

KYLE EDWARD HARMS
CURRICULUM VITAE

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ACADEMIC & RESEARCH APPOINTMENTS

- Current (since 2020) Mary Lou Applewhite Endowed Professor, Department of Biological Sciences, Louisiana State University (LSU), Baton Rouge, LA
- 2013-2020 Professor, Department of Biological Sciences, LSU
- 2008 Distinguished Fellow, Institute for Advanced Study & Honorary Research Fellow, Department of Botany, La Trobe University, Bundoora, Australia (on sabbatical leave from LSU)
- 2007-2013 Associate Professor, Department of Biological Sciences, LSU
- 2002-2012 Research Associate, Smithsonian Tropical Research Institute (STRI), Panama City, Panama
- 2002-2007 Assistant Professor, Department of Biological Sciences, LSU
- 2000-2001 Postdoctoral Visiting Fellow, Department of Natural Resources, Cornell University, Ithaca, NY
Supervisor – Joseph B. Yavitt
- 2000 Short-Term Visiting Fellow, STRI, Panama City, Panama
- 1999-2000 Postdoctoral Research Fellow, Department of Ecology, Evolution & Marine Biology, University of California, Santa Barbara, CA
Supervisor – Joseph H. Connell (1923-2020)
- 1997-1999 Postdoctoral Research Fellow, STRI, Panama City, Panama
Supervisor – S. Joseph Wright

EDUCATION

- 1997 Ph.D., Department of Ecology & Evolutionary Biology, Princeton University, Princeton, NJ
Advisor – Stephen P. Hubbell; Committee – Andrew P. Dobson, Henry S. Horn (1941-2019), Stephen W. Pacala & Donald A. Stratton
Dissertation: *Habitat specialization and seed-dispersal limitation in a Neotropical forest* (based on the forest community on Barro Colorado Island, Panama)
- 1989 B.S. with Distinction & Honors, Cross-Disciplinary Major in Biology, Minor in Spanish, Iowa State University (ISU), Ames, IA
Academic advisor – Marilyn D. Bachmann; Honors research advisor – William L. Franklin
Honors thesis: *Yearling dispersal in a population of South American guanacos* (*Lama guanicoe*) (based on the population in Torres del Paine National Park, Chile)

PUBLICATIONS

PEER-REVIEWED / REFEREED SCIENTIFIC JOURNAL ARTICLES

Portable Document Format (PDF) files or Digital Object Identifier (DOI) links for all publications are available online at: <https://faculty.lsu.edu/kharms/cv.php>

LSU-G = current or former LSU graduate student in K. E. Harms's Research Group

LSU-P = current or former LSU post-doc in K. E. Harms's Research Group

90. Santiago-Rosario, Luis Y.^{LSU-G}, Alexander M. Shephard, Emilie Snell-Rood, Achim D. Herrmann & Kyle E. Harms. 2025. Butterfly species vary in sex-specific sodium accumulation from larval diets. *Ecological Entomology* 50:228-234.
[Open access: <http://dx.doi.org/10.1111/een.13385>]
89. Harms, Kyle E., David M. Watson, Luis Y. Santiago-Rosario^{LSU-G} & Sarah Mathews. 2023. Exposing the error hidden in plain sight: a critique of Calder's (1983) group selectionist seed-dispersal hypothesis for mistletoe "mimicry" of host plants. *Ecology & Evolution* 13:e10760.
88. Phelps, Jamie M.^{LSU-G}, Luis Y. Santiago-Rosario^{LSU-G}, Diego Paredes-Burneo & Kyle E. Harms. 2023. A comprehensive natural history review of *Chlosyne lacinia* (Geyer, 1837; Lepidoptera: Nymphalidae): patterns of phenotypic variation and geographic distribution. *Journal of the Lepidopterists' Society* 77:209-219.
[Cover article for *Journal of the Lepidopterists' Society* 77(4)]
87. Santiago-Rosario, Luis Y.^{LSU-G}, Ana L. Salgado, Diego Paredes-Burneo & Kyle E. Harms. 2023. Low sodium availability in hydroponically manipulated host plants promotes cannibalism in a lepidopteran herbivore. *Scientific Reports* 13:20822.
[Featured in University of Minnesota blog:
<https://cbs.umn.edu/blog-posts/insidious-pursuit-salty-snack>
Featured in LSU Department of Biological Sciences news:
<https://www.lsu.edu/science/biosci/news/2024/researchgroupmanipulatessodium.php>]
86. Klock, Metha M.^{LSU-G}, Hector G. Urbina, Luke G. Barrett, Peter H. Thrall & Kyle E. Harms. 2022. Provenance of rhizobial symbionts is similar for invasive and non-invasive acacias introduced to California. *FEMS Microbiology Ecology* 98:flac138.
85. Santiago-Rosario, Luis Y.^{LSU-G}, Kyle E. Harms & Dylan Craven. 2022. Contrasts among cationic phytochemical landscapes in the southern United States. *Plant-Environment Interactions* 3:226-241.
84. Santiago-Rosario, Luis Y.^{LSU-G}, Kyle E. Harms, Bret D. Elderd, Pamela B. Hart & Maheshi Dassanayake. 2021. No escape: The influence of substrate sodium on plant growth and tissue sodium responses. *Ecology & Evolution* 11:14231-14249.
83. Wills, Christopher, Bin Wang, Shuai Fang, Yunquan Wang, Yi Jin, James Lutz, Jill Thompson, Kyle E. Harms, Sandeep Pulla, Bonifacio Pasion, Sara Germain, Heming Liu, Joseph Smokey, Sheng-Hsin Su, Nathalie Butt, Chengjin Chu, George Chuyong, Chia-Hao Chang-Yang, H. S. Dattaraja, Stuart Davies, Sisira Ediriweera, Shameema Esufali, Christine Dawn Fletcher, Nimal Gunatilleke, Savi Gunatilleke, Chang-Fu Hsieh, Fangliang He, Stephen Hubbell, Zhanqing Hao,

Akira Itoh, David Kenfack, Buhang Li, Xiankun Li, Keping Ma, Michael Morecroft, Xiangcheng Mi, Yadvinder Malhi, Perry Ong, Lillian Jennifer Rodriguez, H. S. Suresh, I Fang Sun, Raman Sukumar, Sylvester Tan, Duncan Thomas, Maria Uriarte, Xihua Wang, Xugao Wang, T.L. Yao, Jess Zimmermann. 2021.

Interactions between all pairs of neighboring trees in 16 forests worldwide reveal details of unique ecological processes in each forest, and provide windows into their evolutionary histories. *PLoS Computational Biology* 17(4):e1008853.

[Featured on the National Science Foundation web site:

https://www.nsf.gov/discoveries/disc_summ.jsp?cntn_id=302787&WT.mc_id=USNSF_1

Errata: pg. 1 – replace first “Los Angeles” with “Louisiana”;

pg. 28 – the file that downloads for “S3” is actually S5;

pg. 29 – the file that downloads for “S5” is actually S3; the file that downloads for “S6” is actually S8; the file that downloads for “S8” is actually S6; the file that downloads for “S9” is actually S11; the file that downloads for “S11” is actually S9]

82. Harms, Kyle E., James W. Dalling & María N. Sánchez de Stapf. 2020. Trade-offs tip toward litter trapping: Insights from a little-known Panamanian cloud-forest treelet. *Plants, People, Planet* 2:582-586.
[Featured article in the *Flora Obscura* section of *Plants, People, Planet* 2(6)
YouTube video: https://www.youtube.com/watch?v=c1tCir_HZ0Y
Erratum: pg. 582 – replace “dehisced” with “abscised”; I take the blame for this inadvertent yet incorrect word choice, embarrassingly (to me) pointed out to us by eminent botanist and plant ecologist Peter Grubb with his characteristic wit and eye for accurate details: “I was surprised to learn that the leaves of the study species not only collect litter but explode (‘dehisce’)”]
81. Wood, Jennifer L., Peter T. Green, J. J. Vido, C. Celestina, Kyle E. Harms & Ashley E. Franks. 2020. Microbial communities associated with distance- and density-dependent seedling mortality in a tropical rainforest. *Plant Ecology* 221:41-54.
80. Green, Peter T. & Kyle E. Harms. 2018. The causes of disproportionate non-random mortality among life-cycle stages. *Ecology* 99:36-46.
[Authors made equal contributions]
79. Hovanes, Katherine A.^{LSU-G}, Kyle E. Harms, Paul R. Gagnon^{LSU-P}, Jonathan A. Myers^{LSU-G} & Bret D. Elder. 2018. Overdispersed spatial patterning of dominant bunchgrasses in southeastern pine savannas. *The American Naturalist* 191:658-667.
78. Woods, Carrie L., Saara J. DeWalt, Catherine L. Cardelús, Kyle E. Harms, Joseph B. Yavitt & S. Joseph Wright. 2018. Fertilization influences the nutrient acquisition strategy of a nomadic vine in a lowland tropical forest understory. *Plant & Soil* 431:389-399.
77. Wright, S. Joseph, Benjamin L. Turner, Joseph B. Yavitt, Kyle E. Harms, Michael Kaspari, Edmund V. J. Tanner, Jelena Bujan, Eric A. Griffin, Jordan R. Mayor, Sarah C. Pasquini, Merlin Sheldrake & Milton N. Garcia. 2018. Plant responses to fertilization experiments in lowland, species-rich, tropical forests. *Ecology* 99:1129-1138.
76. Bravo, Adriana^{LSU-G} & Kyle E. Harms. 2017. The biogeography of sodium in Neotropical figs (Moraceae). *Biotropica* 49:18-22.

75. Harms, Kyle E., Paul R. Gagnon^{LSU-P}, Heather A. Passmore^{LSU-P}, Jonathan A. Myers^{LSU-G} & William J. Platt. 2017. Groundcover community assembly in high-diversity pine savannas: Seed arrival and fire-generated environmental filtering. *Ecosphere* 8(3):e01716.10.1002/ecs2.1716.
[Erratum: 1st paragraph of Methods – replace “~100 species x m²” with “~100 species x 100 m²”]
74. Baldeck, Claire A., S. W. Kembel, Kyle E. Harms, Joseph B. Yavitt, Robert John, Benjamin L. Turner, S. Madawala, Nimal Gunatilleke, Savitri Gunatilleke, Sarayudh Bunyavejchewin, Somboon Kiratiprayoon, Adzmi Yaacob, M. N. N. Supardi, Renato Valencia, Hugo Navarrete, Stuart J. Davies, George B. Chuyong, David Kenfack, Duncan W. Thomas & James W. Dalling. 2016. Phylogenetic turnover along local environmental gradients in tropical forest communities. *Oecologia* 182:547-557.
73. Galeano, Sandra P.^{LSU-G} & Kyle E. Harms. 2016. Coloration in the polymorphic frog *Oophaga pumilio* associates with level of aggressiveness in intraspecific and interspecific behavioral interactions. *Behavioral Ecology & Sociobiology* 70:83-97.
[Featured on *Science* online news feed - *ScienceShot* (2 December 2015):
<https://www.sciencemag.org/news/2015/12/red-frogs-are-more-devilish-their-green-counterparts>]
72. Klock, Metha^{LSU-G}, Luke G. Barrett, Peter H. Thrall & Kyle E. Harms. 2016. Differential plant invasiveness is not always driven by host promiscuity with bacterial symbionts. *AoB PLANTS* 8:plw060; doi:10.1093/aobpla/plw060.
71. Wills, Christopher, Kyle E. Harms, Thorsten Wiegand, Ruwan Punchi-Manage, Gregory S. Gilbert, David Erickson, W. John Kress, Stephen P. Hubbell, C. V. Savitri Gunatilleke & I. A. U. Nimal Gunatilleke. 2016. Persistence of neighborhood demographic influences over long phylogenetic distances may help drive post-speciation adaptation in tropical forests. *PLoS ONE* 11(12):e0168976. doi:10.1371/journal.pone.0168976 (published 20 Dec. 2016).
[The reference above is to the corrected version of the paper that first appeared as: *PLoS ONE* 11(6):e0156913. doi:10.1371/journal.pone.0156913 (published 15 June 2016)
Erratum: pg. 20 – replace “6) Divergence in resource use may” with “6) Adaptive divergence may”; this edit to the sub-heading was supposed to have been corrected in revision]
70. Gagnon, Paul R.^{LSU-P}, Heather A. Passmore^{LSU-P}, Matthew Slocum, Jonathan A. Myers^{LSU-G}, Kyle E. Harms, William J. Platt & C. E. Timothy Paine^{LSU-G}. 2015. Fuels and fires influence vegetation via above- and belowground pathways in a high-diversity plant community. *Journal of Ecology* 103:1009-1019.
69. Klock, Metha M.^{LSU-G}, Luke G. Barrett, Peter H. Thrall & Kyle E. Harms. 2015. Host promiscuity in symbiont associations can influence exotic legume establishment and colonization of novel ranges. *Diversity & Distributions* 21:1193-1203.
68. Letcher, Susan G., Jesse R. Lasky, Robin L. Chazdon, Natalia Norden, S. Joseph Wright, Jorge A. Meave, Eduardo A. Pérez-García, Rodrigo Muñoz, Eunice Romero-Pérez, Ana Andrade, José Luis Andrade-Torres, Patricia Balvanera, Justin M. Becknell, Tony V. Bentos, Radika Bhaskar, Frans Bongers, Vanessa Boukili, Pedro H.S. Brancalion, Ricardo G. César, Deborah A. Clark, David B. Clark, Dylan Craven, Alexander DeFrancesco, Juan M. Dupuy, Bryan

Finegan, Eugenio González-Jiménez, Jefferson S. Hall, Kyle E. Harms, José Luis Hernández-Stefanoni, Peter Hietz, Deborah Kennard, Timothy J. Killeen, Susan G. Laurance, Edwin E. Lebrija-Trejos, Madelon Lohbeck, Miguel Martínez-Ramos, Paulo E.S. Massoca, Rita C.G. Mesquita, Francisco Mora, Robert Muscarella, Horacio Paz, Fernando Pineda-García, Jennifer S. Powers, Ruperto Quesada-Monge, Ricardo R. Rodrigues, Manette E. Sandor, Lucía Sanaphre-Villanueva, Elisabeth Schüller, Nathan G. Swenson, Alejandra Tauro, María Uriarte, Michiel van Breugel, Orlando Vargas-Ramírez, Ricardo A.G. Viani, Amanda Wendt, G. Bruce Williamson. 2015. Environmental gradients and the evolution of successional habitat specialization: a test case with 14 Neotropical forest sites. *Journal of Ecology* 103:1276-1290.

[Featured in *Science* (25 September 2015) 349:1501]

67. Turner, Benjamin L., Joseph B. Yavitt, Kyle E. Harms, Milton N. Garcia & S. Joseph Wright. 2015. Seasonal changes in soil organic matter after a decade of nutrient addition in a lowland tropical forest. *Biogeochemistry* 123:221-235.
66. Green, Peter T., Kyle E. Harms & Joseph H. Connell. 2014. Nonrandom, diversifying processes are disproportionately strong in the smallest size classes of a tropical forest. *Proceedings of the National Academy of Sciences* 111:18649-18654.

[Featured as *Science Daily* news item:

<http://www.sciencedaily.com/releases/2014/12/141215154629.htm>]

65. Réjou-Méchain, Maxime, Helene C. Muller-Landau, Matteo Detto, Sean C. Thomas, Thuy Le Toan, Sassan S. Saatchi, Juan Sebastian Barreto-Silva, Norman A. Bourg, Sarayudh Bunyavejchewin, Nathalie Butt, Warren Y. Brockelman, Min Cao, Dairon Cárdenas, Jyh-Min Chiang, George B. Chuyong, Keith Clay, Richard Condit, Handanakere S. Dattaraja, Stuart J. Davies, Alvaro Duque, Shameema Esufali, Corneille Ewango, R. H. Suranjan Fernando, Christine D. Fletcher, I. A. U. Nimal Gunatilleke, Zhanqing Hao, Kyle E. Harms, Terese B. Hart, Bruno Hérault, Robert W. Howe, Stephen P. Hubbell, Daniel J. Johnson, David Kenfack, Andrew J. Larson, Luxiang Lin, Yiching Lin, James A. Lutz, Jean-Rémy Makana, Yadvinder Malhi, Toby R. Marthews, Ryan W. McEwan, Sean M. McMahon, William J. McShea, Robert Muscarella, Anuttara Nathalang, Nur Supardi bin Mohammed Noor, Christopher J. Nytech, Alexandre A. Oliveira, Richard P. Phillips, Nantachai Pongpattananurak, Ruwan Punchi-Manage, Razman Salim, Jonathan Schurman, Raman Sukumar, Hebbalalu S. Suresh, Udomlux Suwanvecho, Duncan W. Thomas, Jill Thompson, Maria Uriarte, Renato Valencia, Alberto Vicentini, Amy T. Wolf, Sandra Yap, Zuoqiang Yuan, Charles E. Zartman^{LSU-P}, Jess K. Zimmerman & Jérôme Chave. 2014. Local spatial structure of forest biomass and its consequences for remote sensing of carbon stocks. *Biogeosciences* 11:6827-6840.
64. Baldeck, C. A., K. E. Harms, J. B. Yavitt, R. John, B. L. Turner, R. Valencia, H. Navarrete, S. Bunyavejchewin, S. Kiratiprayoon, A. Yaacob, M. N. N. Supardi, S. J. Davies, S. P. Hubbell, G. B. Chuyong, D. Kenfack, D. W. Thomas & James W. Dalling. 2013. Habitat filtering across tree life stages in tropical forest communities. *Proceedings of the Royal Society B* 280:20130548. doi: 10.1098/rspb.2013.0548.

63. Baldeck, Claire A., Kyle E. Harms, Joseph B. Yavitt, Robert John, Benjamin L. Turner, Renato Valencia, Hugo Navarrete, Stuart J. Davies, George B. Chuyong, David Kenfack, Duncan W. Thomas, Sumedha Madawala, Nimal Gunatilleke, Savitri Gunatilleke, Sarayudh Bunyavejchewin, Somboon Kiratiprayoon, Adzmi Yaacob, Mohd. N. Nur Supardi & James W. Dalling. 2013. Soil resources and topography shape local tree community structure in tropical forests. *Proceedings of the Royal Society B* 280:20122532. doi: 10.1098/rspb.2012.2532.
62. Baldeck, Claire A., Steven W. Kembel, Kyle E. Harms, Joseph B. Yavitt, Robert John, Benjamin L. Turner, George B. Chuyong, David Kenfack, Duncan W. Thomas, Sumedha Madawala, Nimal Gunatilleke, Savitri Gunatilleke, Sarayudh Bunyavejchewin, Somboon Kiratiprayoon, Adzmi Yaacob, Mohd. N. Nur Supardi, Renato Valencia, Hugo Navarrete, Stuart J. Davies, Stephen P. Hubbell & James W. Dalling. 2013. A taxonomic comparison of local habitat niches of tropical trees. *Oecologia* 173:1491-1498.
61. Mirabello, M. J., J. B. Yavitt, M. Garcia, K. E. Harms, B. L. Turner & S. J. Wright. 2013. Soil phosphorus responses to chronic nutrient fertilisation and seasonal drought in a humid lowland forest, Panama. *Soil Research* 51:215-221.
60. Turner, Benjamin L., Joseph B. Yavitt, Kyle E. Harms, Milton N. Garcia, Tania E. Romero & S. Joseph Wright. 2013. Seasonal changes and treatment effects on soil inorganic nutrients following a decade of fertilizer addition in a lowland tropical forest. *Soil Science Society of America Journal* 77:1357-1369.
59. Bravo, Adriana^{LSU-G}, Kyle E. Harms & Louise H. Emmons. 2012. Keystone resource (*Ficus*) chemistry explains lick visitation by frugivorous bats. *Journal of Mammalogy* 93:1099-1109.
58. Dalling, James W., Stefan A. Schnitzer, Claire Baldeck, Kyle E. Harms, Robert John, Scott A. Mangan, Elena Lobo, Joseph B. Yavitt & Stephen P. Hubbell. 2012. Resource-based habitat associations in a neotropical liana community. *Journal of Ecology* 100:1174-1182.
57. Ferro, Michael L., Matthew L. Gimmel, Kyle E. Harms & Christopher E. Carlton. 2012. Comparison of Coleoptera emergent from various decay classes of downed coarse woody debris in Great Smoky Mountains National Park, USA. *Insecta Mundi* 260:1-80.
56. Ferro, Michael L., Matthew L. Gimmel, Kyle E. Harms & Christopher E. Carlton. 2012. Comparison of three collection techniques for capture of Coleoptera, with an emphasis on saproxylic species, in Great Smoky Mountains National Park, USA. *Insecta Mundi* 261:1-31.
55. Ferro, Michael L., Matthew L. Gimmel, Kyle E. Harms & Christopher E. Carlton. 2012. Comparison of the Coleoptera communities in leaf litter and rotten wood in Great Smoky Mountains National Park, USA. *Insecta Mundi* 259:1-58.
54. Gagnon, Paul R.^{LSU-P}, Kyle E. Harms, William J. Platt, Heather A. Passmore^{LSU-P} & Jonathan A. Myers^{LSU-G}. 2012. Small-scale variation in fuel loads differentially affects two co-dominant bunchgrasses in a species-rich pine savanna. *PLoS ONE* 7(1):e29674. doi:10.1371/journal.pone.0029674.

53. Santiago, Louis S., S. Joseph Wright, Kyle E. Harms, Joseph B. Yavitt, Carmi Korine, Milton N. Garcia & Benjamin L. Turner. 2012. Tropical tree seedling growth responses to nitrogen, phosphorus and potassium addition. *Journal of Ecology* 100:309-316.
52. Sayer, Emma J., S. Joseph Wright, Edmund V. J. Tanner, Joseph B. Yavitt, Kyle E. Harms, Jennifer S. Powers, Michael Kaspari, Milton N. Garcia & Benjamin L. Turner. 2012. Variable responses of lowland tropical forest nutrient status to fertilization and litter manipulation. *Ecosystems* 15:387-400.
51. Chuyong, George B., David Kenfack, Kyle E. Harms, Duncan W. Thomas, Richard Condit & Liza S. Comita. 2011. Habitat specificity and diversity of tree species in an African wet tropical forest. *Plant Ecology* 212:1363-1374.
50. Cleveland, Cory C., Alan R. Townsend, Philip Taylor, Silvia Alvarez-Clare, Mercedes M. C. Bustamante, George Chuyong, Solomon Z. Dobrowski, Pauline Grierson, Kyle E. Harms, Benjamin Z. Houlton, Alison Marklein, William Parton, Stephen Porder, Sasha C. Reed, Carlos A. Sierra, Whendee L. Silver, Edmund V. J. Tanner & William R. Wieder. 2011. Relationships among net primary productivity, nutrients and climate in tropical rain forest: a pan-tropical analysis. *Ecology Letters* 14:939-947.
[Cover article for *Ecology Letters* 14(9); errata published in *Ecology Letters* (2011) 14:1313-1317]
49. Myers, Jonathan A.^{LSU-G} & Kyle E. Harms. 2011. Seed arrival and ecological filters interact to assemble high-diversity plant communities. *Ecology* 92:676-686.
48. Wright, S. Joseph, Joseph B. Yavitt, Nina Wurzbarger, Benjamin L. Turner, Edward V. J. Tanner, Emma J. Sayer, Louis S. Santiago, Michael Kaspari, Lars O. Hedin, Kyle E. Harms, Milton N. Garcia & Marife D. Corre. 2011. Potassium, phosphorus, or nitrogen limit root allocation, tree growth, or litter production in a lowland tropical forest. *Ecology* 92:1616-1625.
47. Yavitt, Joseph B., Kyle E. Harms, Milton N. Garcia, Matt J. Mirabello & S. Joseph Wright. 2011. Soil fertility and fine root dynamics in response to 4 years of nutrient (N, P, K) fertilization in a lowland tropical moist forest, Panama. *Austral Ecology* 36:433-445.
46. Bravo, Adriana^{LSU-G}, Kyle E. Harms & Louise H. Emmons. 2010. Preference for *collpa* water by frugivorous bats (*Artibeus*): an experimental approach. *Biotropica* 42:276-280.
45. Bravo, Adriana^{LSU-G}, Kyle E. Harms & Louise H. Emmons. 2010. Puddles created by geophagous mammals are potential mineral sources for frugivorous bats (Stenodermatinae) in the Peruvian Amazon. *Journal of Tropical Ecology* 26:173-184.
44. Gagnon, Paul R.^{LSU-P}, Heather A. Passmore^{LSU-P}, William J. Platt, Jonathan A. Myers^{LSU-G}, C. E. Timothy Paine^{LSU-G} & Kyle E. Harms. 2010. Does pyrogenicity protect burning plants? *Ecology* 91:3481-3486.
[Cover article for *Ecology* 91(12)]
43. Laurance, Susan G. W., William F. Laurance, Ana Andrade, Philip M. Fearnside, Kyle E. Harms, Alberto Vicentini & Regina C. C. Luizão. 2010. Influence of soils

- and topography on Amazonian tree diversity: a landscape-scale study. *Journal of Vegetation Science* 21:96-106.
42. Wright, S. Joseph, Kaoru Kitajima, Nathan J. B. Kraft, Peter B. Reich, Ian J. Wright, Daniel E. Bunker, Richard Condit, James W. Dalling, Stuart J. Davies, Sandra Díaz, Bettina M. J. Engelbrecht, Kyle E. Harms, Stephen P. Hubbell, Christian O. Marks, Maria C. Ruiz-Jaen, Cristina M. Salvador & Amy E. Zanne. 2010. Functional traits and the growth-mortality trade-off in tropical trees. *Ecology* 91:3664-3674.
 41. Ferro, Michael L., Matthew L. Gimmel, Kyle E. Harms & Christopher E. Carlton. 2009. The beetle community of small oak twigs in Louisiana, with a literature review of Coleoptera from fine woody debris. *The Coleopterists Bulletin* 63:239-263.
 40. Myers, Jonathan A.^{LSU-G} & Kyle E. Harms. 2009. Local immigration, competition from dominant guilds, and the ecological assembly of high-diversity pine savannas. *Ecology* 90:2745-2754.
 39. Myers, Jonathan A.^{LSU-G} & Kyle E. Harms. 2009. Seed arrival, ecological filters, and plant species richness: a meta-analysis. *Ecology Letters* 12:1250-1260.
 38. Paine, C. E. Timothy^{LSU-G} & Kyle E. Harms. 2009. Quantifying the effects of seed arrival and environmental conditions on tropical seedling community structure. *Oecologia* 160:139-150.
 37. Paine, C. E. Timothy^{LSU-G}, Kyle E. Harms & Jesús Ramos. 2009. Supplemental irrigation increases seedling performance and diversity in a tropical forest. *Journal of Tropical Ecology* 25:171-180.
 36. Powers, Jennifer S., Rebecca A. Montgomery, E. Carol Adair, Francis Q. Brearley, Saara J. DeWalt, Camila T. Castanho, Jerome Chave, Erika Deinert, Jörg U. Ganzhorn, Matthew E. Gilbert, José Antonio González-Iturbe, Sarayudh Bunyavejchewin, H. Ricardo Grau, Kyle E. Harms, Ankila Hiremath, Silvia Iriarte-Vivar, Eric Manzane, Alexandre A. de Oliveira, Lourens Poorter, Jean-Baptiste Ramanamanjato, Carl Salk, Amanda Varela, George D. Weiblen & Manuel T. Lerdau. 2009. Decomposition in tropical forests: a pan-tropical study of the effects of litter type, litter placement and mesofaunal exclusion across a precipitation gradient. *Journal of Ecology* 97:801-811.
 35. Yavitt, Joseph B., Kyle E. Harms, Milton N. Garcia, S. Joseph Wright, Fangliang He & Matt J. Mirabello. 2009. Spatial heterogeneity of soil chemical properties in a lowland tropical moist forest, Panama. *Australian Journal of Soil Research* 47:674-687.
 34. Bravo, Adriana^{LSU-G}, Kyle E. Harms, Richard D. Stevens & Louise H. Emmons. 2008. *Collpas*: activity hotspots for frugivorous bats (Phyllostomidae) in the Peruvian Amazon. *Biotropica* 40:203-210.

[Bat Conservation International featured this project in (1) their newsletter, *Bat Conservation Times* (2006) v. 4 and (2) their magazine, *Bats* (2006) 24:11-12

Mongabay.com featured this project at:

<https://news.mongabay.com/2008/07/fruit-bats-frequent-clay-licks-in-the-amazon-rainforest>;

John Kricher featured this project in his book, *Tropical Ecology* (2011) pp. 386-387]

33. Kaspari, Michael, Milton N. Garcia, Kyle E. Harms, Mirna Santana, S. Joseph Wright & Joseph B. Yavitt. 2008. Multiple nutrients limit litterfall and decomposition in a tropical forest. *Ecology Letters* 11:35-43.
32. Paine, C. E. Timothy^{LSU-G}, Kyle E. Harms, Stefan A. Schnitzer & Walter P. Carson. 2008. Weak competition among tropical tree seedlings: implications for species coexistence. *Biotropica* 40:432-440.
[Awarded 2009 *Biotropica* Award for Excellence in Tropical Biology & Conservation by the *Biotropica* Editorial Board; see: *Biotropica* (2009) 41:647-648]
31. Poorter, Lourens, S. Joseph Wright, Horacio Paz, David D. Ackerly, Rick Condit, Guillermo Ibarra-Manríquez, Kyle E. Harms, Juan-Carlos Licona, Miguel Martínez-Ramos, Susan J. Mazer, Helene Muller-Landau, Marielos Peña-Claros, Campbell O. Webb & Ian J. Wright. 2008. Are functional traits good predictors of demographic rates? Evidence from five Neotropical forests. *Ecology* 89:1908-1920.
30. Carlson, Jane E.^{LSU-G} & Kyle E. Harms. 2007. The benefits of bathing buds: water calyces protect flowers from a microlepidopteran herbivore. *Biology Letters* 3:405-407.
[Featured in: (1) *GEO* (July, 2007) pg. 174; (2) *Science News* (May 19, 2007) pg. 317; and (3) *Science & Vie* (June, 2007) pg. 16]
29. John, Robert, James W. Dalling, Kyle E. Harms, Joseph B. Yavitt, Robert F. Stallard, Matthew Mirabello, Stephen P. Hubbell, Renato Valencia, Hugo Navarrete, Martha Vallejo & Robin B. Foster. 2007. Soil nutrients influence spatial distributions of tropical tree species. *Proceedings of the National Academy of Sciences* 104:864-869.
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23. Gunatilleke, C. V. S., I. A. U. N. Gunatilleke, S. Esufali, K. E. Harms, P. M. S. Ashton, D. F. R. P. Burslem & P. S. Ashton. 2006. Species-habitat associations in a Sri Lankan dipterocarp forest. *Journal of Tropical Ecology* 22:371-384.
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[Named Outstanding Paper in Landscape Ecology for 2006 by the U.S. Chapter of the International Association of Landscape Ecologists]
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Kiratiprayoon, Suzanne Loo de Lao, Marie Massa, Cheryl Nath, Md. Nur Supardi Noor, Abdul Rahman Kassim, Raman Sukumar, Hebbalalu Satyanarayana Suresh, I-Fang Sun, Sylvester Tan, Takuo Yamakura & Jess Zimmerman. 2006. Nonrandom processes maintain diversity in tropical forests. *Science* 311:527-531.

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<https://news.mongabay.com/2006/01/mother-nature-encourages-diversity-in-rainforest-trees>]

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[Cover article for *Ecological Monographs* 74(2)]
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Erratum: pg. 51 – replace “Baker” with “Braker”]
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[Electronic access: <https://www.revistaecosistemas.net/index.php/ecosistemas/article/view/226>]
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[Errata: pg. 948 – replace "(Clark et al. 1995, Clark et al. 1998)" with "(Clark et al. 1995; Clark et al. 1998)"; pg. 951 – replace "50 (N-S) x 25 (E-W)" with "50 (E-W) x 25 (N-S)"; pg. 957 – replace "G. Webb" with "C. Webb"]
12. Harms, Kyle E. & James W. Dalling. 2000. A bruchid beetle and a viable seedling from a single diaspore of *Attalea butyracea*. *Journal of Tropical Ecology* 16:319-325.
11. Harms, Kyle E., S. Joseph Wright, Osvaldo Calderón, Andrés Hernández & Edward Allen Herre. 2000. Pervasive density-dependent recruitment enhances seedling diversity in a tropical forest. *Nature* 404:493-495.
[Featured in: (1) News & Comment section of *Trends in Ecology & Evolution* (2000, 15:434-436); and (2) J. Silvertown's (2005) *Demons in Eden: The Paradox of Plant Diversity*, University of Chicago Press (pp. 73, 158)]
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[Cover article for *Science* 283(5401)]
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[Erratum: pg. 235 – replace “model” with “mode”]
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4. Harms, Kyle E. & Annette Aiello. 1995. Seed-boring by tropical clearwing moths (Sesiidae): aberrant behavior or widespread habit? *Journal of the Lepidopterists' Society* 49:43-48.
3. Harms, Kyle E. & James W. Dalling. 1995. Observations on the seasonal consistency in germination timing for *Scheelea zonensis*. *Principes* 39:104-106.
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[Featured in: *American Birds* (1993) 47:17]
1. Harms, Kyle E., Les D. Beletsky & Gordon H. Orians. 1991. Conspecific nest parasitism in three species of New World blackbirds. *The Condor* 93:967-974.

OTHER PUBLICATIONS

(INVITED REFEREED BOOK CHAPTERS, INVITED BOOK REVIEWS, INVITED COMMENTARIES, POPULAR PRESS, ETC.)

33. Harms, Kyle E. 2024. Woody plant species' habitat-association patterns in the forest on Barro Colorado Island and the contributing roles played by biological, historical, and random processes. Pp. 307-315 in *The First 100 Years of Research on Barro Colorado: Plant and Ecosystem Science, Volume 1*. H. C. Muller-Landau & S. J. Wright, eds. Smithsonian Institution Scholarly Press, Washington, DC.
32. Harms, Kyle E. & James W. Dalling. 2024. Damage tolerance and resprouting of large-seeded trees and lianas on Barro Colorado Island: traits at the extreme end of the seed-size continuum. Pp. 409-414 in *The First 100 Years of Research on Barro Colorado: Plant and Ecosystem Science, Volume 1*. H. C. Muller-Landau & S. J. Wright, eds. Smithsonian Institution Scholarly Press, Washington, DC.

31. Wright, S. Joseph, Kyle E. Harms, Omar Hernández, Milton N. Garcia & Joseph B. Yavitt. 2024. A factorial nitrogen, phosphorus, and potassium addition experiment conducted in a mature lowland tropical forest in the Barro Colorado Nature Monument. Pp. 539-547 in *The First 100 Years of Research on Barro Colorado: Plant and Ecosystem Science, Volume 2*. H. C. Muller-Landau & S. J. Wright, eds. Smithsonian Institution Scholarly Press, Washington, DC.
30. Harms, Kyle E. 2023. Expanding the "old-growth" concept to Southeastern groundcover. *The Longleaf Leader* (quarterly magazine of The Longleaf Alliance) 16:12-15.
[Cover article for *The Longleaf Leader* 16(2; Summer 2023)]
29. Harms, Kyle E. 2022. Bison outperform cattle at restoring their home on the range. Commentary for *Proceedings of the National Academy of Sciences* 119: e2213632119.
[Invited Commentary re Ratajczak *et al.* (2022) *PNAS* 119:e2210433119]
28. Harms, Kyle E. 2021. Dr. F. Gary Stiles named Association for Tropical Biology & Conservation 2021 Honorary Fellow. *e-Canopy* (electronic newsletter of the Organization for Tropical Studies), October 2021.
27. Harms, Kyle E. 2021. Patterns of Plants (brief essay for section "When Did You Know You Wanted to be a Scientist?"). LSU College of Science *Pursuit for Kids* (spring issue), pg. 5.
26. Harms, Kyle E. 2021. Technology Corner – *Seek* by *iNaturalist*: A mobile app for species identifications in the field. *The Longleaf Leader* (quarterly magazine of The Longleaf Alliance) 13:22-23.
25. Harms, Kyle E. 2021. *The Quarterly Review of Biology* 96:52-53.
[Invited review of V. Rull & A. C. Carnaval, eds., *Neotropical Diversification: Patterns & Processes*]
24. Sousa, Wayne P., Kyle E. Harms, Claudia M. Tyler, Margaret D. Lowman, Michael J. Keough, Peter T. Green & Allan Stewart-Oaten. 2021. Resolution of respect: Joseph H. Connell (1923-2020). *Bulletin of the Ecological Society of America* 102(2):e01846.
[Electronic access: <https://doi.org/10.1002/bes2.1846>]
23. Harms, Kyle E. 2020. Celebrating the "OTS Model" of Field-Course Inquiry and the 50th Anniversary of the Janzen-Connell Hypothesis. *e-Canopy* (electronic newsletter of the Organization for Tropical Studies), June 2020.
[Electronic access: <https://tropicalstudies.org/celebrating-the-ots-model-of-field-course-inquiry-and-the-50th-anniversary-of-the-janzen-connell-hypothesis>]
22. Harms, Kyle E. 2020. Celebrating 50 years of Earth Day in 2020. *The Advocate* (Baton Rouge, LA newspaper), March 4, 2020.
[Also posted online March 3, 2020, before it appeared in print:
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21. Harms, Kyle E. 2020. Pollen placement on petals. *EcoPic* in *Frontiers in Ecology & the Environment* doi:10.1002/fee.2169.

20. Harms, Kyle E. 2019. La. leaders should save Earth from meltdown. *The Advocate* (Baton Rouge, LA newspaper), May 11, 2019.
[Also posted online May 10, 2019, before it appeared in print:
https://www.theadvocate.com/baton_rouge/opinion/letters/article_27d271b2-729d-11e9-86cf-87e32680512b.html]
19. Harms, Kyle E. 2019. Bunchgrass is the piney woods trinity. *The Longleaf Leader* (quarterly magazine of The Longleaf Alliance) 11:20-21.
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[Also posted on Editor's Blog: <http://biotropica.org/atbc16-bacardi-gentry-award-winners>]
17. Harms, Kyle E. & Christopher E. Carlton. 2015. Biodiversity immersion: Tropical studies program offers unique opportunities. *LSU Alumni Magazine* (winter issue) 91:44-45.
[Electronic access: <https://issuu.com/lsumag/docs/wintermagpdf>]
16. Harms, Kyle E. & Christopher E. Carlton. 2014. Louisiana State University's path to permanent membership. Published twice: (1) *View from the Canopy* (newsletter of the Organization for Tropical Studies) vol. 2014: issue 1 (December); (2) *e-Canopy* (electronic newsletter of the Organization for Tropical Studies) vol. 2014: issue 11 (November).
15. Harms, Kyle E. & Peter T. Green. 2014. Under the lunch tree: fifty years of rainforest dynamics in Queensland, Australia. *Natural History Magazine*, March issue, pp. 32-37.
14. Harms, Kyle E. 2011. *The Quarterly Review of Biology* 86:40.
[Invited review of Herman A. Verhoef & Peter J. Morin, eds., *Community Ecology: Processes, Models, and Applications*.]
13. Harms, Kyle E. 2011. Tropical rain forest ecology. *Ecology* 92:1546-1547.
[Invited review of Jaboury Ghazoul & Douglas Sheil, *Tropical Rain Forest Ecology, Diversity, and Conservation*
Erratum: pg. 1547 – replace “birds],)” with “birds], pg. 265)"]
12. Harms, Kyle E. 2010. A celebration and exploration of Joseph H. Connell's conceptual and empirical influence, inspiration, and legacy in ecological research and education [Report on a symposium organized for the 2010 Ecological Society of America meeting]. *Bulletin of the Ecological Society of America* 91:464-466.
11. Harms, Kyle E., S. Joseph Wright, Osvaldo Calderón, Andrés Hernández & Edward Allen Herre. 2007. El reclutamiento dependiente-de-densidad aumenta la diversidad de plántulas en un bosque tropical. Pp. 543-547 in Egbert G. Leigh, Jr., E. Allen Herre, Jeremy B. C. Jackson & Fernando Santos-Granero, eds. *Ecología y Evolución en los Trópicos*. Editora Novo Art, Panama City, Panama.
[This chapter was translated, with permission, from *Nature* (2000) 404:493-495]
10. Wills, Christopher & Kyle Harms. 2006. Species diversity and ecosystem functioning - Response. *Science* 312:847-848.

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8. Muller-Landau, Helene C., James W. Dalling, Kyle E. Harms, S. Joseph Wright, Richard Condit, Stephen P. Hubbell & Robin B. Foster. 2004. Seed dispersal and density-dependent seed and seedling survival in *Trichilia tuberculata* and *Miconia argentea*. Pp. 340-362 in Elizabeth C. Losos & Egbert G. Leigh, Jr., eds. *Tropical Forest Diversity and Dynamism: Findings from a Large-Scale Plot Network*. Chicago University Press, Chicago, IL.
7. Gunatilleke, C. V. S., Shameema Esufali, I. A. U. N. Gunatilleke, Kyle E. Harms & David Burslem. 2003. Species-habitat associations in the forest dynamics plot at Sinharaja, Sri Lanka. *Inside CTFS: Newsletter of the Center for Tropical Forest Science*, summer volume, pp. 4-5, 11.
6. Harms, Kyle E. 2003. Torus-translation tests: Trees on a donut. *Inside CTFS: Newsletter of the Center for Tropical Forest Science*, summer volume, pp. 3, 10.
5. Harms, Kyle E. 2002. El tamaño de la semilla como una adaptación al daño físico. Pg. 349 in Manuel R. Guariguata & Gustavo H. Kattan, eds. *Ecología y Conservación de Bosques Neotropicales*. Ediciones LUR, Cartago, Costa Rica.
4. Harms, Kyle E. 2002. Limitación en la dispersión. Pp. 347-348 in Manuel R. Guariguata & Gustavo H. Kattan, eds. *Ecología y Conservación de Bosques Neotropicales*. Ediciones LUR, Cartago, Costa Rica.
3. Harms, Kyle E. 1997. Pruebas estadísticas útiles para investigaciones de campo. *Natura (Revista de la Universidad Autónoma de Chiriquí, Panamá)* 9:7-9.
2. Harms, Kyle E. 1996. ¿Cómo se miden los patrones de dispersión? Pp. 54-57 (pp. 70-74 in 2002 2nd edition) in Gregory S. Gilbert & Monica Mejía, eds. *Manual para las Investigaciones de Biología de Campo, Segunda Edición*. Smithsonian Tropical Research Institute, Panama.
1. Harms, Kyle E. 1996. The supply-side ecology of the forest on BCI: a role for dispersal limitation? *Inside CTFS: Newsletter of the Center for Tropical Forest Science*, summer volume, pg. 9.

SIGNATORY TO ADVOCACY OR POLICY-MOTIVATING PUBLICATIONS

4. Jiménez-Mejías, Pedro, Saúl Manzano, Vinita Gowda, Frank-Thorsten Krell, Mei-Ying Lin, Santiago Martín-Bravo, Laura Martín-Torrijos, Gonzalo Nieto Feliner, Sergei L. Mosyakin, Robert F. C. Naczi, Carmen Acedo, Inés Álvarez, Jorge V. Crisci, Modesto Luceño Garcés, John Manning, Juan Carlos Saiz, A. Muthama Muasya, Ricarda Riina, Andrea Sánchez Meseguer, Daniel Sánchez-Mata and 1543 signatories. 2024. Protecting stable biological nomenclatural systems enables universal communication: A collective international appeal. *BioScience* biae043, <https://doi.org/10.1093/biosci/biae043>.
[K. E. Harms contributed as one of the 1543 signatories]

3. Barber, Paul H., Tyrone B. Hayes, Tracy L. Johnson, Leticia Márquez-Magaña, and 10,234 signatories. 2020. Systemic racism in higher education. *Science* 369:1440-1441.
[K. E. Harms contributed as one of the 10,234 signatories]
2. Ripple, William J., Christopher Wolf, Thomas M. Newsome, Phoebe Barnard, William R. Moomaw, and 11,258 scientist signatories from 153 countries. 2020. World scientists' warning of a climate emergency. *BioScience* 70:8-12.
[K. E. Harms contributed as one of the signatories; 14,858 signatories as of March 2023]
1. Ripple, William J., Christopher Wolf, Thomas M. Newsome, Mauro Galetti, Mohammed Alamgir, Eileen Crist, Mahmoud I. Mahmoud, William F. Laurance, and 15,364 scientist signatories from 184 countries. 2017. World scientists' warning to humanity: a second notice. *BioScience* 67:1026-1028.
[K. E. Harms contributed as one of the 15,364 signatories]

GRANTS

FEDERAL (USA) GRANTS & COOPERATIVE AGREEMENT

- 2012-2016 National Science Foundation – Division of Environmental Biology, Population & Community Ecology Panel, “Collaborative research: diversity, dominance & disturbance in species-rich pine savanna groundcover,” Lead PI Kyle E. Harms & co-PI Jonathan A. Myers (awarded DEB 1144084) & collaborating PI Paul R. Gagnon (awarded DEB 1144079); \$530,000 (sum for the 2 separate collaborative awards)
- 2007-2009 Department of the Interior, National Park Service Cooperative Agreement, “Inventory of vascular plants on Gulf Islands National Seashore and Jean Lafitte National Historical Park and Preserve,” specifically, the sub-component “Ground-truthing vegetation at Jean Lafitte National Historical Park and Preserve (JELA) in support of LiDAR-based vegetation assessment for the Gulf Coast Network (GULN);” PI Lowell E. Urbatsch & co-PI Kyle E. Harms; \$94,000
- 2006-2009 National Science Foundation – Division of Environmental Biology, Ecological Biology Cluster, “Rainforest fragmentation and its impacts on Amazonian tree communities,” DEB 0614044; PI Kyle E. Harms & co-PI William F. Laurance; \$450,000
- 2005-2008 National Science Foundation – Division of Environmental Biology, Ecological Biology Cluster, “Ecological processes influencing local biodiversity in species-rich pine savanna groundcover,” DEB 0516175; PI Kyle E. Harms & co-PI William J. Platt; \$400,000
- 2003-2004 National Science Foundation – International Division, Americas Program, “An international training workshop on tropical soil properties and hydrology linked to existing forest dynamics projects,” OISE 0314581; PI Kyle E. Harms; \$55,000
- 2002-2005 National Science Foundation – Division of Environmental Biology, Ecology Section, “Collaborative research: effects of soil-borne resources on the

structure and dynamics of lowland tropical forests,” Lead PI James W. Dalling (awarded DEB 0212818), collaborating PI Kyle E. Harms (awarded DEB 0211004), collaborating PI Robert F. Stallard (awarded DEB 0212284) & collaborating PI Joseph B. Yavitt (awarded DEB 0211115); \$609,379 (sum for the 4 separate collaborative awards)

[For soils data, see:

<http://ctfs.si.edu/webatlas/datasets/bci/soilmaps/BCIsoil.html>

For soil sampling designs, see:

https://sites01.lsu.edu/faculty/kharms/wp-content/uploads/sites/23/2017/04/SoilSampleDesigns_CTFS_2008.xls]

OTHER GRANTS & SUB-CONTRACTS

- 2017 Sub-contract from La Trobe University to help conduct research on invasive yellow crazy ants (*Anoplolepis gracilipes*) on Christmas Island, Australia; \$2071
- 2014 Sub-contract from La Trobe University to help conduct the 50th anniversary re-census of Joseph H. Connell’s Davies Creek Forest Dynamics Plot, Queensland, Australia; \$5563
- 2005 Center for Tropical Forest Science Small Grant, “Creating identification resources for flowers, fruits, seeds, and seedlings from the Brazilian CTFS plot”; Charles E. Zartman (PI), Kyle E. Harms (co-PI) & Alexandre Adalardo de Oliveira (co-PI); \$8000
- 2005 Center for Tropical Forest Science Small Grant, “Rectifying taxonomy between the two Amazonian CTFS plots”; Alexandre Adalardo de Oliveira (PI) & Kyle E. Harms (co-PI); \$6500
- 2004 Smithsonian Tropical Research Institute Supplementary Research Award, “An international training workshop for soil science linked to forest dynamics plots”; Collaborating PIs: Kyle E. Harms, James W. Dalling, Robert F. Stallard & Joseph B. Yavitt; \$2606
- 2003-2005 Louisiana Board of Regents Research Competitiveness Grant, “Forest diversity and dynamics within Amazonian Brazil”; \$81,666
- 2003 Louisiana Board of Regents Travel Grant for Emerging Faculty; \$750
- 2003 Smithsonian Tropical Research Institute Supplementary Research Award, “An international training workshop for soil science linked to forest dynamics plots”; Collaborating PIs: James W. Dalling, Kyle E. Harms, Robert F. Stallard & Joseph B. Yavitt; \$4500
- 2002 Louisiana State University Council on Research Grant, “Consequences of nutrient limitation for the species diversity of tropical forests”; \$5000
- 1997-1999 Smithsonian Scholarly Studies Grant, “Nutrient augmentation in a lowland tropical forest”; S. Joseph Wright (PI), Kyle E. Harms (co-PI) & Joseph B. Yavitt (co-PI); \$70,000
- 1994 Oxford Scientific Films Exploratory Research Grant, “Ecology and sustainable harvest of Tagua in the Darien, Panama”; Collaborating PIs: James W. Dalling & Kyle E. Harms; \$500

- 1994 Smithsonian Tropical Research Institute Internship, “Seedling responses to cotyledon removal”; awarded to Kyle E. Harms & James W. Dalling to support Rafael Aizprúa, undergraduate student, Universidad de Panamá; \$2800
- 1993 Sigma Xi Grant-in-Aid of Research, “Habitat-specialization of tree species on Barro Colorado Island, Panama”; \$700

NATURAL HISTORY COLLECTIONS

PRINCIPAL COLLECTED SPECIMENS

Louisiana State University Shirley C. Tucker Herbarium – Herbarium Code LSU

[KEH's collection numbers 1-115 (collection notes available upon request), primarily herbaceous and other groundcover species from Louisiana pine savannas; scanned images available through SouthEast Regional Network of Expertise & Collections (SERNEC) website; search for Collector “Kyle E. Harms”: <https://serneportal.org/portal>]

SPECIES DISCOVERY / INSECT HOLOTYPES

Carmenta foraseminis [Lepidoptera: Sesiidae], collected by K. E. Harms in Panama

[Deposited in Smithsonian Institution National Museum of Natural History; see: T. D. Eichlin (1995) *Journal of the Lepidopterists' Society* 49:39-42 (holotype information on pg. 40)]

Cladochaeta psychotria [Diptera: Drosophilidae], collected by K. E. Harms in Costa Rica

[Deposited in American Museum of Natural History; see: D. Grimaldi & T. Nguyen (1999) *Bulletin of the American Museum of Natural History*, no. 241, 326 pp. (holotype information on pg. 105; "Kyle P. Harms" is incorrect and should be replaced with "Kyle E. Harms")]

SOFTWARE DEVELOPMENT

FORESTGEO (*fgeo*) R PACKAGE

K. E. Harms contributed R code to this multi-authored software package, principally for torus-translation tests, *i.e.*, the `tt_test()` function; this is the test he published in Harms *et al.* (2001)

[Current version: <https://forestgeo.github.io/fgeo>]

AWARDS, HONORS & OTHER RECOGNITION

AWARDS & HONORS

- 2024 Photo contest 3rd place, "Research Applications & Biodiversity Solutions," Association for Tropical Biology & Conservation and Soc. for Tropical Ecology [Photo contest winners: <https://tropicalbiology.org/thematic-sections/photography>]
- 2018 American Association for the Advancement of Science (AAAS) – Elected Fellow
[Complete list of 2018 Fellows: *Science* (2018) 362:1010-1013; <https://www.aaas.org/news/aaas-honors-accomplished-scientists-2018-elected-fellows>]
LSU biographical video:

- <https://www.youtube.com/watch?v=qgrMRWrXdus&t=18s>
- 2011 LSU Tiger Athletic Foundation President's Award for Teaching
- 2008 LSU Rainmaker – one of the year's top 100 research & creative faculty – awarded by the LSU Office of Research & Economic Development
- 2007 LSU George H. Deer Distinguished Teaching Award
- 2007 LSU Chapter of Phi Kappa Phi and Alumni Association Outstanding Non-Tenured Professor in Natural and Physical Sciences
- 2007 LSU College of Basic Sciences Faculty Research Award – awarded to untenured and recently tenured faculty
- 1995 Sigma Xi, the Scientific Research Society – Full Member

SELECTED EXAMPLES OF PRE-BACCALAUREATE ACTIVITIES, AWARDS, ETC.

- 1990 Phi Kappa Phi Academic Honor Society
Wallace E. Barron All-University Award for Outstanding Scholarship, Leadership & Service, Iowa State University (ISU)
[Awards and lifetime membership in the ISU Alumni Association were conferred upon four graduating seniors]
- 1989 Summer Session Scholarship for Bamfield Marine Station, British Columbia, Canada
[*Seabird Ecology* – 3-credit summer-session course; credits through University of Alberta]
- 1988 ISU Cardinal Key Honor Society
ISU W. Robert Parks & Ellen Sorge Parks Senior Scholarship
Mortar Board Honor Society
Order of Omega Honor Society
[As member of ISU FarmHouse Fraternity]
Phi Beta Kappa Academic Honor Society
- 1986 Professional Association of Diving Instructors (PADI) certified Open Water SCUBA Diver
- 1985-1986 ISU Cyclone Football "Varsity" Marching Band
[As member of "Tenor Eleven" tenor saxophone line]
- 1985 ISU VEISHEA Leadership Scholarship
[Awards were made to six freshmen prior to matriculation]
- 1984-1985 President of Senior Class at Spirit Lake High School, Spirit Lake, IA
- 1984-1985 President of Pan Am (Spanish) Club at Spirit Lake High School, Spirit Lake, IA
- 1984 Youth for Understanding Japan / U.S. Senate Exchange Scholarship
[Two-month foreign exchange homestay to Nagano, Japan]
- 1983 Eagle Scout
- 1982 Freshman of the Year at Lathrop High School, Fairbanks, AK
[Awards were made to two students]

1981 Professional Association of Diving Instructors (PADI) certified Basic SCUBA Diver

ACADEMIC ADVISING, MENTORING, TEACHING & TRAINING

POST-DOCTORAL RESEARCHERS SUPERVISED

Gagnon, Paul R. – 2007-2008

Ecological processes that influence the dominant grasses of pine savannas
Current position: U. S. Army Corps of Engineers, Institute of Water Resources, Alexandria, VA

John Chandran, Robert – 2004-2006

(K. E. Harms was co-advisor; Dr. James W. Dalling, U. Illinois, was primary advisor)
Soil-borne influences on diversity, dynamics, and distribution of tropical trees
Current position: Associate Professor, Indian Institute of Science Education and Research, Kolkata, India

Passmore, Heather A. – 2005-2008

Processes that influence local biodiversity in pine savanna groundcover
Current position: Senior Data Scientist, GreatSchools, Oakland, CA

Tsai, Yi-Hsin Erica – 2010-2012

(K. E. Harms was co-advisor; Dr. Bryan C. Carstens, LSU, was primary advisor)
NSF Bioinformatics Post-doctoral Fellow
Current position: Data Scientist, Boulder, CO

Zartman, Charles E. – 2004-2005

Diversity and dynamics of an Amazonian forest
Current position: Research Curator of Cryptogams, Instituto Nacional de Pesquisas da Amazônia, Manaus, Brazil

GRADUATE STUDENTS SUPERVISED

Current, at LSU in K. E. Harms's Research Group

Martin, Ezekiel – Ph.D. student, 2024-present

Subject of dissertation research: Plant-animal species interactions; pollination ecology

Vincent, Maggie C. – Ph.D. student, 2020-present

Subject of dissertation research: Evolution of courtship and mating behavior

Degree completed at LSU in K. E. Harms's Research Group

Barker, Carrie A. – Ph.D., 2022

Dissertation: Understanding community assembly processes of foundation species within hyper-diverse ecosystems
Current position: Botanical Team Manager, US Geological Survey, Reno, NV

Bravo, Adriana – Ph.D., 2009

Dissertation: *Collpas* as activity hotspots for frugivorous bats (Phyllostomidae) in the Peruvian Amazon: Underlying mechanisms and conservation implications
Current position: Teaching Stream, University of Toronto

Carlson, Jane E. – Ph.D., 2007

Dissertation: Floral traits, pollinator behavior, and plant reproduction: tests of natural and sexual selection in the hummingbird-pollinated herb *Chrysothemis friedrichsthaliana*
Current position: US National Park Service Ecologist, Gulf Coast Network Inventory & Monitoring Program, Lafayette, LA

Galeano, Sandra P. – Ph.D., 2016

- Dissertation: Ecological assembly of leaf-litter anuran communities across a Neotropical land-bridge archipelago
 Current position: Líder Colecciones Anfibios y Reptiles, Instituto Humboldt, Colombia
- Hovanes, Katherine A. – Ph.D., 2019
 Dissertation: Spatial patterns of dominant bunchgrass species in pine savanna groundcover plant communities
 Current position: Visiting Assistant Professor of Biology, Washington College, Chestertown, MD
- Klock, Metha M. – Ph.D. 2015
 Dissertation: The role of rhizobial mutualisms in the establishment and colonization of exotic *Acacia* species in novel ranges
 Current position: Conservation Science Manager, Pepperwood Preserve, CA
- Kosiba, Scott L. – Ph.D. 2019
 Dissertation: Dynamics of resprouting and forest regeneration following anthropogenic land use in the central Amazon Basin
 Advisee of G. Bruce Williamson initially; K. E. Harms served initially on his graduate committee, then became his formal Ph.D. advisor during the final year, after G. B. Williamson retired
 Current position: Executive Director, Friends of the Bridger-Teton, Jackson Hole, WY
- Myers, Jonathan A. – Ph.D. 2010
 Dissertation: Ecological assembly of high-diversity plant communities: Dispersal, competition, and environmental filtering in longleaf pine savannas
 Current position: Professor, Washington University, St. Louis, MO
- Paine, C. E. Timothy – Ph.D., 2007
 Dissertation: Ecological factors affecting the diversity of tropical tree seedlings
 Current position: Ecology Team Manager, Succession Ecology, Adelaide, Australia
- Reid, Ellen M. – M.S. 2010
 Thesis: Patterns and mechanisms of the exploitation of mutualisms
 Current position: Undergraduate Program Manager, Electrical Engineering & Computer Science, Massachusetts Institute of Technology, Cambridge, MA
- Santiago-Rosario, Luis Y. – Ph.D. 2022
 Dissertation: Sodium mediates developmentally plastic responses in plants and herbivores
 Current position: National Science Foundation Post-doctoral Research Fellow, University of Minnesota

Degree completed at an institution other than LSU

- Sánchez de Stapf, María – Maestría, 2001, Universidad Santa María la Antigua, Panama
 (K. E. Harms advised her maestría [master's] degree thesis project; Dr. Cecilia Guerra, Universidad Santa María la Antigua, was her formal adviser from the university)
 Thesis: Estudio sobre la ecología y morfología funcional de *Capparis antonensis* Woodson (Capparaceae)
 Current position: Professor, Departamento de Botánica, Facultad de Ciencias Naturales, Exactas y Tecnología, Universidad de Panamá

GRADUATE STUDENT COMMITTEES

Current, at LSU (Department of Biological Sciences, or as otherwise indicated)

- Aoun, Rita – Ph.D. advisee of Mandi Lopez, School of Veterinary Medicine (K. E. Harms serves as Graduate School Dean's Representative)
- Ball, Laymon – Ph.D. advisee of Laura P. Lagomarsino

Caccamesi, Kyle – M.S. advisee of Thomas J. Dean, School of Renewable Natural Resources
Daniels, Jada – Ph.D. advisee of Jiaqi Tan
Feng, Xiyan – Ph.D. advisee of Jiaqi Tan
Ita, Richard – Ph.D. advisee of Gaurav Kandlikar
Jawad, Wissam – Ph.D. advisee of Morgan W. Kelly
Jha, Rohit – Ph.D. advisee of Gaurav Kandlikar (originally with Daijiang Li, until he moved away from LSU in 2024)
Krivchenia, Aaron – Ph.D. advisee of James T. Cronin
Mikolinski, Andrew – Ph.D. advisee of James T. Cronin
Rougeau, Kale – Ph.D. advisee of Bret D. Elderd
Sanford, Andrew – M.S. advisee of Todd D. Johnson (Department of Entomology)

Previous, at LSU (Department of Biological Sciences, or as otherwise indicated)

Allen, Warwick – Ph.D. awarded 2016; advisee of James T. Cronin
Anderson, David – Ph.D. awarded 2010; advisee of J. Van Remsen
Baer, Ashley Melancon – Ph.D. awarded 2019; advisee of James H. Cowan, Department of Oceanography & Coastal Sciences (K. E. Harms served as Graduate School Dean's Representative)
Bambarger, Raynie – M.S. awarded 2006; advisee of Kenneth M. Brown
Barakat, Sami – Master of Natural Science (non-thesis option) awarded 2022; advisee of Alyssa Johnson
Bascom, Karen – former advisee of William J. Platt (K. E. Harms served on committee while she was a graduate student at LSU)
Bhattarai, Ganesh – Ph.D. awarded 2014; advisee of James T. Cronin
Blanchard, Matt – M.S. awarded 2020; advisee of William J. Platt
Bonin, Jonathan – former advisee of Dominique G. Homberger (K. E. Harms served on committee while he was a graduate student at LSU)
Brady, Matthew – M.S. awarded 2017; advisee of J. Van Remsen
Bravo, Gustavo – Ph.D. awarded 2012; advisee of J. Van Remsen
Brooks, Katherine – Ph.D. awarded 2014; advisee of Pamela Blanchard & Margaret-Mary Sulentic Dowell, School of Education (K. E. Harms served as Graduate School Dean's Representative)
Burner, Ryan – Ph.D. awarded 2019; advisee of Fred H. Sheldon
Cagle, Grace – Ph.D. awarded 2021; advisee of Aixin Hou, Department of Environmental Science
Callegan, Ryan – former advisee of Frederick A. Rainey (K. E. Harms served on committee while he was a graduate student at LSU)
Carmichael, Becky – Ph.D. awarded 2012; advisee of William J. Platt
Carr, Susan – former advisee of William J. Platt (K. E. Harms served on committee while she was a graduate student at LSU)

- Chappell, James – Ph.D. awarded 2008; advisee of Marc A. Cohn, Department of Plant Pathology
- Chen, Xuan – Ph.D. awarded 2016; advisee of Linda Hooper-Bùi, Department of Entomology
- Chow, Anthony – M.S. awarded 2014; advisee of James T. Cronin
- Cozic, Amanda – former advisee of Dominique G. Homberger (K. E. Harms served on committee while she was a graduate student at LSU)
- Cramer, Jennifer – Ph.D. awarded 2007; advisee of G. Bruce Williamson
- Crandall, Raelene – Ph.D. awarded 2010; advisee of William J. Platt
- Dantin, Adriana – M.S. awarded 2012; advisee of Bret D. Elder
- De Gallardo, Kamela – Ph.D. awarded 2022; advisee of William E. Kelso, School of Renewable Natural Resources (K. E. Harms served as Graduate School Dean's Representative)
- Del-Rio, Glaucia – Ph.D. awarded 2022; advisee of Robb T. Brumfield and Brant Faircloth
- DeMarco, Kristin – Ph.D. awarded 2018; advisee of Megan La Peyre, School of Renewable Natural Resources
- Dillemoth, Forrest – Ph.D. awarded 2012; advisee of James T. Cronin
- Elliott, Jacqueline Elizabeth – Ph.D. advisee of Rebecca C. Christofferson & John P. Hawke, School of Veterinary Medicine (K. E. Harms served as Graduate School Dean's Representative)
- Faldyn, Matthew – Ph.D. awarded 2019; advisee of Bret D. Elder
- Ferro, Mike – Ph.D. awarded 2011; advisee of Christopher E. Carlton, Department of Entomology
- Flick, Andrew – Ph.D. awarded 2019; advisee of Bret D. Elder
- Gagnon, Paul – Ph.D. awarded 2006; advisee of William J. Platt
- Gamborg, Leiflyn – former advisee of Pamela Blanchard, School of Education (K. E. Harms served as Biological Sciences Minor Professor)
- Gavilanez, Maria – Ph.D. awarded 2013; advisee of Richard D. Stevens
- Gibbons, Richard – Ph.D. awarded 2011; advisee of J. Van Remsen
- Hakes, Alyssa – Ph.D. awarded 2010; advisee of James T. Cronin
- Harman, Rachel – Ph.D. awarded 2020; advisee of James T. Cronin
- Harms, Nathan – Ph.D. awarded 2020; advisee of James T. Cronin
- Haynes, Kyle – Ph.D. awarded 2004; advisee of James T. Cronin
- Hillmann, Eva – Ph.D. awarded 2018; advisee of Megan La Peyre, School of Renewable Natural Resources
- Hodges, J. Cullen – former advisee of Dominique G. Homberger (K. E. Harms served on committee while he was a Homberger advisee)
- Huffman, Jean – Ph.D. awarded 2006; advisee of William J. Platt
- Jackson, Heather – Ph.D. awarded 2010; advisee of James T. Cronin
- Jirinec, Vitek – Ph.D. awarded 2021; advisee of Philip C Stouffer, School of Renewable Natural Resources
- Johnson, David – Ph.D. awarded 2008; advisee of John W. Fleeger

- Kandalepas, Demetra – Ph.D. awarded 2012; advisee of William J. Platt
- Koenig, Justyn – former advisee of Sarah Mathews (K. E. Harms served on committee while he was a graduate student at LSU)
- Langlois, Garret – former advisee of Richard D. Stevens (K. E. Harms served on committee while he was a graduate student at LSU)
- Lawrence, Erin – former advisee of William J. Platt (K. E. Harms served on committee while she was a graduate student at LSU)
- Legoria, Mary – Ph.D. awarded 2012; advisee of James H. Wandersee, Department of Educational Theory, Policy & Practice (K. E. Harms served as Graduate School Dean's Representative)
- Leichty, Ellen – Ph.D. awarded 2010; advisee of William J. Platt
- LeJeune, Jason – Ph.D. awarded 2010; advisee of David Spivak, Department of Chemistry (K. E. Harms served as Graduate School Dean's Representative)
- Longworth, Benjy – Ph.D. awarded 2018; advisee of G. Bruce Williamson
- Maliakal Witt, Satya – Ph.D. awarded 2004; advisee of Julie S. Denslow
- McAllister, Chris – former advisee of Thomas E. Reagan, Department of Entomology (K. E. Harms served as Graduate School Dean's Representative while he was a graduate student at LSU)
- McCulloch, Eve – Ph.D. awarded 2012; advisee of Richard D. Stevens
- Nabatilan, Marilou – Ph.D. awarded 2009; advisee of William M. Moe, Department of Civil & Environmental Engineering (K. E. Harms served as Graduate School Dean's Representative)
- Naoki, Kazuya – Ph.D. awarded 2003; advisee of J. Van Remsen
- Palasz, Laura – M.S. awarded 2008; advisee of Philip C Stouffer, School of Renewable Natural Resources
- Patrick, Lorelei – Ph.D. awarded 2014; advisee of Richard D. Stevens (K. E. Harms served as formal co-advisor for her dissertation defense, since Stevens had by then moved from LSU to Texas Tech University)
- Phelps, Jamie – Ph.D. awarded 2024; advisee of K. E. Harms from 2019 to 2022, then in 2022, she became a Ph.D. advisee of Morgan W. Kelly, while K. E. Harms remained on her committee
- Potts, Stephen – Ph.D. awarded 2022; began as Ph.D. advisee of William J. Platt, then defended as advisee of Michael Hellberg
- Powell, Luke – Ph.D. awarded 2013; advisee of Philip C Stouffer, School of Renewable Natural Resources
- Radtke, Meghan – Ph.D. awarded 2006; advisee of G. Bruce Williamson
- Reyes Mendez, Evelin Y. – former advisee of Daijiang Li (K. E. Harms served on her committee while she was an advisee of Daijiang Li)
- Rodrigues, Patricia – Ph.D. awarded 2024; advisee of Philip C Stouffer, School of Renewable Natural Resources
- Rutt, Cameron – Ph.D. awarded 2020; advisee of Philip C Stouffer, School of Renewable Natural Resources (K. E. Harms served as Biological Sciences Minor Professor)
- Sagot, Maria – Ph.D. awarded 2012; advisee of Richard D. Stevens
- Seeholzer, Glenn – Ph.D. awarded 2017; advisee of Robb T. Brumfield

- Smith, Kelcee – Ph.D. awarded 2021; advisee of Sabrina S. Taylor, School of Renewable Natural Resources (K. E. Harms served as Graduate School Dean's Representative for her General Exam, but for schedule-conflict reasons could not participate for her Dissertation Defense)
- Tello, Juan Sebastián – Ph.D. awarded 2011; advisee of Richard D. Stevens
- Ten Caten, Cléber – former advisee of Tad A. Dallas (K. E. Harms served on committee while he was a graduate student at LSU)
- Terrebonne Daigle, Sara – M.S. awarded 2011; advisee of John W. Fleeger
- Thaxton, Jarrod – Ph.D. awarded 2003; advisee of William J. Platt
- Umlang, Lance – Ph.D. awarded 2023; advisee of William J. Platt
- Vargas, Yalma – M.S. awarded 2005; advisee of William J. Platt
- Wang, Kelin – Ph.D. awarded 2019; advisee of Kermit K. Murray, Department of Chemistry (K. E. Harms served as Graduate School Dean's Representative)
- Wolfe, Jared – Ph.D. awarded 2014; advisee of Philip C Stouffer, School of Renewable Natural Resources

Previous, at institutions other than LSU

- Walleit, Whitney D. – M.S. awarded 2015; advisee of Paul R. Gagnon, Department of Biological Sciences, Murray State University, Murray, KY

STUDENTS SUPERVISED FOR NON-DISSERTATION, NON-THESIS RESEARCH EXPERIENCE

LSU Students

- Algamal, Mohamed – 2022 (1 semester) undergraduate research volunteer with Ph.D. student Jamie Phelps
- Aristizábal, Natalia – 2009-2010 (2 semesters) Ronald E. McNair Research Scholar; 2010 (1 semester) undergraduate independent research (BIOL 3999); 2007-2008 (4 semesters) undergraduate research assistant, funded by NSF DEB 0516175
- Bantuelle, Jordan – 2009 (1 semester) undergraduate independent research (BIOL 3999) student
- Brescher, Claire – 2021 (1 semester) undergraduate research assistant, funded by LSU President's Aide Scholarship; assisted Ph.D. student Carrie Barker
- Browning, Andrew – 2006 (1 semester) undergraduate research student, funded by an LSU Chancellor's Aide Fellowship and by NSF DEB 0516175
- Cao, Lilly – 2019 (1 semester) undergraduate independent research (BIOL 3999) student
- Colosimo, Sarah – 2007 (2 weeks) undergraduate research assistant, funded by NSF DEB 0516175
- Day, Melissa – 2005-2006 (2 semesters) undergraduate research assistant, funded by NSF DEB 0516175
- Emery, Felicia – 2004-2005 (3 semesters) undergraduate research student, funded by the Federal Work-Study Program and by NSF DEB 0516175, and undergraduate independent research (BIOL 3999) student, co-supervised with William J. Platt
- Flores-Acosta, Michelle – 2021 (1 semester) undergraduate research volunteer with Ph.D. student Carrie Barker
- Foster, Mia – 2021 (1 semester) undergraduate research volunteer with Ph.D. student Carrie Barker

- Goodnow, Zachary – 2012-2014 (4 semesters) undergraduate research student, funded by the LSU Chancellor's Future Leaders in Research Program and by NSF DEB 1144084
- Hobson, Wendy – 2007 (1 summer) research assistant after baccalaureate graduation, funded by NSF DEB 0516175
- Hopkins, Brooke – 2002-2003 (4 semesters) undergraduate research student, funded by an LSU Chancellor's Aide Fellowship
- Kerns, Morgan – 2009-2011 (5 semesters) undergraduate research student, funded by an LSU Chancellor's Aide Fellowship; assisted Ph.D. students Metha Klock and Jonathan Myers
- Lazar, Ally – 2018-2019 (2 semesters) undergraduate research volunteer with Ph.D. student Luis Santiago-Rosario
- May, John-Michael – 2004, 2005 (2 semesters) undergraduate independent research (BIOL 3999) student and research assistant after baccalaureate graduation, funded by NSF DEB 0516175
- Norman, Stephanie – 2005-2006 (3 semesters) undergraduate research student, funded by the Federal Work-Study Program and by NSF DEB 0516175
- Onyenekwu, Ikenna – 2007 (1 semester) undergraduate independent research (BIOL 3999) student
- Perret, Kahle – 2021 (1 semester) undergraduate research volunteer with Ph.D. student Carrie Barker
- Reed, Getorian – 2006 (1 semester) undergraduate research student, funded by the Federal Work-Study Program and by NSF DEB 0516175; assisted Ph.D. student Jane Carlson
- Savoie, Christian – 2004 (1 semester) research assistant after baccalaureate graduation, co-supervised with William J. Platt
- Truong, Phuong – 2005-2006 (2 semesters) undergraduate research student, funded by the Federal Work-Study Program and by NSF DEB 0516175
- Venigalla, Sirisha – 2002 (1 semester) Master's student research assistant from the Department of Electrical Engineering
- Vinson, Abigail – 2016-2017 (3 semesters) undergraduate research student, funded by the LSU President's Future Leaders in Research Program
- Wallace, Colleen – 2004-2006 (5 semesters) undergraduate research student, funded by the Federal Work-Study Program and by NSF DEB 0516175, and undergraduate independent research (BIOL 3999) student
- Weisenhorn, Pamela – 2004 (1 summer) research assistant after baccalaureate graduation, funded by K. E. Harms's faculty start-up package at LSU; assisted Ph.D. student Tim Paine
- Weltman, Elizabeth – 2012-2014 (4 semesters) undergraduate research student, funded by the LSU Chancellor's Future Leaders in Research Program and by NSF DEB 1144084
- Wilson, Rachanda – 2004 (1 semester) undergraduate independent research (BIOL 3999) student, co-supervised with William J. Platt
- Zare, Sara – 2022 (1 semester) undergraduate research volunteer with Ph.D. student Jamie Phelps

Students at institutions other than LSU

- Aizprúa, Rafael – 1994 (1 semester), undergraduate from the Universidad de Panamá, funded by Smithsonian Tropical Research Institute Internship

Arrocha, María – 1998-1999 (2 years), undergraduate from the Universidad de Panamá, funded by Smithsonian Scholarly Studies Grant

Peterson, Andrew – 1998 (1 summer), undergraduate from the University of Idaho, funded by Smithsonian Tropical Research Institute Volunteer Program

Thorsos, Eileen – 2002 (1 summer), undergraduate from Swarthmore College, funded by Swarthmore Summer Fellowship

Wickner, Paige – 1999 (1 semester), undergraduate from Yale University, funded by Smithsonian Tropical Research Institute Volunteer Program

**UNDERGRADUATE COMMUNICATION ACROSS THE CURRICULUM (CXC)
FACULTY ADVISOR FOR DISTINGUISHED COMMUNICATOR AWARD**

Previous, at LSU (Department of Biological Sciences)

Drachman, Nicole – graduated 2022; CxC Distinguished Communicator Certificate & Medal

UNDERGRADUATE HONORS STUDENT COMMITTEES

Current & previous, at LSU (Department of Biological Sciences, or as otherwise indicated)

Arvie, Breonna – thesis defended 2020; advisee of Prosanta Chakrabarty

Benson, Katie – thesis defended 2015; advisee of Michael E. Hellberg

Carroll, Melanie – thesis defended 2014; advisee of Kenneth L. Matthews II, Department of Physics & Astronomy

Cooper, Amanda – thesis defended 2014; advisee of Dominique G. Homberger

Handy, Christopher – thesis defended 2016; advisee of Kathleen Searles, Manship School of Mass Communication

Hudson, Catherine – thesis defended 2015; advisee of Achim D. Herrmann, Department of Geology & Geophysics

Ibrahim, Ayah – thesis defended 2020; advisee of Laura P. Lagomarsino

McCarron, Margaret – thesis defended 2018; advisee of Grover L. Waldrop

McVicker, Christopher – thesis defended 2016; advisee of Karen Maruska (K. E. Harms served as formal co-advisor for the thesis defense, since Maruska was unable to attend the defense)

Slaton, Bonnie – thesis defended 2013; advisee of Sabrina S. Taylor, School of Renewable Natural Resources

COURSES TAUGHT AT LSU

Semester	Course title (catalog number)	Number of credit hours ¹	Number of students	Evaluation of K. E. Harms ² / college mean for comparison <small>3,4,5,6,7</small>
2025 – Spring	Conservation Biology Lab (BIOL 4017) ^{8,9}	2	18 undergrad.	Not yet available
2025 – Spring	Conservation Biology (BIOL / RNR 4015) ^{8,10}	4	45 undergrad.	Not yet available

2024 – Fall	Current Topics in Ecology (BIOL 7901)	1	13 graduate	Not applicable
2024 – Spring	Community Ecology (BIOL 7083)	3	15 graduate	3.80 / 3.43 ⁶
2024 – Spring	Conservation Biology Lab (BIOL 4017) ^{8,9}	2	18 undergrad.	Not applicable (evaluation for TA)
2024 – Spring	Conservation Biology (BIOL / RNR 4015) ^{8,10}	4	43 undergrad.	BIOL 4.00 / 3.43 ⁶ RNR 4.83 / 4.53 ⁶
2023 – Spring	Conservation Biology Lab ⁸ (BIOL 4017)	2	19 undergrad.	Not applicable (evaluation for TA)
2023 – Spring	Conservation Biology (BIOL / RNR 4015) ^{8,9,10}	4	45 undergrad.; 1 graduate	BIOL 3.82 / 3.58 ⁶ RNR 4.78 / 4.48 ⁶
2022 – Spring	Community Ecology (BIOL 7083)	3	12 graduate	4.00 / 3.42 ⁶
2022 – Spring	Principles of Ecology (BIOL 4253) ¹⁰	3	64 undergrad.	3.78 / 3.42 ⁶
2021 – Fall	The Science, Evidence & Ethics of Global Anthropogenic Environmental Change; taught through the LSU Ogden Honors College (HNRS 1035)	3	22 undergrad.	4.5 / 4.7 ⁷
2021 – Spring ¹¹	Current Topics in Ecology (BIOL 7901)	1	11 graduate	Not applicable
2021 – Spring ¹¹	Community Ecology (BIOL 7083)	3	18 graduate	3.83 / 3.57 ⁵
2020 – Spring ¹¹	Principles of Ecology (BIOL 4253) ¹⁰	3 (2 sections)	52 (Sec. 1) & 62 (Sec. 2) undergrad.	3.83 / 3.42 ⁶ 3.71 / 3.42 ⁶
2019 – Spring	Principles of Ecology (BIOL 4253) ⁹	3 (2 sections)	58 (Sec. 1) & 30 (Sec. 2) undergrad.	3.69 / 3.39 ⁶ 3.17 / 3.39 ⁶
2019 – Spring	Undergraduate Research in Biological Sciences (BIOL 3999)	3 for Cao	1 undergrad.	Not applicable
2018 – Fall	Community Ecology (BIOL 7083)	3	10 graduate	3.8 / 3.6 ⁵
2018 – Spring	Topics in Ecology (BIOL 7901)	1	11 graduate	Not applicable
2018 – Spring	Principles of Ecology (BIOL 4253) ¹⁰	3 (2 sections)	51 (Sec. 1) & 66 (Sec. 2) undergrad.	3.53 / 3.58 ⁴ 3.43 / 3.58 ⁴
2016 – Spring	Multiple Stable States in Natural Ecosystems (BIOL 7901)	1	6 graduate	4.00 / 3.69 ⁵
2016 – Spring	Community Ecology (BIOL 7083)	3	9 graduate & 1 undergrad.	3.89 / 3.69 ⁵
2016 – Spring	Principles of Ecology (BIOL 4253) ¹⁰	3 (2 team-taught sections; Erik	53 (Sec. 1) & 76 (Sec. 2) undergrad.	3.71 / 3.51 ⁴ 3.75 / 3.51 ⁴

2015 – Fall	Principles of Ecology (BIOL 4253) ¹⁰	Aschehoug co-instructor) 3	50 undergrad.	3.89 / 3.61 ⁴
2015 – Spring	Principles of Ecology (BIOL 4253) ¹⁰	3 (2 sections)	50 (Sec. 1) & 78 (Sec. 2) undergrad.	3.27 / 3.61 ⁴ 3.36 / 3.61 ⁴
2014 – Fall	Principles of Ecology (BIOL 4253) ¹⁰	3	35 undergrad.	3.83 / 3.58 ⁴
2014 – Spring	Community Ecology (BIOL 7083)	3	15 graduate	4.00 / 3.73 ⁵
2013 – Spring	R for Ecologists ¹² (BIOL 7901)	1	14 graduate	Not applicable
2013 – Spring	Community Ecology (BIOL 7083)	3	9 graduate	4.00 / 3.89 ⁵
2012 – Fall	Conservation Biology ^{13,14,15} (BIOL / ENTM 4015, Communication Intensive)	4	30 undergrad. & 1 graduate	3.74 / 3.61 ⁴
2012 – Spring	Community Ecology (BIOL 7083)	3	10 graduate	4.00 / 3.67 ⁵
2011 – Fall	Conservation Biology ^{10,13,14,15} (BIOL / ENTM 4015, Communication Intensive)	4	29 undergrad.	3.80 / 3.55 ⁴
2010 – Fall	Conservation Biology ^{13,14} (BIOL / ENTM 4015, Communication Intensive; BIOL 4800)	BIOL 4015 = 4; BIOL 4800 = 3	BIOL / ENTM 4015 = 28 undergrad.; BIOL 4800 = 15 undergrad.	BIOL 4015 = 4.00 / 3.48 ⁴ ; BIOL 4800 = 4.00 / 3.48 ⁴
2010 – Spring	Conservation Biology (BIOL / ENTM 4015, Communication Intensive; BIOL 4800)	BIOL 4015 = 4; BIOL 4800 = 3	BIOL / ENTM 4015 = 19 undergrad.; BIOL 4800 = 15 undergrad.	BIOL 4015 = 3.25 / 3.51 ⁴ ; BIOL 4800 = 3.93 / 3.51 ⁴
2010 – Spring	Undergraduate Research in Biological Sciences (BIOL 3999)	3 for Aristizábal	1 undergrad.	Not applicable
2009 – Fall	R for Ecologists ¹² (BIOL 7901)	1	15 graduate	Not applicable
2009 – Fall	Community Ecology (BIOL 7083)	3	19 graduate	3.88 / 3.74 ⁵
2009 – Fall	Undergraduate Research in Biological Sciences (BIOL 3999)	2 for Bantuelle	1 undergrad.	Not applicable
2009 – Spring ¹⁴	Conservation Biol. ¹⁰ (BIOL / ENTM 4015, Communication Intensive; BIOL 4800)	BIOL 4015 = 4; BIOL 4800 = 3	BIOL / ENTM 4015 = 26 undergrad.; BIOL 4800 = 16 undergrad.	BIOL 4015 = 3.80 / 3.48 ⁴ ; BIOL 4800 = 3.71 / 3.48 ⁴
2007 – Fall	Community Ecology	3	13 graduate	3.85 / 3.76 ⁵

2007 – Fall	(BIOL 7083) Biology for Science Majors II	3	241 undergrad.	3.40 / 3.26 ³
2007 – Summer	(BIOL 1202) Undergraduate Research in Biological Sciences (BIOL 3999)	3 for Onyenekwu	1 undergrad.	Not applicable
2007 – Spring	Biology for Science Majors II (BIOL 1202)	3	254 undergrad.	3.62 / 3.28 ³
2006 – Fall	Current Controversies in Ecology (BIOL 7901)	1	22 graduate	Not applicable
2006 – Fall	Biology for Science Majors II (BIOL 1202)	3 (2 team- taught sections; Kenneth Brown co- instructor)	228 (Sec. 2) & 210 (Sec. 3) undergrad.	3.32 / 3.27 ³ 3.42 / 3.27 ³
2005 – Fall ¹⁴	Community Ecology (BIOL 7083)	3	16 graduate	9.556 / 8.876 ⁵
2005 – Fall ¹⁴	Biology for Science Majors II (BIOL 1202)	3	197 undergrad.	9.293 / 7.608 ³
2005 – Spring	Undergraduate Research in Biological Sciences (BIOL 3999)	2 for Emery 2 for Wallace	2 undergrad.	Not applicable
2005 – Spring	Biology for Science Majors II (BIOL 1202)	3	234 undergrad.	8.359 / 7.550 ³
2004 – Fall	Community Ecology (BIOL 7083)	3	15 graduate	9.333 / 8.741 ⁵
2004 – Fall	Undergraduate Research in Biological Sciences (BIOL 3999)	2 for Emery	1 undergrad.	Not applicable
2003 – Fall	Developmental Plasticity and Evolution (BIOL 7901)	1	12 graduate & 1 undergrad.	Not applicable
2003 – Fall	Community Ecology (BIOL 7083)	3	13 graduate	8.667 / 7.813 ⁶
2003 – Fall	General Biology (BIOL 1002)	3	214 undergrad.	8.571 / 7.813 ⁶
2003 – Spring	General Biology (BIOL 1002)	3	215 undergrad.	8.750 / 7.962 ⁶
2002 – Spring	General Biology (BIOL 1002)	3	90 undergrad.	8.990 / 7.686 ⁶

¹ Full names of students listed can be found under *Students Supervised for Non-Thesis, Non-Dissertation Research Experience*

² Student evaluation of instructor based on 4-point scale after 2005 for College of Science (prior to 2010 was College of Basic Sciences); 5-point scale for Fall 2021 Honors course; 5-point scale for College of Agriculture; or 10-point scale prior to and including 2005 for College of Basic Sciences

³ Student evaluation of instructor: number below slash = College of Science (College of Basic Sciences prior to 2010) introductory-level undergraduate courses mean for all instructors

- ⁴ Student evaluation of instructor: number below slash = College of Science (College of Basic Sciences prior to 2010) upper-level-undergraduate-courses mean for all instructors
- ⁵ Student evaluation of instructor: number below slash = College of Science (College of Basic Sciences prior to 2010) graduate-courses mean for all instructors
- ⁶ Student evaluation of instructor: number below slash = College of Science (BIOL courses; College of Basic Sciences prior to 2010) all-courses mean for all instructors; College of Agriculture (ENT and RNR courses) all-courses mean for all instructors
- ⁷ Student evaluation of instructor: number below slash = Honors College undergraduate courses mean for all instructors
- ⁸ Supervised Graduate Teaching Assistants (TAs) who led 1-hour Recitation-section discussions each week, or led the Laboratory portion of the course:
 Spring 2025 – Maggie Vincent (Recitation), Aaron Krivchenia (Lab) & Wissam Jawad (Lab)
 Spring 2024 – Maggie Vincent (Recitation), Wissam Jawad (Lab) & Keegan Stansberry (Lab)
 Spring 2023 – Maggie Vincent (Recitation) & Keegan Stansberry (Lab)
 Fall 2012 – Metha M. Klock (Recitation)
 Fall 2011 – Becky J. Carmichael & Metha M. Klock (Recitation)
 Fall 2010 – Sandra P. Galeano & Metha M. Klock (Recitation)
 Spring 2010 – Alyssa Hakes & Sandra P. Galeano (Recitation)
 Spring 2009 – Becky J. Carmichael & Jonathan A. Myers (Recitation)
- ⁹ Invited guest speakers, one class period at a time, for interviews about careers in real-world conservation.
- ¹⁰ Organized Honors-level activities for Honors-option students (number of students in parentheses) –
 Conservation Biology (BIOL \ RNR 4015): Spring 2024 (3); Spring 2023 (3); Fall 2011 (2); Spring 2009 (1)
 Principles of Ecology (BIOL 4253): Spring 2022 (3); Spring 2020 (4); Spring 2019 (7); Spring 2018 (5); Spring 2016 (5); Fall 2015 (1); Spring 2015 (2); Fall 2014 (2)
 Approved student's Engaged Citizen Program, Center for Community Engagement, Learning & Leadership (CCELL) –
 Conservation Biology (BIOL \ RNR 4015): Spring 2024 (1)
- ¹¹ During Spring 2020 classes abruptly went online-only about midway through the semester during the COVID-19 pandemic; accordingly, K. E. Harms gave real-time Zoom lectures (all of which were also recorded and made available to the students); classes remained virtual (by Zoom) through Spring 2021
- ¹² Created *R Self Tutorial*: Spring 2013; Fall 2009 –
 See links to “Introduction to R” at <https://faculty.lsu.edu/kharms/>
- ¹³ Invited a panel of experts for one class period discussion per semester – *Conservation in the Real World*.
- ¹⁴ Developed assignments for students to create (or add content to) Wikipedia articles; see websites:
 Fall 2012 – [http://en.wikipedia.org/wiki/Wikipedia:USEP/Courses/Conservation_Biology_\(Kyle_Harms\)](http://en.wikipedia.org/wiki/Wikipedia:USEP/Courses/Conservation_Biology_(Kyle_Harms))
 Fall 2011 – [http://en.wikipedia.org/wiki/Wikipedia:United_States_Education_Program/Courses/Conservation_Biology_\(Kyle_Harms\)](http://en.wikipedia.org/wiki/Wikipedia:United_States_Education_Program/Courses/Conservation_Biology_(Kyle_Harms))
 [During this semester, students paired with students in Bruce Sharky's Art & Design course, such that Conservation Biology students created the written content and Art & Design students created visual content]
- ¹⁵ Received Commendations for Excellence in Teaching from Dean of College of Basic Sciences - Spring 2009; Fall 2005

OTHER EDUCATIONAL CONTRIBUTIONS AT LSU

- 2023 Invited faculty jury member to evaluate undergraduate students' semester-long projects from Andrew Boqué's Interior Design Biomimicry Studio (Nov. 28)

- 2019 Invited faculty jury member to evaluate graduate and undergraduate students' contributions to Brendan Harmon's semester-long Landscape Architecture Studio to design a national park for giant pandas in China (Oct. 9)
- 2011 Invited panelist for Communication Across the Curriculum (CxC) Faculty Lunch & Learn re Wikipedia's United States Education Program (Nov. 16)

TEACHING & EDUCATIONAL OUTREACH PRIOR TO & AWAY FROM LSU

- 2019 Interviewed by two students from St. John Fisher College, Rochester, NY re being an academic research scientist and conservation biologist (March 27)
- 2018 Interviewed by two students from St. John Fisher College, Rochester, NY re being an academic research scientist and conservation biologist (April 5)
- 2016 Interviewed by New York University student re being an academic research scientist (Sept. 6)
- 2015 Led interactive, natural-history-based educational outreach activity ("Edible, medicinal, and toxic native plants") for Girl Scouts and families at Camp Whispering Pines, Louisiana (Oct. 17)
- 2011 Faculty Resource Person for one week of an undergraduate tropical biology field course – Tropical Biology on a Changing Planet, Organization for Tropical Studies, La Selva, Costa Rica
Interviewed by Williamsburg Jr./Sr. High School students from Williamsburg, IA re being an academic research scientist (Oct. 19)
- 2010 Interviewed by St. Joseph's Academy high school student re environmental science, Baton Rouge, LA (Jan. 27)
- 2009 Led interactive, natural-history-based educational outreach activity for Girl Scouts and families at Camp Whispering Pines, Louisiana: Fall Festival, Nov. 7, >400 participants
Interviewed by University Laboratory School 5th grade students re tropical forests, Baton Rouge, LA (May 4)
- 2008 Faculty Resource Person for one week of a graduate-level tropical biology field course – OTS 08-1, Organization for Tropical Studies, Las Cruces, Costa Rica
- 2007 Led interactive, natural-history-based educational outreach activities for Girl Scouts and families at Camp Whispering Pines, Louisiana: (1) Arbor Day, Feb. 3, >300 participants; (2) Girl Fest, May 19, >800 participants (see photo of KEH, pg. 12, *Girl Scout Council of Southeast Louisiana Volunteer Information Post*, Summer 2007)
- 2006 Led interactive, natural-history-based educational outreach activities for Girl Scouts and families at Camp Whispering Pines, Louisiana: (1) Arbor Day, Feb. 4, >500 participants; (2) Fall Festival, Oct. 28, >1300 participants
- 2004 Invited instructor for one week of a graduate course in tropical forest diversity and dynamics, "Tópicos en Biología," Universidad de Puerto Rico, Río Piedras, Puerto Rico

- 2001 Consultant Instructor for two-week tropical biology field course held in Panama for Union College, Schenectady, NY (Instructor Leo J. Fleishman)
- 2000 Lecturer featured on interactive, educational software, Conundrum of Coexistence, produced by the Open University, Milton Keynes, United Kingdom
- 1998 Faculty Resource Person for one week of a graduate-level tropical biology field course – OTS 98-1, Organization for Tropical Studies, Corcovado National Park, Costa Rica
- 1997 Instructor for two-day biostatistics workshop, Universidad de Panamá, Panama
- Instructor for three-day tropical biology field course, Universidad Autónoma de Chiriquí, Las Nubes, Panama (co-Instructor James W. Dalling)
- 1996 Head Instructor for one-semester tropical biology and conservation course, Council on International Educational Exchange (CIEE), Monteverde, Costa Rica (co-Instructor Richard K. LaVal)
- 1994, 1997 Instructor for tropical biology field courses, two days each, Universidad de Panamá, Panama (co-Instructor James W. Dalling)
- 1990-1996 Assistant in Instruction in the Department of Ecology and Evolutionary Biology, Princeton University: Animal Behavior (Instructor Daniel I. Rubenstein), Animal Behavior Laboratory (x2; Instructor James L. Gould), Empirical Population Biology (Instructor Henry S. Horn), Introductory Biology Laboratory, Junior-level Statistics Tutorial (x2; Instructor James L. Gould)

PROFESSIONAL COMMUNICATION at CONFERENCES & INSTITUTIONS

INVITED UNIVERSITY & RESEARCH INSTITUTION SEMINARS

- 2023 Department of Biological Sciences, Southeastern Louisiana University (Aug. 24)
- 2021 Department of Biological Sciences, University of New Orleans (Nov. 1 by Zoom)
- 2019 Museum of Natural Science, Louisiana State University, Baton Rouge, LA (Jan. 25)
- 2017 Department of Plant Pathology & Crop Physiology, Louisiana State University, Baton Rouge, LA (Nov. 29)
- Department of Biological Science, Florida State University, Tallahassee, FL (2 seminars: Sept. 28 & 29)
- 2014 Program in Ecology, Evolution & Conservation Biology, University of Nevada at Reno, Reno, NV (Sept. 25)
- Tyson Research Center, Washington University, St. Louis, MO (May 22)
- 2013 Department of Biology, University of Puerto Rico at Mayagüez, Mayagüez, Puerto Rico – invited as a plenary speaker for the annual undergraduate symposium (April 1)

- Department of Biological Sciences, Murray State University, Murray, KY
(March 1)
- 2011 Joseph W. Jones Ecological Research Center, Newton, GA (Nov. 3)
- 2010 Department of Plant Biology, University of Minnesota, St. Paul, MN (Nov. 23)
Institute of Evolutionary Biology & Environmental Studies, University of
Zurich, Zurich, Switzerland – invited for the International Year of Biodiversity
seminar series (Sept. 30)
- 2009 Department of Biological Sciences, University of Southern Mississippi,
Hattiesburg, MS (Feb. 6)
- 2008 Department of Botany & Institute for Advanced Study, La Trobe University,
Bundoora, Australia (Oct. 22)
Department of Zoology, University of Melbourne, Melbourne, Australia (Oct.
7)
Departamento de Ecologia, Universidade de São Paulo, São Paulo, Brazil
(Aug. 11)
Department of Botany, University of Florida, Gainesville, FL – invited by the
graduate students (April 2)
- 2007 Department of Biological Sciences, Loyola University, New Orleans, LA (Nov.
27)
Department of Biology & Whitney R. Harris World Ecology Center, University
of Missouri, St. Louis, MO (Oct. 4)
- 2006 Department of Ecology & Evolutionary Biology, University of Arizona, Tucson,
AZ (Nov. 20)
Department of Biology, New Mexico State University, Las Cruces, NM (Oct.
5)
Department of Biological Sciences, University of Arkansas, Fayetteville, AR
(March 30)
- 2005 Department of Biological Sciences, Southeastern Louisiana University,
Hammond, LA (Sept. 16)
Department of Plant Pathology & Crop Physiology, Louisiana State
University, Baton Rouge, LA (Sept. 7)
- 2004 Institute for Tropical Ecosystems Studies, University of Puerto Rico, Río
Piedras, Puerto Rico
Instituto Nacional de Pesquisas da Amazônia, Manaus, Brazil
- 2003 Department of Biological Sciences, University of New Orleans, New Orleans,
LA
Department of Zoology, University of Oklahoma, Norman, OK
- 2002 Environmental Lecture Series, Louisiana State University, Baton Rouge, LA
Museum of Natural Science Louisiana State University, Baton Rouge, LA
Department of Ecology & Evolutionary Biology, Rice University, Houston, TX
- 2001 Department of Biology, Union College, Schenectady, NY

- 2000 Department of Biological Sciences, Louisiana State University, Baton Rouge, LA
 Department of Biological Sciences, Mississippi State University, Starkville, MS
 Smithsonian Tropical Research Institute, Panama City, Panama
 Department of Ecology & Evolutionary Biology, Tulane University, New Orleans, LA
 Department of Ecology, Evolution & Marine Biology, University of California, Santa Barbara, CA
 Department of Ecology & Evolutionary Biology, University of California, Santa Cruz, CA
 Department of Botany, University of Vermont, Burlington, VT
- 1999 School of Tropical Biology, James Cook University, Cairns, Australia
 School of Biological Sciences, Monash University, Melbourne, Australia
 Tropical Forest Research Centre, Atherton, Australia

INVITED PRESENTATIONS AT PROFESSIONAL CONFERENCES & MEETINGS

- 2011 Harms, Kyle E, Joseph B. Yavitt, Milton N. Garcia, Michael Kaspari & S. Joseph Wright. Limitation by multiple nutrients revealed by a long-term, large-scale nutrient augmentation experiment in lowland Panama. Ecological Society of America, Austin, TX (August).
- 2008 Harms, Kyle E, James W. Dalling, María Sanchez de Stapf & Robert Pearcy. Trading off light-capture efficiency for increased nutrient uptake in a Panamanian litter-trapping tree: *Quadrella antonensis*. Association for Tropical Biology & Conservation, Paramaribo, Suriname (June).
- 2005 Harms, Kyle E. & CTFS Working Group. Habitat associations around the globe. Center for Tropical Forest Science Symposium, Panama City, Panama.
- 2003 Harms, Kyle E. The evolution of extreme seed size in tropical trees and lianas. Association for Tropical Biology and Conservation, Aberdeen, Scotland. (Self-invited to symposium organized by K. E. Harms & J. W. Dalling)
- 2002 Harms, Kyle E. Compositional and structural variation of understories within and among four Neotropical forests and the relationship with woody plant regeneration. Association for Tropical Biology, Panama City, Panama.
- 1998 Harms, Kyle E. Pervasive seed-dispersal limitation and negative density-dependent seed-to-seedling transitions in a Neotropical tree community. International Congress of Ecology, Florence, Italy. (Self-invited to symposium organized by K. E. Harms)
- Harms, Kyle E. & S. Joseph Wright. Pervasive seed-dispersal limitation and negative density-dependent seed-to-seedling transitions in the forest on Barro

Colorado Island, Panama. Center for Tropical Forest Science Symposium, Washington, DC.

OTHER PRESENTATIONS AT PROFESSIONAL CONFERENCES & MEETINGS

(Contributed or co-author was invited)

^{LSU-G} = current or former LSU graduate student in K. E. Harms's Research Group

^{LSU-P} = current or former LSU post-doc in K. E. Harms's Research Group

- 2024 Vincent, Maggie C.^{LSU-G}, Kyle E. Harms, Hossein Asgari & Patricia L. R. Brennan. Sweet somethings? The functions of vocalizations during and after copulation in vertebrates. Animal Behaviour Society, London, Ontario, Canada (June).
- 2023 Santiago-Rosario, Luis Y.^{LSU-G}, Arthur Porto, Kyle E. Harms & Sarah Mathews (presenter). Do showy mistletoes (Loranthaceae) mimic their hosts? Field sampling and computer vision to quantify phenotypic similarity in Australian mistletoe-host pairs. Botany, Boise, ID (July).
- 2022 Harms, Kyle E. Species of Unusual Effect: The important things that run the world. Association for Tropical Biology & Conservation, Cartagena, Colombia (July).
- Santiago-Rosario, Luis Y.^{LSU-G} & Kyle E. Harms. Contrasts among cationic phytochemical landscapes in the southern United States. Botany, Anchorage, AK (July).
- 2021 Barker, Carrie A.^{LSU-G} & Kyle E. Harms. Monodominant patches reduce plant diversity within hyper-diverse ecosystems. Ecological Society of America (Aug. by Zoom).
- 2020 Klock, Metha M.^{LSU-G}, Kyle E. Harms, Peter H. Thrall, Luke G. Barrett. Patterns of host promiscuity among legumes varying in invasiveness differ between global and regional scales. Ecological Society of America (Aug. by Zoom).
- Santiago-Rosario, Luis Y.^{LSU-G}, Kyle E. Harms, Bret D. Elder & Pamela B. Hart. Substrate sodium influence on plant fitness and tissue sodium accumulation in controlled settings. Ecological Society of America (Aug. by Zoom).
- 2019 Barker, Carrie A.^{LSU-G} & Kyle E. Harms. Understanding assembly of low-diversity plant communities within hyperdiverse ecosystems. Ecological Society of America, Louisville, KY (Aug.).
- Santiago-Rosario, Luis^{LSU-G} & Kyle E. Harms. The phytochemical landscape of sodium across a natural heterogeneous soilscape. Ecological Society of America, Louisville, KY (Aug.).
- 2018 Green, Peter T. & Kyle E. Harms. How old is an understory seedling? Long-term records reveal the great age of suppressed, juvenile rainforest trees in north Queensland, Australia. Ecological Society of America, New Orleans, LA (Aug.).
- Harms, Kyle E., Carrie A. Barker^{LSU-G}, Paul R Gagnon^{LSU-P}, Katherine A. Hovanes^{LSU-G}, Jonathan A. Myers^{LSU-G} & Heather A. Passmore^{LSU-P}. Plant

- community assembly in high diversity southeastern pine savannas. Longleaf Alliance Conference, Alexandria, LA (Oct.).
- Harms, Kyle E., Carrie A. Barker^{LSU-G}, Paul R. Gagnon^{LSU-P}, Katherine A. Hovanes^{LSU-G}, Jonathan A. Myers^{LSU-G} & Heather A. Passmore^{LSU-P}. Plant community assembly in high diversity southeastern pine savannas. Ecological Society of America, New Orleans, LA (Aug.).
- Hovanes, Katherine A.^{LSU-G} & Kyle E. Harms. Are bunchgrasses self-organizing? Examining *Aristida stricta* spatial patterning in a restored pine savanna chronosequence. Ecological Society of America, New Orleans, LA (Aug.).
- Myers, Jonathan A.^{LSU-G}, Kyle E. Harms, Paul R. Gagnon^{LSU-P} & Joseph A. LaManna. Niche selection at landscape scales overrides the importance of local species interactions in hyperdiverse communities. Ecological Society of America, New Orleans, LA (Aug.).
- 2017 Wright, S. Joseph, Joseph B. Yavitt, Kyle E. Harms & Benjamin L. Turner. Species-level growth responses to chronic phosphorus addition in a tropical moist forest. Association for Tropical Biology & Conservation, Mérida, Mexico (July)
- 2016 Galeano, Sandra P.^{LSU-G} & Kyle E. Harms. Ensamblaje ecológico de anuros de hojarasca en islas continentales Neotrópicas: co-ocurrencia de especies y papel de la variación fenotípica intraespecífica. 1 Congreso Colombiano de Herpetología, Medellín, Colombia (Nov.).
- Galeano, Sandra P.^{LSU-G} & Kyle E. Harms. Assembly patterns of leaf-litter anurans on Neotropical land-bridge islands: species co-occurrence and the role of morphological traits. American Society of Ichthyologists & Herpetologists, New Orleans, LA (July).
- Klock, Metha M.^{LSU-G}, Luke G. Barrett, Peter H. Thrall & Kyle E. Harms. Provenance of rhizobial symbionts is similar for invasive and non-invasive acacias. Black Forest Summer School, Germany (Sept.).
- 2015 Klock, Metha M.^{LSU-G} (invited presenter), Luke G. Barrett, Peter H. Thrall & Kyle E. Harms. Differential invasiveness of *Acacia* species in California is not influenced by host promiscuity with rhizobial symbionts. Evolutionary Dynamics of Tree Invasions: Drivers, Dimensions & Implications for Management Workshop, Stellenbosch, South Africa (Nov.).
- Klock, Metha M.^{LSU-G}, Luke G. Barrett, Peter H. Thrall & Kyle E. Harms. Host-promiscuity but not provenance of rhizobial symbionts influences legume invasiveness in novel ranges. Ecology & Management of Alien Plant Invasions, Waikoloa Village, HI (Sept.).
- Myers, Jonathan A.^{LSU-G}, Kyle E. Harms, Paul R. Gagnon^{LSU-P} & Joseph A. LaManna. Species sorting trumps the importance of local species interactions in the assembly of hyper-diverse communities. British Ecological Society, Edinburgh, Scotland. (Dec.)
- Yavitt, Joseph B. (invited presenter), Milton Garcia, Kyle E. Harms, Edmund Tanner, Benjamin Turner & S. Joseph Wright. Ecosystem responses to plot-

- scale nutrient and litter manipulations in tropical moist forest, Panama. Association for Tropical Biology & Conservation, Honolulu, HI (July).
- 2014 Galeano, Sandra P.^{LSU-G} & Kyle E. Harms. Coloración en la rana polimórfica *Oophaga pumilio* predice la agresividad y el resultado de interacciones intraespecíficas e interespecíficas. X Congreso Latinoamericano de Herpetología, Cartagena, Colombia (Dec.).
- Galeano, Sandra P.^{LSU-G} & Kyle E. Harms. Coloration in the polymorphic frog *Oophaga pumilio* predicts aggressiveness and the outcome of intraspecific and interspecific interactions. Ecological Society of America, Sacramento, CA (Aug.).
- Hovanes, Katherine A.^{LSU-G} & Kyle E. Harms. Dominant bunchgrasses occur in non-random spatial patterns in pine savanna groundcover plant communities. Ecological Society of America, Sacramento, CA (Aug.).
- Hovanes, Katherine A.^{LSU-G} & Kyle E. Harms. Dominant bunchgrasses occur in non-random spatial patterns in pine savanna groundcover plant communities. Longleaf Alliance Conference & Eastern Native Grass Symposium, Mobile, AL (Oct.).
- Klock, Metha M.^{LSU-G}, Kyle E. Harms, Peter H. Thrall & Luke G. Barrett. Host-promiscuity in symbiont associations can influence legume establishment and colonization of novel ranges. Ecological Society of America, Sacramento, CA (Aug.).
- 2013 Harms, Kyle E. & Peter T. Green. 50th anniversary of Connell's Australian tropical forest plots & novel hypotheses for the importance of seedling dynamics for forest diversity. Association for Tropical Biology & Conservation, San José, Costa Rica (June).
- 2012 Bravo, Adriana^{LSU-G}, Kyle E. Harms & Louise H. Emmons. Fig chemistry explains a "lust for salt" in Western Amazonian stenodermatine bats. Association for Tropical Biology & Conservation, Bonito, Brazil (June).
- Bravo, Adriana^{LSU-G}, Kyle E. Harms & Louise H. Emmons. Keystone resource (*Ficus*) chemistry explains lick visitation by frugivorous bats. Ecological Society of America, Portland, OR (Aug.)
- Green, Peter T. (invited presenter) & Kyle E. Harms. General hypotheses for why seedling dynamics are so important for determining patterns of abundance and diversity in plant communities. Ecological Society of America, Portland, OR (Aug.).
- Oliveira, Alexandre Adalardo, Alberto Vicentini & Kyle E. Harms. Habitat specialization in a hyper-diverse Amazonian forest (poster). Association for Tropical Biology & Conservation, Bonito, Brazil (June).
- 2011 Cleveland, Cory C. (invited presenter), Alan R. Townsend, Silvia Alvarez-Clare, Mercedes M. M. C. Bustamante, George B. Chuyong, Solomon Dobrowski, Pauline Grierson, Kyle E. Harms, Benjamin Z. Houlton, Alison R. Marklein, William J. Parton, Stephen Porder, Sasha C. Reed, Carlos Sierra, Whendee L. Silver, E.V.J. Tanner, Philip G. Taylor & William R. Wieder.

- Climate & nutrient regulation of the tropical forest carbon cycle. Ecological Society of America, Austin, TX (Aug.).
- 2010 Green, Peter T. (invited presenter), Kyle E. Harms & Joseph H. Connell. Connell's long-term forest dynamics legacy in Far North Queensland. Ecological Society of America, Pittsburgh, PA (Aug.)
- Myers, Jonathan A.^{LSU-G} & Kyle E. Harms. Resource-disturbance interactions influence community assembly in species-rich pine savannas. Ecological Society of America, Pittsburgh, PA (Aug.)
- 2009 Gagnon, Paul R.^{LSU-P} (invited presenter), Heather A. Passmore^{LSU-P}, William J. Platt, Jonathan A. Myers^{LSU-G}, C. E. Timothy Paine^{LSU-G} & Kyle E. Harms. Flammability as plant self-protection. 4th International Fire Ecology and Management Congress, Savannah, GA (Dec.)
- Myers, Jonathan A.^{LSU-G} & Kyle E. Harms. Rainfall, disturbance, and seed arrival interact to assemble high-diversity pine savannas. Ecological Society of America, Albuquerque, NM (Aug.)
- 2008 Bravo, Adriana^{LSU-G}, Kyle E. Harms, Richard Stevens & Louise Emmons. *Collpas*: Activity hotspots for frugivorous bats (Phyllostomidae) in the Peruvian Amazon. Association for Tropical Biology & Conservation, Paramaribo, Suriname (June).
- Myers, Jonathan A.^{LSU-G} & Kyle E. Harms. Competition and recruitment limitation in high-diversity pine savanna: Mechanistic effects of dominant species. Ecological Society of America, Milwaukee, WI (Aug.)
- Paine, C. E. Timothy^{LSU-G} & Kyle E. Harms. Water availability, species ranges, and the local tree diversity of a tropical forest. Association for Tropical Biology & Conservation, Paramaribo, Suriname (June).
- 2007 Paine, C. E. Timothy^{LSU-G} & Kyle E. Harms. What shapes tropical seedling community structure? Seed dispersal versus environmental conditions. Ecological Society of America, San Jose, CA (Aug.).
- Passmore, Heather A.^{LSU-P}, Kyle E. Harms, William J. Platt, Jonathan A. Myers^{LSU-G} & Paul R. Gagnon^{LSU-P}. Influences of fire intensity on vegetation cover and local biodiversity in species-rich pine savanna groundcover (poster). Ecological Society of America, San Jose, CA (Aug.).
- Tongco, Ma. Dolores C., Daniel A. Lagunzad, Leonardo L. Co, Kyle E. Harms, Richard Condit & Pamela Hall. Habitat associations of the trees in a 16-hectare permanent plot in Palanan, Isabela, Philippines. The Inaugural Conference of the Asian Chapter of the Association for Tropical Biology & Conservation, Mahabalipuram, India (March).
- 2006 Bravo, Adriana^{LSU-G} & Kyle E. Harms. *Collpas*: Activity hotspots of frugivorous bats (Phyllostomidae) in the Peruvian Amazon (poster). American Society of Mammalogists, Amherst, MA (June).
- Harms, Kyle E., William J. Platt & Heather A. Passmore^{LSU-P}. Ecological conditions influencing seedling recruitment of longleaf pine (*Pinus palustris*) in

- a restored pine savanna. Ecological Society of America, Memphis, TN (Aug.).
- Paine, C. E. Timothy^{LSU-G} & Kyle E. Harms. Supplemental watering boosts seedling growth, survival, and diversity in a tropical moist forest. Ecological Society of America, Memphis, TN (Aug.).
- Strong, Aaron L., Alexander R. Barron, S. Joseph Wright, Kyle E. Harms, Joseph B. Yavitt & Lars O. Hedin. Litter chemistry controls on heterotrophic nitrogen fixation in a lowland tropical forest, Panama (poster). Ecological Society of America, Memphis, TN (Aug.).
- 2005 John-Chandran, Robert (invited presenter), James Dalling, Kyle Harms, Joseph Yavitt, Robert Stallard, Richard Condit, Stephen Hubbell, Matthew Mirabello, Hugo Navarrete, Renato Valencia & Elizabeth Losos. Tree distributions and the distributions of soil-borne resources in two Neotropical plots. Center for Tropical Forest Science Symposium, Panama City, Panama.
- Mello, Thayná J., Alexandre A. de Oliveira & Kyle E. Harms. Spatial pattern and habitat affinity of a new species of Violaceae in a central Amazonian forest (poster). Association for Tropical Biology and Conservation, Uberlandia, Brazil.
- Muller-Landau, Helene (invited presenter), Richard S. Condit, Kyle E. Harms and the CTFs Working Group. Scaling of demographic rates and tree size distributions in tropical forests. Center for Tropical Forest Science Symposium, Panama City, Panama.
- Mullins, Chris, Robert Stallard, Carlos Sanchez, Nancy Hoalst-Pullen, Jim Dalling, Kyle Harms & Bettina Engelbrecht. Development of a protocol to characterize soil drought stress for use in within- and among-site comparisons of the CTFs forest dynamics plots (poster). Center for Tropical Forest Science Symposium, Panama City, Panama.
- Paine, C. E. Timothy^{LSU-G} & Kyle Harms. Restricted zones of influence limit competition among the seedlings of a species of rainforest tree (poster). Ecological Society of America / International Congress of Ecology, Montreal, Canada.
- Queenborough, Simon A., David F. R. P. Burslem, Nancy C. Garwood, Kyle E. Harms, Richard Condit & Renato Valencia. Sex expression and microhabitat distributions of 16 species of dioecious Myristiaceae (nutmegs) in Amazonian Ecuador. British Ecological Society, Hatfield, U.K.
- Queenborough, Simon A. (invited presenter), David F. R. P. Burslem, Nancy C. Garwood, Kyle E. Harms, Richard Condit & Renato Valencia. Sex expression and microhabitat distributions of 16 species of dioecious Myristiaceae (nutmegs) in Amazonian Ecuador. Center for Tropical Forest Science Symposium, Panama City, Panama.
- 2004 Harms, Kyle E. Non-random topographic associations of tree species in tropical forests. Ecological Society of America, Portland, OR.

- Kaspari, Michael, Joe Wright, Joe Yavitt, Kyle Harms & Mirna Santana. Nutrient supply and the structure and function of tropical brown food webs. Ecological Society of America, Portland, OR.
- Oliveira, Alexandre A., Kyle E. Harms & Elizabeth C. Losos. A new forest dynamics plot in the central Amazon: Topography and richness estimates (poster). Center for Tropical Forest Science Symposium, Taipei, Taiwan.
- 2003 Powers, Jennifer S., Rebecca Montgomery, Saara DeWalt, Jerome Chave, Erika Deinert, Jörg Ganzhorn, Jose Antonio Gonzalez, Ricardo Grau, Kyle Harms, Ankila Hiremath, Silvia Iriarte, Helene Muller-Landau, Alexandre de Oliveira, Lourens Poorter, Carl Salk, Amanda Varela, George Weiblen & Manuel Lerda. The joint influences of climate, litter quality, and soil fauna in regulating above- and belowground decomposition – a pan-tropical study (poster). American Geophysical Union, San Francisco, CA.
- 2002 Gunatilleke, C. V. Savi (invited presenter), Shameema Esufali, I. A. U. Nimal Gunatilleke, Kyle E. Harms & David Burslem. Species-habitat associations in the Sinharaja Rain Forest, Sri Lanka. Association for Tropical Biology, Panama City, Panama.
- Yavitt, Joseph B., S. Joseph Wright & Kyle E. Harms. Soil nutrient and fine root response to fertilization of a tropical moist forest in the central lowlands of Panama (poster). Association for Tropical Biology, Panama City, Panama.
- 2000 Harms, Kyle E. Habitat associations of tropical trees and shrubs within a 50-ha forest plot in Panama. Ecological Society of America, Snowbird, UT.
- Harms, Kyle E. Habitat associations of tropical trees and shrubs within a 50-ha forest plot in Panama. Evolution Society / Association for Tropical Biology, Bloomington, IN.
- 1994 Harms, Kyle E. & James W. Dalling. Effects of cotyledon removal and depth of burial on germination, seedling size and resprouting ability of large-seeded rain forest trees. Association for Tropical Biology / Society for Conservation Biology, Guadalajara, Mexico.
- 1993 Harms, Kyle E., Alan P. Smith & Gregory S. Gilbert. Tree species' distributions, soil nutrients and understory light regime: relationships with topography in a lowland moist forest in Panama (poster). Association for Tropical Biology, San Juan, Puerto Rico.
- 1992 Harms, Kyle E. A Markovian model of bruchid beetles infesting palms of the Gatun Lake islands of Panama (poster). International Behavioral Ecology Congress, Princeton, NJ.

PROFESSIONAL OUTREACH, SERVICE, WORKING GROUPS, ETC.

ELECTED OR INVITED MEMBER OF BOARDS, COMMITTEES, COUNCILS, PANELS, ETC.

Current (since 2022) Member of organizing committee for Southeastern Louisiana Ecology & Evolution Bunch (SLEEB; annual events in New Orleans, LA)

Current (since 2019) Member of Editorial Board for *The Scientific Naturalist* in *Ecology*, Ecological Society of America

- 2023 Chair of National Science Foundation Mid-term Review Panel for a Long-term Ecological Research Site Visit
- 2022 Science fair judge for Baton Rouge Magnet High School (January 12)
- 2021 Member of National Science Foundation Population & Community Ecology Grant Proposal Review Panel (panel convened by Zoom)
- 2020-2022 Chair of Board of Directors, Canopy Watch International
- 2020 Science fair judge for Baton Rouge Magnet High School (January 15)
- 2019 Scientific Sessions Reviewer for Association for the Advancement of Science 2020 Annual Meeting
- 2018-2022 Elected Member Director on Board of Directors, Organization for Tropical Studies
E.g., Chair of Advancement Committee, 2020-2022; member of Communications Committee, 2019-2022; organized ATBC-OTS tropical mixer for ESA annual meeting (by Zoom), 2021; Co-Chair (with Oscar Rocha) of OTS annual meeting in San José, Costa Rica, 2019
- 2017-2018 Member of Nominations Committee, Organization for Tropical Studies
- 2017 Member of Judging Panel for 2016 Student Paper Award, Organization for Tropical Studies
- 2016 Inaugural member of Camp Whispering Pines (Girl Scouts Louisiana East) Forest Management Advisory Committee
 Chaired by Latimore Smith (The Nature Conservancy); land management for 600-acre property containing well-restored longleaf pine savanna
- 2016 Member of Judging Panel for 2015 Student Paper Award, Organization for Tropical Studies
- 2016 Member of National Science Foundation Population & Community Ecology Grant Proposal Review Panel; Washington, D.C.
- 2015-2017 (3-yr term) Co-Chair of Student & Early Career Presentation Awards Committee, Association for Tropical Biology & Conservation
 Co-chaired for annual conferences: Honolulu, HI (July 2015 with Julieta Benítez-Malvido); Montpellier, France (June 2016 with Julieta Benítez-Malvido); Mérida, Mexico (July 2017 with Bettina Engelbrecht)
- 2015-2016 Member of Finance Committee, Association for Tropical Biology & Conservation
- 2015 Member of Judging Panel for 2014 Student Paper Award, Organization for Tropical Studies
- 2015 Member of Search Committee for Secretary, Association for Tropical Biology & Conservation
- 2014-2016 (3-yr term) Elected Councilor of Association for Tropical Biology & Conservation
 Participated in strategic planning sessions ('14 & '15) & council meetings: Cairns, Australia (July 2014); Honolulu, HI (July 2015), including Advocacy & Communications Training Workshop by the Union of Concerned Scientists; Montpellier, France (June 2016)
- 2014 Member of National Science Foundation Population & Community Ecology Pre-proposal Review Panel; Washington, D.C.

- 2012 Member of National Science Foundation Dynamics of Coupled Natural & Human Systems Grant Review Panel; Washington, D.C.
- 2011 Member of Organization for Tropical Studies Search Committee for Education Director
- 2010 Member of National Science Foundation Population & Community Ecology Grant Proposal Review Panel; Washington, D.C.
- 2009-2014 (5-yr term) Member of Organization for Tropical Studies Science Committee
- 2008-2010 Inaugural member of Editorial Board for *Acta Biologica Panamensis*
- 2008 Member of National Science Foundation Ecology Grant Proposal Review Panel; Washington, D.C.
- 2007-2010 (3-yr term) Member of National Center for Ecological Analysis and Synthesis Science Advisory Board; Santa Barbara, CA
- 2005-2011 (two 3-yr terms separated by a 1-yr sabbatical hiatus) Associate Editor for *Journal of Ecology*, British Ecological Society
Handled 72 manuscripts
- 2004 Member of National Science Foundation Doctoral Dissertation Improvement Grant Proposal Review Panel; Washington, D.C.

SYMPOSIUM & WORKSHOP ORGANIZER, ETC.

- 2018 Member of organizing committee – chaired by Carol Denhof – for groundcover symposium and round-table discussion, Longleaf Alliance Conference, Alexandria, LA (Oct. 24)
- 2015 Co-organized & co-chaired interactive symposium – comprising lightning talks followed by discussion – with Michael Kaspari & Jennifer Powers: “Exploring Elemental Limitation of Tropical Biological Processes Across the Entire Periodic Table: An Interactive Symposium,” Association for Tropical Biology & Conservation, Honolulu, HI (July 13)
[See M. Kaspari’s blog post: “Lightning strikes 14 times at a conference session: exploring multi-element limitation at the Association for Tropical Biology and Conservation meetings” – <http://tinyurl.com/nqz2g93>]
- 2014 Co-organized, co-funded (NSF DEB 1144079 & 1144084) & co-chaired 1-day workshop with Jonathan A. Myers & Paul R. Gagnon: “Exploring Heterogeneity in the Ecology, Restoration, and Management of Longleaf Groundcover,” Longleaf Alliance Conference & Eastern Native Grass Symposium, Mobile, AL (Oct. 21)
[For our workshop report, see: http://www.longleafalliance.org/publications/z_LongleafGroundcoverWorkshopFinalReport_KYLE_23April2015.pdf/view]
- 2010 Organized & chaired symposium: “A Celebration & Exploration of Joseph H. Connell’s Conceptual & Empirical Influence, Inspiration & Legacy in Ecological Research & Education,” Ecological Society of America, Pittsburgh, PA
- 2005 Co-organized (but could not attend) symposium with principal organizer Sean C. Thomas: “Comparative Ecology of Tropical Trees: Linking Physiology to

- Dynamics & Distributions,” Ecological Society of America / International Congress of Ecology, Montreal, Canada
- 2004 Co-organized, co-funded (NSF OISE 0314581) & co-taught workshop with James W. Dalling, Robert John, Jennifer Powers, Robert F. Stallard & Joseph B. Yavitt on soil sampling & analysis (participants from Africa, Asia, Europe, North America & South America), Smithsonian Tropical Research Institute, Gamboa, Panama
[For soil-sampling designs & soils data, see: 2002 NSF grant above]
- 2003 Co-organized, co-funded (NSF DEB 0211004 & 0212818) & co-taught workshop with James W. Dalling, Robert F. Stallard & Joseph B. Yavitt on soil sampling & analysis (participants from Latin America), Smithsonian Tropical Research Institute, Barro Colorado Island, Panama
[For soil-sampling designs & soils data, see: 2002 NSF grant above]
- 2003 Co-organized & co-chaired symposium with James W. Dalling: “Ecological Consequences of Variation in Seed Size in Tropical Forests,” Association for Tropical Biology & Conservation, Aberdeen, Scotland
- 1998 Organized & chaired symposium: “Processes that structure & maintain diversity in communities of tropical trees,” International Congress of Ecology, Florence, Italy

INVITED OR SELECTED PARTICIPANT IN ADVANCED COURSES & WORKSHOPS

- 2012 Invited participant in Aldo Leopold Foundation Land Ethic Leaders Program, held in Baton Rouge, LA (Nov. 11-12)
- 2009 Invited workshop participant & presenter: LSU Communication Across the Curriculum (CxC) Summer Institute (May 27-29)
- 2008, 2009, 2011 Invited working group participant: “Revisiting Nutrient Limitation in Tropical Forests,” National Center for Ecological Analysis and Synthesis, Santa Barbara, CA
- 2006 Invited working group participant: “Functional Trait-Based Research,” Center for Tropical Forest Science (CTFS), held in Panama City, Panama
- 2005 Invited workshop participant: “Tropical Forest Dynamics,” CTFS, held in Panama City, Panama
- 2002 Invited workshop participant: “Spatial Patterns and Habitat Associations of Tropical Trees,” CTFS, held in Gamboa, Panama
- 2001, 2002 Invited working group participant: “Life-History Variation and Community Structure in Neotropical Rainforest Communities: Ecological and Phylogenetic Influences,” National Center for Ecological Analysis and Synthesis, Santa Barbara, CA
- 2001 Selected participant (with scholarship): “Advanced Comparative Neotropical Ecology” (OTS 01-25, the “Four Forests Course”), Organization for Tropical Studies (accredited through Universidad de Costa Rica) – held in Brazil, Costa Rica, Panama & Peru

2001 Invited workshop consultant and participant: “Spatial Patterns and Habitat Associations of Tropical Trees,” CTFS, held in Bangalore, India

CONFERENCE OR MEETING SESSION CHAIR OR MODERATOR

2022 Moderated session: “Community Assembly,” Association for Tropical Biology & Conservation, Cartagena, Colombia

2000 Chaired session: “Community Ecology and Tropical Biology,” Evolution Society / Association for Tropical Biology, Bloomington, IN

INVITED AD HOC REVIEWER FOR FACULTY PROMOTIONS AT ACADEMIC INSTITUTIONS
(15 invitations accepted; institutions & dates withheld to maintain anonymity)

Promotion to Full Professor (USA – 7)

Promotion to Associate Professor with Tenure (USA – 8)

Promotion to Lecturer & Habilitation (Switzerland – 1)

Up-gradation to Associate Professor (India – 1)

INVITED AD HOC REVIEWER FOR SCIENTIFIC STAFF PROFESSIONAL ACCOMPLISHMENT EVALUATION AT RESEARCH INSTITUTION

(1 invitation accepted; institution & date withheld to maintain anonymity)

Professional Accomplishment Evaluation (similar to promotion review; USA/Panama – 1)

INVITED AD HOC REVIEWER OF PH.D. CANDIDATES AT ACADEMIC INSTITUTIONS
(5 invitations accepted; institutions & dates withheld to maintain anonymity)

Ph.D. Dissertation Evaluations (Australia – 1; Brazil – 2; Finland – 1)

Ph.D. Project Proposal Evaluation (The Netherlands – 1)

INVITED AD HOC REVIEWER FOR FEDERAL (USA) GRANTING AGENCIES
(38 invitations accepted)

Department of Agriculture – Biology of Weedy & Invasive Plant Program (3); National Science Foundation (NSF) – Dimensions of Biodiversity; NSF – Ecological Biology (11); NSF – Integrative Organismal Systems; NSF – International Research Experiences for Students; NSF – International Research Fellowship Program; NSF – Long-term Research in Environmental Biology (6); NSF - Opportunities for Promoting Understanding through Synthesis; NSF – Population & Community Ecology (10); NSF – Population & Evolutionary Processes (3)

INVITED AD HOC REVIEWER FOR OTHER GRANTING AGENCIES & PROGRAMS
(30 invitations accepted)

American Association for the Advancement of Science for SciFlies.org; Center for Tropical Forest Science, Smithsonian Tropical Research Institute (18); Instituto de Investigaciones Científicas Avanzadas y Servicios de Alta Tecnología, Republic of Panama (2); Natural Environment Research Council, UK (5); Natural Sciences & Engineering Research Council of Canada; Netherlands Organisation for Scientific Research (3)

INVITED AD HOC REVIEWER FOR PROFESSIONAL JOURNALS

(235 invitations accepted; each manuscript with all of its revisions counts once in the tally)

*Acta Oecologica; Agricultural & Forest Entomology; American Journal of Botany; American Naturalist (4); AoB Plants; Auk; Basic & Applied Ecology; Biology Letters (2); Biotropica (22); Botanical Journal of the Linnean Society (2); Caudesia; Canadian Journal of Botany; Canadian Journal of Forest Research (2); Caribbean Journal of Science; Colombia Forestal; Community Ecology; Condor; Current Biology (presubmission enquiry); Diversity; Ecography (3); Ecological Applications; Ecological Monographs; Ecology (39, plus 2 for *The Scientific Naturalist* section); Ecology & Evolution; Ecology Letters (15); Ecoscience; Environmental Pollution; Flora; Forest Ecology & Management (4); Frontiers in Ecology & the Environment; Functional Ecology (4); Global Change Biology; Global Ecology & Biogeography (1 joint review with Luis Santiago-Rosario; 1 solo review); Ibis; International Journal of Ecology; International Journal of Forestry Research; International Journal of Plant Biology; International Journal of Plant Sciences; Journal of Applied Ecology (3); Journal of Biogeography (2); Journal of Ecology (25); Journal of Forest Research; Journal of Theoretical Biology; Journal of Tropical Ecology (9); Journal of Vegetation Science (11); Landscape Ecology; Microbiology Australia; Molecular Ecology; Nature Communications (2); New Phytologist; Oecologia (12); Oikos (3); Ornitología Neotropical; Perspectives in Plant Ecology, Evolution & Systematics; Philippine Agricultural Scientist; Philosophical Transactions of the Royal Society B; Plant & Soil; Plant Ecology (4); Plant Ecology & Diversity (3); Plant Ecology & Evolution; Plants, People, Planet; PLoS ONE (2); Proceedings of the National Academy of Sciences (4); Proceedings of the Royal Society B (2); Restoration Ecology; Revista de Biología Tropical (2); Revista Puente Biológico; Royal Society Open Science; Science (2); Texas Journal of Science; Vegetatio; Wetlands (2); Wetlands Ecology & Management*

INVITED AD HOC REVIEWER FOR PUBLISHERS & EDITORS

(11 invitations accepted)

CABI International, UK (reviewed chapter of edited book); Cambridge University Press, UK (reviewed selected chapters for proposed 2nd edition of textbook); CRC Press (reviewed chapter of edited book; see pg. xxi, Kirkman & Jack, 2018, *Ecological Restoration & Management of Longleaf Pine Forests*); Ediciones LUR, Costa Rica (reviewed chapter of edited book); Elsevier (reviewed proposal for textbook); John Wiley & Sons (reviewed selected textbook chapters as Specialized Consultant; see pg. ix, Alters & Alters, 2006, *Biology: Understanding Life*); Jones & Bartlett Learning (reviewed proposal for textbook); McGraw-Hill (reviewed selected textbook chapters for two separate textbooks; see pg. xi, Brooker *et al.* 2008, *Biology*; see pg. ix, Raven *et al.* 2008, *Biology 8th Edition*); Smithsonian Institution Scholarly Press (reviewed chapter of edited book); University of Chicago Press (reviewed chapter of edited book)

INVITED GUEST LECTURES, OUTREACH PRESENTATIONS, RADIO INTERVIEW, ETC.

- 2024 Kids' Day at the Museum – conversation with elementary students about STEM, organized by LSU College of Science & Museum of Natural Science (Feb. 24)
- 2023 Nicholls State University – Environmental Law & Policy (BIOL 560) guest lecture (March 24 via Zoom)
- 2022 Saturday Science public lecture at Goodwood Library, organized by Department of Physics & Astronomy, Louisiana State University, Baton Rouge, LA (Dec. 10)
[See LSU Saturday Science website for a recording of the lecture: <https://www.lsu.edu/physics/colloquia-seminars/saturday-science.php>]
- 2021 Interview “Episode 41: What’s the Deal with Biodiversity?” for LSU Experimental podcast (May 28)
[See LSU Experimental recording archives: <https://soundcloud.com/lsuexperimental/episode-41-kyle-harms-whats-the-deal-with-biodiversity>]
- 2020 Radio Interview “Episode 163” for *Third Place*, WHYR FM 96.9, Baton Rouge, LA (Sept. 10)
[See *Third Place* recording archives: <https://www.mixcloud.com/3dP/3dp2020episode163>]
- 2020 Geaux Science Explorations Story Time – reader & activity co-leader (with Luis Santiago-Rosario) for K-3 elementary students at Goodwood Library, Baton Rouge, LA (Feb. 1)
- 2015 Baton Rouge Center for Visual & Performing Arts, Baton Rouge, LA – presentation to 2nd grade class on soil formation (Jan. 28)
- 2014 Alexandria High School students at Louisiana State University – presentation on research (April 30)
- 2013 Louisiana State University Lagniappe Studies course – Environmental & Ecosystem Sustainability (Sept. 23)
- 2012 Baton Rouge Center for Visual & Performing Arts, Baton Rouge, LA – presentation to 2nd grade class on soil formation (Nov. 13)
- 2012 Department of Biological Sciences, Louisiana State University, Baton Rouge, LA (Aug. 27; promotion seminar)
- 2009 University Methodist Preschool, Baton Rouge, LA – presentation on seed biology (April 22)
- 2008 La Trobe University, Bundoora, Australia – introductory R computing session for Plant Ecology students (Nov. 12)
- 2007 Department of Biological Sciences, Louisiana State University, Baton Rouge, LA (Jan. 22; tenure promotion seminar)
Louisiana State University Science Club (April 17)
Louisiana State University, Baton Rouge, LA – Tropical Ecology (BIOL 7001; April 17 guest lecture)
- 2005 Saturday Science lecture for local high schools, organized by Department of Physics & Astronomy, Louisiana State University, Baton Rouge, LA
- 2003 Beta Beta Beta Biological Honor Society, Louisiana State University, Baton Rouge, LA

- 2002 New Orleans Chapter of the Society for Conservation Biology, New Orleans, LA
Louisiana State University, Baton Rouge, LA – Tropical Ecology (BIOL 7001)
Smithsonian Tropical Research Institute – field course held in Panama
- 2001 Cornell University, Ithaca, NY – Tropical Ecosystems
Hartley-Melvin-Sanborn Middle School, Sanborn, IA
- 2000 Orangewood Retirement Community, Phoenix, AZ
- 1999 Smithsonian Tropical Research Institute, Barro Colorado Island, Panama
Hartley-Melvin-Sanborn Elementary School, Hartley, IA
- 1998 McKinley Elementary School, Estherville, IA
Princeton University – field course held in Panama
- 1997 Friends of Princeton Open Space, Princeton, NJ
- 1995 Smithsonian Tropical Research Institute, Barro Colorado Island, Panama
- 1984 Iowa Great Lakes Rotary Club, Spirit Lake, IA

LOUISIANA STATE UNIVERSITY SERVICE

LSU Department of Biological Sciences – Departmental Committees & Other Service

- Current (since 2024) Member of Pre-tenure Mentoring Committee for Gaurav Kandlikar
- Current (since 2019) Member of Faculty Awards Committee
- Current (since 2017) Chair of Endowment Funds Committee (member since 2003)
- Current (since 2012) Chair of Computer Committee
- 2024 Diversity Representative on search committee for Biochemistry faculty
- 2024 Member of search committee for IT Analyst 1
- 2023 Judge for Division of Systematics, Ecology & Evolution talks and posters for BioGrads Symposium (April 13-14)
- 2021-2022 Member of search committee for Ecology faculty
- 2020-2024 Chair of Pre-tenure Mentoring Committee for Daijiang Li
- 2019-2021 Member of Pre-tenure Mentoring Committee for Tad A. Dallas
- 2019-2021 Member of Peer-Teaching Evaluation Committee for Laura P. Lagomarsino
- 2015-2016 Diversity Representative on search committee for Director of the LSU Herbaria
- 2014-2019 Chair of Pre-tenure Mentoring Committee for Morgan W. Kelly
- 2014-2016 (2-yr term) Representative on the Department of Biological Sciences Executive Committee from the Division of Systematics, Ecology & Evolution
- 2014-2015 Member of search committee for Ecology faculty
- 2013-2018 Member of Pre-tenure Mentoring Committee for Maheshi Dassanayake

- 2012-2013 Member of Department of Oceanography & Coastal Sciences search committee for Ecology faculty – Representative from Department of Biological Sciences
- 2011-2013 Member of Space Committee
- 2009-2014 Member of Graduate Admissions Committee
- 2008-2015 Chair of Pre-tenure Mentoring Committee for Bret D. Elderd
- 2007-2009 (2-yr term) Representative on the Department of Biological Sciences Executive Committee from the Division of Systematics, Ecology & Evolution
- 2007-2008 Chair of search committee for Quantitative Ecology faculty
- 2007 Invited participant of Student Awards Committee to select awardees (Feb. 23)
Judge of oral session for 9th Annual Graduate Student Symposium (Nov. 7)
- 2006 Departmental representative at College of Basic Sciences Spring Diploma Ceremony
Member of *ad hoc* sub-committee to evaluate restructuring Biological Sciences
- 2004-2005 Member of search committee for Microbial Ecology & Evolution faculty
- 2004 Member of search committee for Departmental Chairman
- 2003-2006 Member of Graduate Recruiting Committee
- 2003-2004 Member of search committee for Evolutionary Development faculty
- 2003 Member of *ad hoc* committee to evaluate a graduate student's progress in BIOL 7152
Member of Long-Range Planning Committee for the Division of Systematics, Ecology & Evolution
- 2002 Initiated and coordinated "Video Nights with David Attenborough", fortnightly educational, extracurricular video presentations for students in Biological Sciences

LSU Department of Biological Sciences – Host for Departmental Guests

- 2024 Co-nominated, co-invited & co-hosted (with Maggie Vincent) BioGrads' choice for departmental seminar speaker Patricia Brennan, Mount Holyoke College (Nov.18)
- 2024 Nominated, invited & hosted departmental seminar speaker Mark Vellend, Université de Sherbrooke, Québec, Canada (Feb. 26 via Zoom)
- 2022 Nominated, invited & hosted departmental seminar speaker Sally E. Koerner, University of North Carolina Greensboro (Sept. 26 via Zoom)
- 2021 Nominated, invited & hosted departmental seminar speaker Brian J. McGill, University of Maine (Sept. 13 via Zoom)
- 2021 Nominated, invited & co-hosted (with Jessica Eberhard) departmental seminar speaker Douglas J. Emlen, University of Montana (April 19 via Zoom)
- 2019 Hosted departmental seminar speaker Stephen Midway, Department of Oceanography & Coastal Sciences, Louisiana State University (October 21)

- 2019 Hosted departmental seminar speaker Jennifer Brum, Department of Oceanography & Coastal Sciences, Louisiana State University (Oct. 7)
- 2019 Nominated, invited & hosted departmental seminar speaker Natalie A. Clay, Louisiana Tech University (March 11)
- 2018 Nominated, invited & hosted departmental seminar speaker Adam M. Siepielski, University of Arkansas (Jan. 29)
- 2016 Hosted departmental seminar speaker John W. Fleeger, Emeritus Professor, Louisiana State University (March 31)
Co-nominated, co-invited & co-hosted (with Katherine Hovanes) departmental seminar speaker Peter B. Adler, Utah State University (March 14)
- 2015 Nominated, invited & hosted Schexnayder Distinguished Botany Lecturer Thomas E. Miller, Florida State University (Nov. 2)
- 2014 Nominated, invited & hosted departmental seminar speaker Jane E. Carlson (K. E. Harms's former Ph.D. student), Nicholls State University (Nov. 3)
Co-nominated, co-invited & co-hosted (with Sandra Galeano) departmental seminar speaker Mark A. McPeck, Dartmouth University (Jan. 27)
- 2013 Nominated, invited & hosted departmental seminar speaker John W. Fleeger, Emeritus Professor, Louisiana State University (Sept. 16)
- 2012 Co-nominated, co-invited & co-hosted (with Metha Klock) departmental seminar speaker Eric Seabloom, University of Minnesota (Feb. 6)
- 2011 Invited & hosted departmental seminar speaker Jordan Karubian, Tulane University (Sept. 12)
- 2010 Invited & hosted guest seminar speaker John W. Morgan, La Trobe University (Bundoora, Australia) (May 10)
Invited & hosted James B. Grace, USGS National Wetlands Research Center, for a one-day workshop on Structural Equation Modeling at LSU (April 2)
- 2009 Invited & hosted Museum of Natural Science seminar speaker W. Douglas Robinson, Oregon State University (April 17)
Invited & hosted guest seminar speaker Tara Rodden Robinson, Oregon State University (April 17)
Co-nominated, co-invited & co-hosted (with Adriana Bravo) departmental seminar speaker John W. Terborgh, Duke University (Feb. 16)
- 2008 Invited & hosted departmental seminar speaker James W. Dalling, University of Illinois (April 11)
Hosted prospective undergraduates in my lab for Chancellor's Scholars Day (Feb. 22)
Nominated, invited & hosted departmental seminar speaker Jonathan M. Levine, University of California at Santa Barbara (Jan. 28)
- 2007 Nominated, invited & hosted departmental seminar speaker Charles Allen, University of Louisiana at Monroe (Nov. 26)

- Hosted Visiting Professor & guest seminar speaker Peter T. Green, La Trobe University (Bundoora, Australia) (Nov. 14 - Dec. 14)
- 2006 Nominated, invited & hosted departmental seminar speaker Robert E. Ricklefs, University of Missouri at St. Louis
Hosted Visiting Professor Alexandre Adalardo de Oliveira, Universidade de São Paulo (São Paulo, Brazil) (Feb. 2 - May 15)
- 2005 Served as faculty advisor & host for one semester to Ivan Soto-Calderon, a Ph.D. graduate student displaced from the University of New Orleans by Hurricane Katrina
- 2004 Invited & hosted Ecolunch speaker Martin Burd, Monash University (Melbourne, Australia)
Invited & hosted guest seminar speaker Charles E. Zartman (K. E. Harms's post-doc), Duke University
Nominated, invited & hosted departmental seminar speaker Thomas G. Whitham, Northern Arizona University
- 2002 Nominated, invited & hosted departmental seminar speaker Michael Kaspari, University of Oklahoma

LSU College of Science (College of Basic Sciences prior to 2010)

- 2025 Dean-appointed Chair of Chair Selection Committee for the Department of Biological Sciences
- 2023-2024 Dean-appointed member of College Selection Committee for the Ron & Mary Neal Professorship
- 2019 Invited member of platform party for College of Basic Sciences Diploma Ceremony (May 10)
- 2017-2019 Dean-appointed member of College Diversity Committee
- 2011-2015 Faculty Sponsor (Advisor) of Science Honors Program
- 2010 Dean-appointed member of Science Honors Program Steering Committee
- 2008 Dean-appointed member of College Selection Committee for the Non-Tenured Faculty Research Award
- 2007 Invited member of platform party for College of Basic Sciences Diploma Ceremony (May 18)
- 2003, 2007 Advisor for Fall Testing, Advising & Scheduling for Freshman Enrollment
- 2003 College representative to assess the White Lake Preservation Area, LA for use in teaching & research
- 2002, 2004, 2009, 2011, 2014, 2018 Advisor for Spring Invitational (SPIN) Advising (formerly Spring Testing, Advising & Scheduling) for Freshman Enrollment

LSU University-Wide

- Current (since 2009) Delegate or Institutional Representative (1 of 2 from LSU) representing LSU (which is an Institutional Member) of the Organization for Tropical Studies (OTS)

- Spearheaded and organized the effort with former co-Delegate Christopher E. Carlton that culminated in LSU becoming a Permanent Member of OTS (fully achieved Feb. 16, 2015)
- Represented LSU at Annual Meetings: Las Cruces Research Station, Costa Rica (Feb. 2010); La Selva Research Station, Costa Rica (March 2012); San José, Costa Rica (June 2013); La Selva Research Station, Costa Rica (March 2018); Universidad de Costa Rica, Costa Rica (March 2019); La Selva Research Station, Costa Rica (March 2020); Zoom meeting (July 29, 2021); Zoom meeting (November 16, 2022); Zoom meeting (January 26, 2023)
- 2021 Nominated, invited & co-hosted (with LSU Chapter of Phi Beta Kappa, College of Science, Department of Biological Sciences, and Ogden Honors College) Phi Beta Kappa Visiting Scholar Richard O. Prum (Yale University) (April 5-6)
- 2019-2020 Invited member of steering committee for LSU Earth Day 50th Anniversary, chaired by Dean Chris D'Elia, School of the Coast & Environment; chaired sub-committee for teach-in events (Note: intended to be held throughout LSU's campus during April 2020, but then cancelled owing to COVID-19 pandemic)
- 2019 Invited member of Communication Across the Curriculum (CxC) 1-day faculty workshop to evaluate and improve CxC program (May 13)
- 2019 Proposal reviewer for LSU Chapter of Sigma Xi – Graduate Student Grants-in-Aid of Research
- 2018 Co-organized with principal organizer Eugene Turner (Department of Oceanography & Coastal Studies) & others – EcoForum for LSU ecologists & environmental biologists to share “lightning talks” about their research (April 19)
- 2018 Panelist on 3-member Degree Program Review Panel; reviewed academic and degree programs of LSU School of Nutrition & Food Sciences
- 2018 Proposal reviewer for LSU Discover Undergraduate Research Program
- 2014-2016 College of Science Representative (1 of 2) on Faculty Senate Internationalization Committee (Chair 2015-16; Vice Chair 2014-15)
- 2013 Co-organized with principal organizer Eugene Turner (Department of Oceanography & Coastal Studies) & co-organizer Linda Hooper-Bui (Department of Entomology) – EcoForum for LSU ecologists & environmental biologists to share “lightning talks” about their research (April 25)
- 2012-2014 Chair of LSU Chapter of Phi Beta Kappa Committee on Membership Selection Criteria
- 2010-2014 LSU Chapter of Phi Beta Kappa – Executive Committee (President 2011-12; Vice President 2010-11 & 2013-14 [two separate occasions])
- 2010-2013 Member of Communication Across the Curriculum (CxC) Distinguished Communicator Review Panel
- 2010-2013 Member of Sustainability Curriculum in Education Committee
- 2009-2012 Member of Communication Across the Curriculum (CxC) Advisory Council
- 2009-2010 Member of Communication Across the Curriculum (CxC) Faculty Development Subcommittee

- 2005 Co-nominated, co-invited & co-hosted (with William J. Platt) Joseph H. Connell (University of California, Santa Barbara) for Chancellor's Distinguished Lectureship
- 2003 Nominated, invited & hosted Stephen P. Hubbell (University of Georgia) for Chancellor's Distinguished Lectureship
- 2002-2006 LSU Chapter of Sigma Xi – Executive Committee (Past President 2005-06; President 2004-05; Vice President 2003-04; Secretary 2002-03)

PROFESSIONAL MEMBERSHIPS

American Association for the Advancement of Science – AAAS Fellow

[See *Awards & Honors* above]

Association for Tropical Biology & Conservation

Ecological Society of America – Lifetime Member

Kansas Entomological Society

Longleaf Alliance

Organization for Tropical Studies