- 2022, 2021, and 2018, Advisory member for the National Ecological Observatory Network (*NEON)* Ecological Forecasting, Team Working Group (TWG)

Review and Judge

- 2005-present, Ad hoc reviewer for > 35 journals including Nature Communications, Global Change Biology, Biogeochemistry, Soil Biology and Biochemistry, Fungal Ecology
- 10/2020, Judge for 4-H Public Speaking Contest at Tennessee State University
- 2018-2019, Judge of the Virtual Poster Showcase, American Geophysical Union Annual Meeting
- 2017—2019, Judge of the Poster and Oral presentations at the University-wide Annual Research Symposium at Tennessee State University

Search committee at TSU

- 2024-present, Environmental Science Departmental Seminar committee (Chair)
- 2019-2021, Outstanding Mentor Award Committee, Student Scholarship Committee in the College of Agriculture at Tennessee State University
- 2016-2018, Host of the weekly Climate Change, Biogeochemistry and Bioenergy (CCBB) journal club at the College of Agriculture, Tennessee State University
- 2024-2025, Faculty search committee chairs for the Associate Professor position in Soil Health at Tennessee State University
- 2022-2023, Faculty search committee chairs for the Assistant Professor position in Irrigation Engineering at Tennessee State University
- 2019, 2018, 2016, and 2015, Faculty search committee members for Assistant/Associate professor positions in GIS/RS, Soil Microbiology, and Ruminant Animal positions at Tennessee State University

Societal service

- 2024-present, Lead at TSU as an NGO Observer at the United Nations Framework of the Convention on Climate Change (UNFCCC)
- 2024-2026, Board member, Nashville Metro Wastewater Hearing Authority (WWHA)
- 02/2024, Event supervisor, TSU Science Olympiad Tournament
- 2019-2020, Speaking and demonstrating to >200 high school students in one year during local school visits at TSU
- 03/2017 and 03/2018, Speaking and demonstrating to state policymakers and lawmakers at TSU day in State Capital Hall Nashville TN
- 2025, 2024, 2023, and 2022, Participant and presenter at the Small Farm Expo and Small Farmer
- 08/2015, representing TSU faculty members during the visit of Dr. Arlene Garrison, Director of Oak Ridge Associated Universities (ORAU)
- 08/2015, Primary organizer of Organized Oral Session in 100th ESA annual meeting, Maryland, USA

PRESENTATIONS

Invited talks

12. 2025. Invited seminar speaker, Department of Chemistry, Tennessee Technological University, Cookeville, TN (Incoming talk scheduled on 12/05/2025)

02. 2025. Invited panelist in "Building workforce sustainability", Higher Education's Path to Sustainability and Resilience - workshop. The National Academies of Sciences, Engineering, and Medicine. Washington DC.

06. 2024. Invited speaker, The 4th International Symposium on Sustainable Agriculture for Subtropical Regions (ISSASR-4), Changsha, China
10. 2022. Invited seminar speaker, Department of Biology, Tennessee State University
07. 2022. Invited speaker, Rothamsted Research, United Kingdom
07. 2022. Invited speaker, University of Landau, Germany
08. 2021. Invited seminar speaker, Climate Change Science Institute, Environmental Science Division, Oak Ridge National Laboratory
05. 2021. Panel Presenter, Virtual Tennessee Climate Data Summit (Invited University/Research Section Presenter and Representative of TSU)
05. 2020. Panel Presenter, Virtual Writing Workshop, Research and Sponsored Program Tennessee State University (Invited Panel and Lecture)
10. 2019. Department of Environment and Civil Engineering, Vanderbilt University (Invited Guest Lecture)
10. 2019. Department of Biological Science, College of Life and Physical Sciences, Tennessee State University (Departmental seminar)
06. 2018. Institute of Agricultural Resources and Regional Planning, Chinese Academy of Agricultural Sciences, Beijing, China.
07. 2017. Applied Institute of Ecology, Chinese Academy of Sciences, Shenyang, Jilin, China.
09. 2016. Department of Geological Science, University of Alabama, Tuscaloosa, AL
10. 2015. Department of Food and Consumer Science, Tennessee State University, Nashville, TN
03, 2014. Dept. Agricultural and Environmental Sciences, Tennessee State University, Nashville, TN
05. 2013. College of Agricultural Resources and Environment, China Agriculture University, Beijing
05. 2012. Institute of Regional Planning and Agricultural Resources, Chinese Academy of Agriculture Sciences, Beijing
04. 2012. Department of Microbiology and Plant Biology, University of Oklahoma, Norman OK
03. 2011. School of Natural Resources, University of Nebraska-Lincoln, NE
10. 2011. International Workshop on Global Soil Biogeochemical Changes, Duke University, Durham, NC
03. 2009. Departmental Seminar of Ecology and Evolutionary Biology, University of Kansas, Lawrence, KS

Contributed talks (indicate students or post-docs working under my supervision)*

12. 2025. Monica Gaire, Lahiru Gamage, Matthew Manu, Aviyan Pandey, and **Jianwei Li**. American Geophysical Union Annual Meeting Annual meeting, New Orleans, LA.
12. 2025. Caroline Apraku, Reginald Archer, **Jianwei Li**, Matthew Manu, and Lahiru Gamage. American Geophysical Union Annual Meeting Annual meeting, New Orleans, LA.
12.2025. Matthew Manu, Lahiru Gamage, Aviyan Pandey, and **Jianwei Li**. American Geophysical Union Annual Meeting Annual meeting, New Orleans, LA.
03. 2025. M Manu*, **Li J**. University-wide Research Symposium, Tennessee State University, Nashville, TN.
03. 2025. M Manu*, A Pandey, **Li J**. University-wide Research Symposium, Tennessee

State University, Nashville, TN.
03. 2025. A Pandey*, **Li J**. University-wide Research Symposium, Tennessee State University, Nashville, TN.
03. 2025. D Tamang, **Li J**, Y Chen. University-wide Research Symposium, Tennessee State University, Nashville, TN.
12. 2024. M Manu*, **Li J**. American Geophysical Union Annual Meeting, Washington DC.
12. 2024. G Lahiru*, **Li J**. American Geophysical Union Annual Meeting, Washington DC.
12. 2024. A Pandey*, **Li J**. American Geophysical Union Annual Meeting, Washington DC.
09.2024. **Li J**, Wang X, Jian S, Wang G, Mayes M, Liang C, and Reddy KC. Generalized or distinct microbial parameters in soil biogeochemical models? Insights from a three-decade field experiment and a multi-site incubation experiment. Soil Systems Ecology International Conference, Berlin Germany, September 9-11, 2024.
08.2024. **Li J.** Exploration of Climate Warming and Nitrogen Fertilization on Switchgrass Growth and Soil Biogeochemistry. The UT/TSU Research Summit, Oak Ridge TN, August 15-16, 2024.
08.2024. Kasrija L, Ray A, Ren W, Wang Li, Fay P, Smith D, **Li J**, Illukpitiya, Tian H, and Hui D. Ecological Society of America Annual Meeting, Long Beach, California.
04. 2024. **Li J**. et al., Association of 1890 Research Directors (ARD) Research Symposium, TSU, Nashville TN.
04. 2024. **Gamage L**. et al., Association of 1890 Research Directors (ARD) Research Symposium, TSU, Nashville TN.
04. 2024. **Wang X**. et al., Association of 1890 Research Directors (ARD) Research Symposium, TSU, Nashville TN.
04. 2024. **Alford J**. et al., Association of 1890 Research Directors (ARD) Research Symposium, TSU, Nashville TN.
01. 2024. **Li J**. Environmental Sciences Departmental Seminar, TSU, Nashville TN
03. 2023. **Li J**. University-wide Research Symposium, TSU, Nashville TN
03. 2023. **Li J**. Department of Agri. and Env. Science Seminar, TSU, Nashville TN
12. 2022. **Li J**. American Geophysical Union Annual Meeting, Chicago, IA
12. 2022. **Wang X**. American Geophysical Union Annual Meeting, Chicago, IA
12. 2022. **Gamage L**. American Geophysical Union Annual Meeting, Chicago, IA
08. 2022. Kieffer Christina, **Li J**. and Hui D. Ecological Society of America Annual Meeting, Montreal, Canada
04. 2022. L Gamage*, X Wang*, and **Li J**. Association of 1890 Research Directors (ARD) Research Symposium 2022. Atlanta, GA.
12. 2021. **Li J**. American Geophysical Union Annual Meeting, New Orleans, LA.
12. 2021. X Wang*, **Li J**. American Geophysical Union Annual Meeting, New Orleans, LA.
12. 2021. P Areeveso *, **Li J**. American Geophysical Union Annual Meeting, New Orleans, LA.
09. 2021. L Gamage*,, **Li J.** Small Farm Expo Workshop, Tennessee State University, Nashville, TN
03. 2020. M Yuan*, **Li J**. University-wide Research Symposium, Tennessee State

University, Nashville, TN
03. 2020. L Gamage*, **Li J**. University-wide Research Symposium, Tennessee State University, Nashville, TN
03. 2020. M Parajuli*, **Li J**. University-wide Research Symposium, Tennessee State University, Nashville, TN
03. 2020. S Moghaddam*, **Li J**. University-wide Research Symposium, Tennessee State University, Nashville, TN
03. 2020. A Gonzalez, K Addesso, J Oliver, A Witcher, **Li J**. University-wide Research Symposium, Tennessee State University, Nashville, TN
03. 2017. Guo CL*, **Li J**. Dept. Agricultural and Environmental Sciences Seminar, Tennessee State University, Nashville, TN
12. 2016. Jian S*, **Li J**. American Geophysical Union Annual Meeting, San Francisco, CA.
03. 2016. Jian S*, **Li J**. University-wide Research Symposium, Tennessee State University, Nashville, TN
04. 2016. Celada S*, **Li J**. University-wide Research Symposium, Tennessee State University, Nashville, TN
03. 2016. **Li J**. Departmental Seminar, Department of Agricultural and Environmental Sciences, TSU
12. 2014. Allison SD, **J Li**, YQ Luo, MA Mayes, GS Wang. American Geophysical Union Annual Meeting, San Francisco, CA.
08. 2013. **Li J**, Y Luo, S Natali, TE Schuur, J Xia, B Pack, YP Wang. 98th Ecological Society of America Annual Meeting, Minneapolis, MN
08. 2013. JY Xia, YQ Luo, SL Niu, DF Hui, J Dong, E Weng, J Yuan, **J Li** et al 98th Ecological Society of America Annual Meeting, Minneapolis, MN
12. 2012. Ziegler SE, SA Billings, CL Lane, **J Li**, ML. Fogel. American Geophysical Union, San Francisco, CA
08. 2011. Billings SA, **J Li**, SE Ziegler. Ecological Society of America, Austin, Texas
12. 2011. **Li J,** SE Ziegler, CL Lane, SA Billings. American Geophysical Union, San Francisco, CA
12. 2010. **Li J**, SE Ziegler, CL Lane, SA Billings. American Geophysical Union, San Francisco, CA
12. 2009. Billings SA, SE Ziegler, **J Li**. American Geophysical Union, San Francisco, CA
07. 2007. **Li J**, DD Richter, A Mendoza, P Heine. International Conference on the Biogeochemistry of Trace Elements (9th ICOBTE), Beijing

Posters

12. 2019. Li J. Jian S*. American Geophysical Union Annual Meeting. San Francisco, CA.
12. 2019. Jian S*, Li J. American Geophysical Union Annual Meeting. San Francisco, CA.
12. 2018. **Li J.** Jian S*. American Geophysical Union Annual Meeting. Washington DC.
12. 2017. Jian S*, **Li J.** American Geophysical Union Annual Meeting. New Orleans, LA.
05. 2013. **Li J**, YQ Luo, S Natali, TE Schuur, J Xia, B Pack, YP Wang. North American Carbon Program (NACP), New Mexico
12. 2012. **Li J**, S Natali, TE Schuur, J Xia, B Pack, YP Wang, YQ Luo. American Geophysical Union Fall Meeting. San Francisco, CA

10. 2012. **Li J**. S Natali, TE Schuur, YQ Luo. Promoting New Perspectives on Data Assimilation in Global Change Science workshop. Woods Hole, MA
10. 2012. Billings SA, SE Ziegler, F Ballantyne IV, C Lehmeier, **J Li**, and C Lane. 5th International Workshop on Soil and Sedimentary Organic Matter Stabilization and Destabilization (SOM-5), Ascona, Switzerland
05. 2011. **Li J**, SA Billings, SE Ziegler. Enzymes in the Environment Conference, Bad Nauheim, Germany
09. 2011. Ziegler SE, SA Billings, CL Lane, **J Li**. Humber River Basin Project (HRBP) workshop, Newfoundland, Canada
09. 2011. Billings SA, **J Li**, SE Ziegler, CL Lane. Humber River Basin Project (HRBP) workshop, Newfoundland, Canada
08. 2010. **Li J**, SE Ziegler, CL Lane, SA Billings. Ecological Society of America, Pittsburgh, PA
09. 2010. Ziegler SE, SA Billings, **J Li**, CL Lane. Humber River Basin Project (HRBP) workshop, Newfoundland, Canada
09. 2010. **Li J**, SA Billings, SE Ziegler. Humber River Basin Project (HRBP) workshop, Newfoundland, Canada
08. 2009. **Li J**, DD Richter, A Mendoza, P Heine. Ecological Society of America, Milwaukee, WI, USA
05. 2007. **Li J**, DD Richter, A Mendoza, P Heine. Global Soil Changes Workshop, Durham, NC, USA
10. 2007. Richter DD, Julie DeMeester, **Li J**, J Jackson. Soil Science Society of America, New Orleans, LA, USA
07. 2006. **Li J**, DD Richter, A Mendoza, P Heine. World Congress of Soil Science, Philadelphia, PA, USA
10. 2005. **Li J**, DD Richter, A Mendoza, P Heine. Soil Science Society of America, Salt Lake City, UT, USA
10. 2005. **Li J**, DD Richter, A Mendoza, P Heine. Critical Zone Workshop, Newark, DE, USA