CURRICULUM VITAE
University of Idaho

NAME: Leda N. Kobziar

DATE: April 20, 2025

RANK OR TITLE: Professor

DEPARTMENT: Forest, Rangeland, and Fire Science

OFFICE LOCATION AND CAMPUS ZIP:
121 Harbor Center, Coeur d'Alene, 83814

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DATE OF FIRST EMPLOYMENT AT UI: October 26, 2015
DATE OF TENURE: March 22, 2021
DATE OF PRESENT RANK OR TITLE: May, 2024

EDUCATION BEYOND HIGH SCHOOL:

Degrees:

PhD: University of California at Berkeley, Berkeley, California, Department of Environmental Science, Policy, and Management. June 2006: Fire Ecology
MS: University of California at Berkeley, Berkeley, California, June 2000: Forest Science
BS: The Evergreen State College, Olympia, Washington, June 1996: Biological Sciences
BA: The Evergreen State College, Olympia, Washington, June 1996: Liberal Arts

Certificates and Licenses:

Certified Wildland Fire Ecologist, the Association for Fire Ecology, January 2011-present
Certified Prescribed Burn Manager, Florida Forest Service, FL, January 2008-present
Type II Wildland Firefighter, Boulder, CO, June 1998-present

EXPERIENCE:

Teaching, Extension and Research Appointments:

5/2024-present	**Professor of Wildland Fire Science with Tenure, University of Idaho**
3/2021-5/2024	Associate Professor of Wildland Fire Science with Tenure, University of Idaho
6/2020-2/2021	Associate Professor of Wildland Fire Science, University of Idaho
6/2017-5/2020	Associate Clinical Professor of Wildland Fire Science, University of Idaho
10/26/2015	Assistant Clinical Professor of Wildland Fire Science, University of Idaho
2012-2015	Associate Professor of Fire Science & Forest Conservation with Tenure, University of Florida
2006-2011	Assistant Professor of Fire Science and Forest Conservation, University of Florida
2001-2006	Graduate Research Fellowship/ Assistantship, University of California at Berkeley
1998-2004	Graduate Student Instructor, University of California at Berkeley: Biology, Forest Ecology, the American Forest

Academic Administrative Appointments:

Director, Master of Natural Resources Program, January 2017-present: University of Idaho, College of Natural Resources

Interim Director of Graduate Studies, College of Natural Resources, 2022-2023

Lead, Fire Ecology and Management Option, **October 2015-2017:** Master of Natural Resources Program, University of Idaho College of Natural Resources.

Lead, MS Program in Ecological Restoration, University of Florida, 2009-2015.

TEACHING ACCOMPLISHMENTS:

Areas of Specialization: Fire ecology and science, Prescribed burning, Fire and fuels management, Restoration ecology, Fire behavior

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Courses Taught: *(G = graduate, UG = undergraduate)*

University of Idaho (Starting Spring 2016):

FOR 526	Fire Ecology (G; Fall, 2016-present)
FOR 557	Advanced Fire Behavior (G; Fall, 2016-present)
NR 599	Final Portfolio (G; MNR Capstone course; 20017-2021, summer 2022-present)
FOR 451	Fuels Inventory and Management (UG/G; Spring, 2016-2021)
ENVS 497	Environmental Science Capstone Research (UG; Spring 2018-2020)
REM 440	Wildland Restoration Ecology (UG/G; Spring, 2016-2018; 2021)
FOR 444	Prescribed Burning for Ecologically-based Management (UG; Spring 2017-2018) Co-taught
NRS 504	Fire Science Forum (G; Fall, 2016, 2017) Co-taught
FOR 510	GIS Applications in Fire Ecology and Management (G; Spring, 2016) Co-taught

Guest Lectures (multiple years)**:** FOR 326 Fire Ecology, FOR 501 Forest, Rangeland, and Fire Science Seminar, FOR 102 Introduction to Forest Management, NRS 501 Natural Resources and Society Seminar, NRS 508 Research in Natural Resources, NR 211 Undergraduate Research Experience.

University of Florida (Spring 2007-Fall 2015):

FOR 3200C	Foundations in Forest Resources and Conservation (UG: Summer, 2007-2015)
FOR 3214	Fire Ecology and Management, UG/G (2007-2015)
FOR 3214L	Fire Ecology and Management Lab, UG/G (2007-2015)
FOR 6215	Fire Paradigms (G: Spring, 2013, 2015)
FOR 4905	Fire Use and Impacts in the Southern US (co-taught with the Prescribed Fire Training Center, Tallahassee FL; Spring 2009-2015)
FOR 5159	Ecology and Restoration of the Longleaf Pine Ecosystem (UG/G: Spring 2012, 2013, 2014)
FOR 6934	Fire Modeling (Graduate: Spring 2008)
FOR 6933	Graduate Seminar (Fall 2009, 2010)

Students Advised, University of Florida:
PhD, School of Forest Resources and Conservation: Adam Watts
PhD, School of Forest Resources and Conservation: Jesse Kreye
PhD, School of Forest Resources and Conservation: David Godwin
PhD, School of Forest Resources and Conservation: Johanna Freeman
PhD, SFRC/ City and Regional Planning: Scott Rothberg
MS, Five SFRC MS students

Students Advised, University of Idaho:

Undergraduate Students: two Environmental Science (ENVS) students advised to completion of degree (2020), two in 2021, two in 2022.

Idaho Idea Network of Biomedical Research Excellence (InBRE): Mentor: Shelby Green (UIdaho ENVS, 2018), Hannah Griffin (North Idaho College, 2022), Cassie Larsen (BYU Idaho, 2022).

Graduate Students:

University of Idaho			
Applicant's Role	**Student**	**[2]Home Dept.**	**Completion Date**

Chair, MS Committee (1)	Gilbert, Tyler	CNR-NRS, MS	2018
Chair, PhD Committee (3)	Odekirk, Jacob	ENVS- PhD	2026
	Brian Van Winkle (Co-Chair)	CNR-NRS	2026
	Phinehas Lampman	CNR-NRS	2025
Member, PhD Committee (9)	Stasiewicz, Amanda	CNR-NRS	2020
	Fillmore, Stephen	CNR-FRFS	2023
	Kramarik-Luth, Frank	CNR-FRFS	2024
	Snyder, Krystal	CNR-FRFS	2024
	Yurcich, Emily	CNR-FRFS	2023
	White, Sasha	ENVS- PhD	2025
	Heward, Heather	College of Education, Health, and Human Sciences	2026
	Jack Kredell	English	2025
	Allison Shriner	CNR- NRS	2025
	Elise Kokenge	College of Education, Health, and Human Sciences	2025
Chair/ Major Professor, MNR (135 current students; 165 graduated students to Fall 2024)	**(Partial List)**		
	Slifko, Matt R.	CNR-MNR	2017
	McDaniel, Darcy R.	CNR-MNR	2017
	Drenga, Alexander	CNR-MNR	2018
	Hinojosa, Holly R.	CNR-MNR	2018
	Lesiak, Michael J.	CNR-MNR	2018
	Miner, Brian D.	CNR-MNR	2018
	Smith, Rylee A.	CNR-MNR	2018
	Wierwille, Nathan C.	CNR-MNR	2018
	Hazen-McCreary, Krystal D.	CNR-MNR	2018
	Karl, Jeffrey R.	CNR-MNR	2018
	Polzin, Zachariah B.	CNR-MNR	2018
	Yankowiak, Elizabeth J.	CNR-MNR	2018
	Drake, Cedar	CNR-MNR	2019
	Dymock, Emily A.	CNR-MNR	2019
	Walczyk, Joan R.	CNR-MNR	2019
	Yeggy, Kameron	CNR-MNR	2019
	LeDesma, Ashley E.	CNR-MNR	2020
	Berry, Sam R.	CNR-MNR	2020
	Davis, Jessa C.	CNR-MNR	2020
	Graves, George E.	CNR-MNR	2020
	Hedelius, Jared L.	CNR-MNR	2020
	Liday, Jeffrey S.	CNR-MNR	2020
	Somenek, Mia E.	CNR-MNR	2020
	Ajeti, Sara M.	CNR-MNR	2020
	Barnes, Jamie	CNR-MNR	2020
	Crofoot, Lindsey M.	CNR-MNR	2020
	Currier, Katie M.	CNR-MNR	2020
	Dise, Joshua T.	CNR-MNR	2020
	Fackrell, Kerry C.	CNR-MNR	2020
	Griffee, Kelsey E.	CNR-MNR	2020
	Halliday, Sarah J.	CNR-MNR	2020
	Maxwell, John E.	CNR-MNR	2020

	McLeod, Jason L.	CNR-MNR	2020
	Mellick, Christine M.	CNR-MNR	2020
	Nizer, Dean	CNR-MNR	2020
	Scanlan, Alexa T.	CNR-MNR	2020
	Townsend, Kenneth J.	CNR-MNR	2020
	Walgrave, Cole R.	CNR-MNR	2020
	Brochez, Carolyn B.	CNR-MNR	2021
	Jensen, Justin	CNR-MNR	2021
	Maher, Rebecca N.	CNR-MNR	2021
	McCafferty, Matthew E.	CNR-MNR	2021
	Palmer, Zachary B.	CNR-MNR	2021
	Petrillo, Robert J.	CNR-MNR	2021
	Poteat, Luke P.	CNR-MNR	2021
	Ayers, Alexander G.	CNR-MNR	2021
	Brantley, Anne M.	CNR-MNR	2021
	Juell, Isabel B.	CNR-MNR	2021
	McDaid, Lauren E.	CNR-MNR	2021
	Schuchardt, Ashley M.	CNR-MNR	2021
	Sharp-Miner, Jessica L.	CNR-MNR	2021
	Thomas, Samantha C.	CNR-MNR	2021
	Wickersham, Thea E.	CNR-MNR	2021
	Yake, David R.	CNR-MNR	2021
	Yuncevich, Stephen M.	CNR-MNR	2021
	Anderson, Kelsey R.	CNR-MNR	2021
	Connolly, Joseph W.	CNR-MNR	2021
	Conway, Mellissa A.	CNR-MNR	2021
	Harris, Megan P.	CNR-MNR	2021
	Harvey, Haley M.	CNR-MNR	2021
	Hayes, Kenneth R.	CNR-MNR	2021
	Hooper-Wolff, Thomas	CNR-MNR	2021
	Konzek, Daniel S.	CNR-MNR	2021
	Lambert, Justin C.	CNR-MNR	2021
	Mapes, Lauren N.	CNR-MNR	2021
	Merriman, Danielle A.	CNR-MNR	2021
	Peterson, Eli F.	CNR-MNR	2021
	Riggles, Drew C.	CNR-MNR	2021
	Shaneyfelt, Daniel G.	CNR-MNR	2021
	Shropshire, Kerry E.	CNR-MNR	2021
	Simons, Alexandria M.	CNR-MNR	2021
	Smith, Matthew	CNR-MNR	2021
	Wells, William E.	CNR-MNR	2021
	Zimmerman, Hannah D.	CNR-MNR	2021
	Brazeau, Morgan	CNR-MNR	2022
	Hay, Maura E.	CNR-MNR	2022
	Lawinger, Sarah E.	CNR-MNR	2022
	Lewis, Avery J.	CNR-MNR	2022
	Martling, Shaylee R.	CNR-MNR	2022
	Mayer, Lindsey C.	CNR-MNR	2022
	Mitchell, Glenn W.	CNR-MNR	2022
	Nate, Caitlin L.	CNR-MNR	2022
	Newton, Camron R.	CNR-MNR	2022

	Priddy, Mindy	CNR-MNR	2022
	Schweitzer, Emory F.	CNR-MNR	2022
	Sponseller, Cameron D.	CNR-MNR	2022
	Stubbendeck, Jared T.	CNR-MNR	2022
	Wicken, Zoe	CNR-MNR	2022
	Woll, Jade	CNR-MNR	2022
	Woods, Will D.	CNR-MNR	2022
	Ader, Jonathan M.	CNR-MNR	2022
	Anderson, Brian	CNR-MNR	2022
	Cooper, Audrey A.	CNR-MNR	2022
	Gorder, Jeffrey S.	CNR-MNR	2022
	Gratto, Emma	CNR-MNR	2022
	Hawker, Alexandra A.	CNR-MNR	2022
	Hodgson, Lily F.	CNR-MNR	2022
	Jones, Laura J.	CNR-MNR	2022
	Larsen, Joshua G.	CNR-MNR	2022
	Lewellen, Brittany L.	CNR-MNR	2022
	Martin, Cal S.	CNR-MNR	2022
	Medders, Matthew	CNR-MNR	2022
	Nelson, Joshua M.	CNR-MNR	2022
	Nelson, Taylor R.	CNR-MNR	2022
	Pacer, Zachary A.	CNR-MNR	2022
	Perry, Eric M.	CNR-MNR	2022
	Postlewaite, John T.	CNR-MNR	2022
	Redding, Philip	CNR-MNR	2022
	Satterwhite, Lori R.	CNR-MNR	2022
	Sharp, Noel	CNR-MNR	2022
	Sollenberger, Jordan T.	CNR-MNR	2022
	Vorwald, Anthony M.	CNR-MNR	2022
	Whetten, Lauren C.	CNR-MNR	2022
	Blanton, Brooke M.	CNR-MNR	2023
	Cerda, Marie E.	CNR-MNR	2023
	Cochran, Craig L.	CNR-MNR	2023
	Corbett, Patrick J.	CNR-MNR	2023
	Delgadillo, Eric A.	CNR-MNR	2023
	Doerr, Elyse M.	CNR-MNR	2023
	Donato, Brian C.	CNR-MNR	2023
	Frazier, Kayleigh A.	CNR-MNR	2023
	Friesen, Galen C.	CNR-MNR	2023
	Hogan, Caroline S.	CNR-MNR	2023
	Howard, Lauren	CNR-MNR	2023
	Keibler, Anna C.	CNR-MNR	2023
	Martin, Camryn L.	CNR-MNR	2023
	Meeks, Shari K.	CNR-MNR	2023
	Morrison, Howard d.	CNR-MNR	2023
	Osborn, Brittney L.	CNR-MNR	2023
	Ramos, Luis J.	CNR-MNR	2023
	Runs Through, Stephanie A.	CNR-MNR	2023
	Sheker-Grothe, Callie F.	CNR-MNR	2023
	Van Raden, Abbie	CNR-MNR	2023

[1]*MNR is Master of Natural Resources, NRS is Natural Resources and Society Department, CNR is College of Natural Resources, ENVS is Environmental Science.*

Materials Developed: For each course taught at University of Idaho, I developed online courses including lectures, assignments, discussion boards, and various interactive media.

Courses Developed: FOR 526; REM 440; FOR 451, FOR 557 (co-developed); ENVS 497; FOR 444; FOR 504; NR 599. I also supported the development of NRS 588 NEPA in Policy and Practice.

Non-credit Classes Taught:

NWCG: RX-310: Fire effects on vegetation
Florida Forest Service: Interagency Prescribed Burn Manager course
Dept. of Defense Wildland Fire Training: RX 310
NWCG: S-290
NWCG: S-190

Note: NWCG is the National Wildfire Coordinating Group, responsible for national fire training course administration.

Honors and Awards:

- Outstanding Faculty Advisor: College of Natural Resources, 2023
- Distinguished Leader in Education, Association for Fire Ecology, 2022.
- University of Idaho Mid-Career Faculty Award, 2022.
- Faculty Woman of the Year, Athena Foundation, 2021.
- Outstanding Instructor, College of Natural Resources, University of Idaho, 2018.
- Presidential Leadership Award, Association for Fire Ecology, 2017.
- Supervising Outstanding Dissertation Award, SFRC, University of FL, 2012.
- Outstanding UCB Graduate Student Instructor, University of California, Berkeley, 2005.

SCHOLARSHIP:

Publications, Exhibitions, Performances, Recitals:

Refereed/Adjudicated ***Indicates graduate or undergraduate student author under my supervision***

Radosevich MT, Dobson, S., Weaver, A.K., *Lampman, P., Kollath, D., Couper, L., Campbell, G., Taylor, J.W., Remais, J.V., Kobziar, L., Markwiese, J., & Head, J.R. 2025. Detection of Airborne Coccidioides Spores Using Lightweight Portable Air Samplers Affixed to Uncrewed Aircraft Systems in California's Central Valley. *Environ Sci Technol Lett* 2025. https://doi.org/10.1021/acs.estlett.4c01089

McHale, T.C., Boulware, D.R., Searle, K., Kobziar, L., *Lampman, P., Zuniga-Moya, J.C., Papadopoulos, B., Spec, A., Hauser, N., & Thompson, G.R. 2025. P-1957. Spatiotemporal Association of COVID-19 Cases and Mortality with Exposure to Wildfire Particulate Matter in 2020. Open Forum Infectious Diseases. https://doi.org/10.1093/ofid/ofae631.2116

Ellington, A., Walters, K., Christner, B. C., Fox, S., Bonfantine, K., Walker, C., Lampman, P., Vuono, D. C., Strickland, M., Lambert, K., Kobziar, L. N. 2024. Dispersal of microbes from grassland fire smoke to soils. Multidisciplinary Journal of Microbiology ISME 18: wrae203.

Kobziar, L. N., J. K. Hiers, C. M. Belcher, W. J. Bond, C. A. Enquist, E. L. Loudermilk, J. R. Miesel, J. J. O'Brien, J. G. Pausas, S. Hood, R. Keane, P. Morgan, M. R. A. Pingree, K. Riley, H. Safford, F. Seijo, J. M. Varner, T. Wall, and A. C. Watts. 2024. Principles of fire ecology. Fire Ecology 20:39.

Kobziar, L. N., *P. Lampman, D. Vuono, Tohidi, A., Kochanski, A., Cervantes, A., R. Moore, McCarley, R., Hudak, A., B. C. Christner, Cronan, J., A. C. Watts, J. Aurell, and B. Gullett, R. Ottmar. 2024. Microbial Emission Factors: The Foundation for a Terrestrial-Atmospheric Modeling of Bacteria Aerosolized in Wildland Fires. Environmental Science and Technology 58:2413–2422.

*Kokenge, E., L. B. Holyoke, K. M. Soria, L. Kobziar, and S. B. Daley-Laursen. 2024. Online programs: Attrition risks differ between environmental science and natural resource master's non-thesis students. Natural Sciences Education 54:e70005.

Crandall, R. M., Y. M. Chew, J. M. Fill, J. K. Kreye, J. M. Varner, and L. N. Kobziar. 2024. Pine trees structure plant biodiversity patterns in savannas. Ecology and Evolution 14:e70021.

North, M. P., S. M. Bisbing, D. L. Hankins, P. F. Hessburg, M. D. Hurteau, L. N. Kobziar, M. D. Meyer, A. E. Rhea, S. L. Stephens, and C. S. Stevens-Rumann. 2024. Strategic fire zones are essential to wildfire risk reduction in the Western United States. Fire Ecology 20:50.

Bonfantine, K., D. C. Vuono, B. C. Christner, R. Moore, S. Fox, T. Dean, D. Betancourt, A. Watts, and L. N. Kobziar. 2024. Evidence for Wildland Fire Smoke Transport of Microbes From Terrestrial Sources to the Atmosphere and Back. Journal of Geophysical Research: Biogeosciences 129:e2024JG008236.

*Heward, H., Holyoke, L., Kobizar, L. N. 2024. Learning to Burn: A Case Study on the Redesign of Federal Prescribed Fire Training in the United States Using the 12 Levers of Transfer Effectiveness. Journal of Forestry. 2024 July. DOI: 10.1093/jofore/fvae022

Kobziar, L. N., D. Vuono, R. Moore, B. C. Christner, T. Dean, D. Betancourt, A. C. Watts, J. Aurell, and B. Gullett. 2022. Wildland fire smoke alters the composition, diversity, and potential atmospheric function of microbial life in the aerobiome. ISME Communications 2:8.

Ladino, J., L. N. Kobziar, *J. Kredell, and T. C. Cohn. 2022. How Nostalgia Drives and Derails Living with Wildland Fire in the American West. Fire 5:53.

Shuman, J. K., J. K. Balch, R. T. Barnes, P. E. Higuera, C. I. Roos, D. W. Schwilk, E. N. Stavros, T. Banerjee, M. M. Bela, J. Bendix, S. Bertolino, S. Bililign, K. D. Bladon, P. Brando, R. E. Breidenthal, B. Buma, D. Calhoun, L. M. V. Carvalho, M. E. Cattau, K. M. Cawley, S. Chandra, M. L. Chipman, J. Cobian-Iñiguez, E. Conlisk, J. D. Coop, A. Cullen, K. T. Davis, A. Dayalu, F. De Sales, M. Dolman, L. M. Ellsworth, S. Franklin, C. H. Guiterman, M. Hamilton, E. J. Hanan, W. D. Hansen, S. Hantson, B. J. Harvey, A. Holz, T. Huang, M. D. Hurteau, N. T. Ilangakoon, M. Jennings, C. Jones, A. Klimaszewski-Patterson, L. N. Kobziar, J. Kominoski, B. Kosovic, M. A. Krawchuk, P. Laris, J. Leonard, S. M. Loria-Salazar, M. Lucash, H. Mahmoud, E. Margolis, T. Maxwell, J. L. McCarty, D. B. McWethy, R. S. Meyer, J. R. Miesel, W. K. Moser, R. C. Nagy, D. Niyogi, H. M. Palmer, A. Pellegrini, B. Poulter, K. Robertson, A. V. Rocha, M. Sadegh, F. Santos, F. Scordo, J. O. Sexton, A. S. Sharma, A. M. S. Smith, A. J. Soja, C. Still, T. Swetnam, A. D. Syphard, M. W. Tingley, A. Tohidi, A. T. Trugman, M. Turetsky, J. M. Varner, Y. Wang, T. Whitman, S. Yelenik, and X. Zhang. 2022. Reimagine fire science for the anthropocene. PNAS Nexus.

Hauser, N., K. C. Conlon, A. Desai, and L. N. Kobziar. 2021. Climate Change and Infections on the Move in North America. Infection and Drug Resistance 14:5711–5723.

North, M. P., R. A. York, B. M. Collins, M. D. Hurteau, G. M. Jones, E. E. Knapp, L. Kobziar, H. McCann, M. Meyer, S. L. Stephens, R. E. Tompkins, and C. L. Tubbesing. 2021. Pyrosilviculture Needed for Landscape Resilience of Dry Western United States Forests. Journal of Forestry.

Prichard, S. J., P. F. Hessburg, R. K. Hagmann, N. A. Povak, S. Z. Dobrowski, M. D. Hurteau, V. R. Kane, R. E. Keane, L. N. Kobziar, C. A. Kolden, M. North, S. A. Parks, H. D. Safford, J. T. Stevens, L. L. Yocom, D. J. Churchill, R. W. Gray, D. W. Huffman, F. K. Lake, and P. Khatri-Chhetri. 2021. Adapting western North American forests to climate change and wildfires: ten common questions. Ecological Applications n/a:e02433.

*Moore, R., *Bomar, C., Kobziar, L. N., Christner, B. 2021. Wildland fire as an emission source of viable microbial aerosols and biological ice nucleating particles. Multidisciplinary Journal of Microbiology ISME. https://doi.org/10.1038/s41396-020-00788-8

Kobziar, L. N., G. R. Thompson. 2020. Wildfire smoke, a potential infectious agent. Science. 370, 1408–1410.

McLauchlan, K., et al. (Kobziar is #24 of 38). 2020. Fire as a fundamental ecological process: research advances and frontiers. Journal of Ecology. https://doi.org/10.1111/1365-2745.13403

Kreye, J. K., Varner, J. M., Kobziar, L. N. 2020. Long-duration soil heating resulting from forest floor duff smoldering in longleaf pine ecosystems. Forest Science. 66 (3): 291–303.

Cansler, C. Alina, et al. (Kobziar is #35). 2020. The Fire and Tree Mortality Database (FTM): a database for empirical modeling of tree mortality after fire. Scientific Data. 7 (194).

Hiers, J.K., O'Brien, J.J., Varner, J.M., Butler, B.W., Dickinson, M., Furman, J., Gallagher, M., Godwin, D., Goodrick, S.L., Hood, S.M., Hudak, A., Kobziar, L.N., Linn, R., Loudermilk, E.L., McCaffrey, S., Robertson, K., Rowell, E.M., Skowronski, N., Watts, A.C., Yedinak, K.M., 2020. Prescribed fire science: the case for a refined research agenda. Fire Ecology 16 (11).

Kobziar, L.N.; Pingree, M.R.A.; Watts, A.C.; Nelson, K.N.; Dreaden, T.J.; Ridout, M. 2019. Accessing the Life in Smoke: A New Application of Unmanned Aircraft Systems (UAS) to Sample Wildland Fire Bioaerosol Emissions and Their Environment. Fire, 2 (56).

Stephens, S. L., L. N. Kobziar, B. M. Collins, R. Davis, P. Z. Fulé, W. Gaines, J. Ganey, J. M. Guldin, P. F.

Hessburg, K. Hiers, S. Hoagland, J. J. Keane, R. E. Masters, A. E. McKellar, W. Montague, M. North, and T. A. Spies. 2019. Is fire "for the birds"? How two rare species influence fire management across the US. Frontiers in Ecology and the Environment 17:391–399.

*Freeman, J.E., Kobziar, L.N., Leone, E.H., Williges, K., 2019. Drivers of plant functional group richness and beta diversity in fire-dependent pine savannas. Diversity and Distributions 25(7), 1024-1044.

Pingree, M., Kobziar, L. N. 2019. The myth of the biological threshold: A review of biological responses to soil heating associated with wildland fire. Forest Ecology and Management. 432, 1022–1029.

Kobziar, L.N., Pingree, M.R.A., *Larson, H., Dreaden, T.J., *Green, S., Smith, J.A., 2018. Pyroaerobiology: the aerosolization and transport of viable microbial life by wildland fire. Ecosphere 9, e02507.

*Godwin, D. R., Kobziar, L. N., Robertson, K. 2017. Effects of Fire Frequency and Soil Temperature on Soil CO2 Efflux Rates in Old-Field Pine-Grassland Forests. Forests 8(8), 274; doi:10.3390/f8080274

*Freeman, J., Kobziar, L. N., *Rose, E. W., Cropper, W. 2017. An evaluation of the historical fire regime concept in conservation. Conservation Biology. 31(5), 976-985.

*Proctor, N., Kobziar, L. N., Monroe, M. 2017. The Use of a "Ringer" in Natural History Identification Tests. The American Biology Teacher, 79(1): 68-70.

Molina, D. M., *Cardil, A., Kobziar, L. N. 2016. Practitioner perceptions of wildland fire management across south Europe and Latin America. Forests 7(9), 184; doi: 10.3390/f7090184

Kreye, J. K., Varner, J. M., Kobziar, L. N. 2016. Mechanical mastication as a fuels treatment in southeastern forests. *Proceedings,* Biennial Southern Silvicultural Research Conference 18, 198-205.

Kobziar, L. N., Watts, A. C., Godwin, D., *Taylor, L. 2015. Perspectives on trends, effectiveness, and challenges to prescribed burning in the Southern US. Forests: 6(3), 561-580; doi: 10.3390/f6030561

*Kreye, J.K., Kobziar, L.N. 2015. The effect of mastication on surface fire behaviour, fuels consumption, and tree mortality in pine flatwoods of Florida, USA. International Journal of Wildland Fire 24, 573–579; http://dx.doi.org/10.1071/WF14186

*Thom, M., Daniels, J., Kobziar, L. N., Colburn, J. 2015. Can butterflies evade fire? Pupa location and heat tolerance in fire prone habitats of Florida. PLOS 1; DOI: 10.1371/journal.pone.0126755

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Kobziar, L. N. 2012. The legacy of 23 years of fuel treatments and prescribed burning in Florida flatwoods. Fifth International Association for Fire Ecology Congress. Portland, OR, Dec. 3-7. (Contributed)

*Godwin, D. R., Kobziar, L. N., Robertson, K. M. 2012 Forty years of fire suppression alters soil CO2 efflux rates at the Stoddard fire plots in north Florida. Fifth International Association for Fire Ecology Congress. Portland, OR, Dec. 3-7 (Contributed)

*Kreye, J. K., Kobziar, L. N. 2012. Ecological effects of mechanical fuel treatments and prescribed burning on vegetation, microclimate, and soils in pine flatwoods ecosystems of Florida, USA. Fifth International Association for Fire Ecology Congress. Portland, OR, Dec. 3-7(Contributed)

*Godwin, D. R., Kobziar, L. N . 2012. The Twitter social media platform: the Southern Fire Exchange experience in fire science communication. Fifth International Association for Fire Ecology Congress. Portland, OR, Dec. 3-7 (Poster)

*Watts, A. C., L. N. Kobziar, and T. A. Martin. 2012. Scale-Dependent Microclimate Effects of Wetland Wildfire. 9th INTECOL International Wetlands Conference, 3-8 June, Orlando, FL. (Invited)

*Watts, A. C. L. N. Kobziar, T. Z. Osborne, and J. R. Snyder. 2012. Smoldering Cypress Swamp Soils: Moisture Effects and Implications for Forest Structure. 9th INTECOL International Wetlands Conference, 3-8 June, Orlando, FL (Invited)

Kobziar, L. N. 2011. How the south is spared from the mega-fire reality- or is it? Presentation, Exploring the Mega-fire Reality: A Forest Ecology and Management conference, 14-17 November 2011, Tallahassee, FL **(Invited)**

*Watts, A. C., L. N. Kobziar, J. R. Snyder, and T. A. Martin. Feedbacks to structure and microclimate from large drought fires in wetland landscapes. Presentation, Exploring the Mega-fire Reality: A Forest Ecology and Management conference, 14-17 November 2011, Tallahassee, FL. (Contributed)

Kobziar, L. N., *Freeman, J. 2009. Tracking postfire successional trajectories in a plant community prone to high-intensity fire. Presented at the Fourth International Fire Ecology and Management Congress, November 30-December 3, Savannah, GA. (Contributed)

*Godwin, D. R., Kobziar, L. N., Robertson, K. 2009. Soil carbon respiration consequences of long term fire frequency regimes. Presented at the Fourth International Congress, November 30-December 3, Savannah, GA. (Contributed)

*Watts, A. C., Kobziar L. N., Snyder, J. R. 2009. Severity and post-fire mortality in cypress domes following the Deep Fire, Big Cypress National Preserve, Florida. Presented at the Fourth International Congress, November 30-December 3, Savannah, GA. (Contributed)

Kobziar, L. N., Thode, A. E., Dicus, C. J. 2008. Current capacity for educating future wildland fire professionals. Presented at The '88 Fires: Yellowstone and Beyond International Association for Wildland Fire Conference, September 22-25, Jackson, WY. (Contributed)

*Graham, M., Kobziar, L. N. 2008. Challenges to mapping wildland urban interface fuels treatments. Poster presented at the Third International Symposium on Fire Economics, Planning, and Policy. Carolina, Puerto Rico, April 29-31, 2008. (Contributed)

Kobziar, L. N. 2007. How to keep plantations from burning: The efficacy of fuels reduction treatments in a Sierra Nevada pine plantation. Presented at the Second International Fire Behavior and Fuels Conference, Destin, FL, March 26-30, 2007. (Contributed)

Kobziar, L. N. 2007. Tree mortality patterns following replicated prescribed fires in a mixed-conifer forest. Presented at the Third International Fire Ecology and Management Congress, San Diego, CA, November 14, 2006. **(Invited)**

Kobziar, L. N. 2006. Soil carbon respiration response to fuels treatments and prescribed burning in Sierra Nevada pine plantations. Presented at The Third International Fire Ecology and Management Congress, San Diego, CA, November 14, 2006. (Contributed)

*Godwin, D. R., Kobziar, L. N. 2008. Can ecosystem management goals be met through adaptive planning approaches to fire management? A north central Florida wilderness area prescribed burn turned wildfire. Presented at the Third International Symposium on Fire Economics, Planning, and Policy. Carolina, Puerto Rico, April 29-31, 2008. (Contributed)

B. National: Total = 16; 4 invited

Kobziar, L. N. February 2025. US Army presentation

Forrest, I., Tohidi, A., Farguell, F., Kobziar, L., Lampman, P., Rowell, E., Kochanski, A. Simulation of Microbial Transport and Deposition Using High Resolution Observations of a Prescribed Burn. December 7, 2024. American Geophysical Union Conference (**Poster**).

Thomas C. McHale, David R Boulware, Kelly Searle, Leda Kobziar, Phineas Lampman, Julio Zuniga-Moya. Ben Papadopoulos, Andrej Spec, Naomi E. Hauser, George R. Thompson III. Spatiotemporal Association of COVID-19 Cases and Mortality with exposure to wildfire particulate matter in 2020. IDWeek.

Kobziar, L. N. Samantha Fox, Kendra Walters, Phin Lampman, Ali Tohidi, Adam Kochanski, Antonio Cervantes, David Vuono, Rachel Moore, Brent Christner, Doris Betancourt, Timothy Dean, Brian Gullett, Johanna Aurell, Adam Watts, Andy Hudak, Ryan McCarley, Jim Cronan. Catching, Counting, and Considering the Microbial Life in Smoke. Virginia Tech CeZAP Distinguished Speaker Series, Oct. 27, 2022 **(Invited)**

Kobziar, L. N., Vuono, D., Moore, R., Christner, B., Watts A., Betancourt, D., Dean, T., Gullett, B., Aurell, J., Kochanski, A., Fox, S., Walters, K. 2021. High-intensity forest fires emit high concentrations of diverse, viable, and ice-nucleating bioaerosols. American Association for Aerosol Research 39th Conference: October 16-19th, 2021.

Kobziar, L. N. 2014. Tools of the Trade: Ecological Restoration in Southeastern Pine Systems. 2014. Society for Range Management 67th Technical Training and Trade Show, February 8-14, Orlando, FL. (**Invited**).

*Thom, M., Daniels, J., Kobziar, L. N., Colburn, J. 2014. Consequences for mortality by fire: The effect of pupation location of the frosted elfin, *Callophrys irus* Godart (Lepidoptera: Lycaenidae). 62nd Annual Meeting Entomological Society of America. November 16-19, 2014 in Portland, Oregon (Contributed).

York, A., Blocksome, C., Cheng, T., Creighton, J., Edwards, G. Frederick, S., Giardina. C., Goebel. C., Gucker,C., Kobziar, L. N., Lane, E., Leis, S., Long, A., Maier, C., Marschall, J., McGowan-Stinski, J., Mohr H., MontBlanc, E, Pellant, M., Pickett, E., Seesholtz, D., Skowronski, N., Stambaugh, M. C., Stephens S., Thode, A., Trainor S. F., Waldrop T., Wolfson, B., Wright, V., Zedler, P. 2014. Facilitating knowledge exchange about wildland fire science across the US. *Poster,* American Geophysical Union Fall Meeting, 15-19 December 2014, San Francisco, CA. (Contributed).

Varner, J. M., Platt, W. J., Long, A. L., Kobziar, L. N. 2013. The role of prescribed fire in restoration and management of southeastern pine savannas and woodlands. Society for Ecological Restoration. **(Invited).**

*Kreye, J.K., Kobziar, L.N, Zipperer, W. 2011. Mechanical Treatment as an Alternative to Prescribed Burning in Southeastern US Pine Flats. 91st National Convention of the Society of American Foresters: International Year of Forests: Linking Local, Regional, and Global Solutions. Nov 2-6, Honolulu, HI. (Contributed)

*Thomas, B., Kobziar, L. N., Hayes, C. 2011. Reconstruction of the fire history of Wassaw Natioanal Wildlife Refuge. Natural Areas Association Conference, Nov. 1-4, Tallahassee, FL (Poster).

Kobziar, L. N., *Kreye, J. 2009. Using western conifers to predict mortality in southern pines: Recommendations for fire behavior modeling systems. Presented at the Tall Timbers Fire Ecology Conference: The Future of Fire: Public Awareness, Health, and Safety. January 11-15, Tallahassee, FL. (Contributed)

*Watts, A.C., Kobziar, L.N., Percival, H.F. 2009. Unmanned aircraft systems for wildland fire monitoring and research. Presented at the Tall Timbers Fire Ecology Conference: The Future of Fire: Public Awareness, Health, and Safety. January 11-15, Tallahassee, FL. (Contributed)

*Godwin, D. R., Kobziar, L. N. 2009. An analysis of burn severity mapping method for use in sand pine scrub. Presented at the Tall Timbers Fire Ecology Conference: The Future of Fire: Public Awareness, Health, and Safety. January 11-15, Tallahassee, FL. (Contributed)

*Freeman, J., Kobziar, L. N.. 2009. Fire management planning in a crown fire ecosystem: Assessing the

effects of fire severity and stand structure on sand pine scrub plant communities. Presented at the Tall Timbers Fire Ecology Conference: The Future of Fire: Public Awareness, Health, and Safety. January 11-15, Tallahassee, FL. (Contributed)

*Graham, M., Kobziar, L. N., Escobedo, F. 2009. Wildfire mitigation treatments in the wildland-urban-interface: The surprising case of Florida. Presented at the Tall Timbers Fire Ecology Conference: The Future of Fire: Public Awareness, Health, and Safety. January 11-15, Tallahassee, FL. (Contributed)

Kobziar, L. N. 2007. Different species, different patterns: The predictors of first-order fire mortality in seven trees of the Sierra Nevada mixed-conifer forest. Presented at the Second Fire Behavior and Fuels Conference, Destin, FL, March 26-30, 2007. **(Invited)**

Kobziar, L. N. 2007. How to keep plantations from burning: The efficacy of fuels reduction treatments in a Sierra Nevada pine plantation. Presented at the Second Fire Behavior and Fuels Conference, Destin, FL, March 26-30, 2007. (Contributed)

C. Regional: Total = 15; 9 invited

Kobziar, L. N. April 11, 2019. The Life of Smoke. USDA Forest Service Rocky Mountain Research Station Seminar Series, Missoula Fire Lab, Montana. **(Invited)**

Kobziar, L. N. May 4, 2017. Fire Ecology 2.0. USDA Forest Service Rocky Mountain Research Station Seminar Series, Missoula Fire Lab, Montana. **(Invited)**

Kobziar, L. N. April 26, 2016. Establishing Long-Term Fire Plots at the OSBS: Linking Fire, Vegetation, and Soils. Ordway Swisher Biological Station, Melrose, Florida. (Contributed).

Kobziar, L. N., Rothberg, S. 2015. Perspectives and trends in prescribed burning in the southeastern US. Putting Fire to Work for Working Forests & Landscapes: Best Practices for Communication & Delivery of Prescribed Fire Messaging, Tall Timbers Research Station, July 28-29, 2015. (**Invited-Keynote).**

Kreye, J.K., Varner, J.M., Kobziar, L.N. 2015. Overstory and understory response to mastication fuels treatments: a review". 18th Biennial Southern Silvicultural Research Conference. Knoxville, TN Mar 3-5, 2015. (Contributed).

*Kreye, J.K., Kobziar, L.N. 2013. Mastication of palm-shrub understories in pine flatwoods ecosystems: subsequent fire behavior and effects. USDA Forest Service Collaborative Forest Landscape Restoration Program Meeting. Mar 5-6, Gainesville, FL **(Invited).**

Kobziar, L. N., Kreye, J. K. 2011. Consequences of Using New Mechanical Methods to Reduce Forest Fuel Loads Oral Presentation. Annual Meeting of the Southeastern Society of American Foresters. Feb 20-22, Tallahassee, FL **(Invited).**

*Kreye, J.K., Kobziar, L.N., Zipperer, W. Effects of Mastication on Fire Behavior and Fire Effects in Litter-Dominated Fuelbeds. Association for Fire Ecology Interior West Fire Ecology Conference: Challenges & Opportunities in a Changing World. Nov 14-17, Snowbird, UT. (Contributed).

*Godwin, D. R., Kobziar, L. N. 2011. Soil Carbon Efflux Response to Prolonged Prescribed Fire Management in the Red Hills. Association for Fire Ecology Interior West Fire Ecology Conference. Nov. 14-17, Snowbird, UT (Poster).

Kobziar, L. N. 2010. Fire ecology and management: from the west to the south. University of California at Berkeley Seminar Series, March 8, Berkeley, CA. **(Invited)**

Kobziar, L. N. 2010. Using fire history to guide fire management. Presented at the Interagency Southern Fire Academy, June 7-8, Jacksonville, FL. **(Invited)**

Kobziar, L. N., Long, A., Oxarat, A., Steelman, T., Roise, J., Hermensen-Baez, A. The Southern Fire Exchange. 2010. *Poster* presented at the Prescribed Fire Training Workshop, December 5-8, 2010, Destin, FL. (Contributed)

Kobziar, L. N. 2009. Keynote Address: Three years in academia and counting. Southeastern Ecology and Evolution Conference. March 27-29, 2009, Gainesville, FL. **(Invited)**

Kobziar, L. N., Varner, M. J. 2008. Challenges to educating the next generation of fire professionals. Presented at the Pacific Coast Regional Fire Conference. California Association for Fire Ecology. December 3-5, 2008, San Diego, CA. (Contributed)

Kobziar, L. N. 2006. Management implications of fire hazard reduction prescriptions in pine plantations. Presented at the Forest Leadership Team Meeting, Sonora, CA, September 21, 2006. **(Invited)**

D. State: 10; 8 invited

Kobziar, L. N. 2022. Climate change and impacts on Idaho's economy: Wildland fire smoke transport of

microbial organisms and impacts on human health. Boise City Forum, Dec. 9th 2022. **(Invited).**

Kobziar, L. N. 2018. Past, present, and future fires. Oral presentation at the Idaho Forestry Products Commission Opinion Leaders Tour, Coeur d'Alene, ID. September, 2018. **(Invited)**

Kobziar, L. N. 2012. Research from the Southern Fire Exchange- fire use survey. North Florida Prescribed Fire Council meeting, Tallahassee, FL. **(Invited)**

Kobziar, L. N. 2012. Southern Fire Exchange resources and updates. North Florida Prescribed Fire Council meeting, Tallahassee, FL. **(Invited)**

Kobziar, L. N. 2011. The Southern Fire Exchange and on-line resources. North Florida Prescribed Fire Council meeting, Lake City Community College, April 6, Lake City, FL. **(Invited)**

Kobziar, L. N., Long, A. 2010. Putting fire science on the ground- the Southern Fire Exchange. Presented at North Florida Prescribed Fire Council meeting, Jackson County Extension Office April 15, Marianna, FL. (Contributed)

Kobziar, L. N., Long, A. 2009. The Southern Fire Exchange- Your Thoughts? Presented at the Central Florida Prescribed Fire Council meeting, Brevard Agricultural Center, October 15, Cocoa, FL. (Contributed)

E. Local: 14; 10 invited

Kobziar, L. N. 2024. Pyroaerobiology. Bringham-Young University, Idaho Falls, ID. March 7, 2024. **(Invited)**

Kobziar, L. N. 2023. Wildland fire smoke emissions of microbial life and why it matters. University of Alabama Biological Sciences Departmental Seminar. April 28, 2023. **(Invited).**

Kobziar, L. N. 2023. Living microbes in wildland fire smoke. Kansas State University Division of Biology Seminar. April 3, 2023. **(Invited)**

Kobziar, L. N. 2023. Smoke microbes: who, what, where, and why it matters. UC Davis Institute of the Environment Seminar. March 1, 2023. **(Invited)**

Kobziar, L. N. 2020. Fire as an ecosystem process: from soils to smoke. 4C Working Group. University of Idaho, Coeur d'Alene. Oct. 2, 2020. **(Invited)**

Kobziar, L. N. 2018. Pyroaerobiology: the role of wildfire smoke in the aerosolization and transport of living Microbes. Oral Presentation: FRFS Departmental Seminar, University of Idaho, Moscow ID. **(Invited)**

Kobziar, L. N. 2018. Living microbes in smoke and their multifarious implications. Oral Presentation: Graduate Seminar, Washington State University, Pullman, WA. **(Invited)**

Kobziar, L. N. 2016. Shaking hands with Vulcan: Restoring fire to fire-prone ecosystems. Oral Presentation, University of Idaho College of Natural Resources Seminar. April 20, 2016. **(Invited)**

Kobziar, L. N. 2011. Pitch, yaw, and roll: How to manage fire to arrive at a final destination. School of Natural Resources and Environment Seminar. Oct. 4, University of Florida, Gainesville FL. **(Invited)**

*Godwin D.R., Kobziar L.N. 2011. Effect of Prescribed Fire and Mechanical Fuel Treatments on Soil Carbon Respiration in Pine Flatwoods. University of Florida School of Forest Resources and Conservation Symposium, Nov. 8, Gainesville, FL (Poster).

*Watts, A. C., J. R. Snyder, and L. N. Kobziar. Delayed cypress mortality following the Deep Fire. Big Cypress Research Symposium, 10 November 2010, Ochopee, FL**. (Invited).**

*Kreye, J.K., Kobziar, L.N., Zipperer, W. 2011. Above and Belowground Heating from the Burning of Masticated Palmetto-Gallberry Fuelbeds. University of Florida Graduate Student Council Interdisciplinary Research Conference. Feb 2-3, Gainesville, FL (Poster).

*Kreye, J.K., Kobziar, L.N. 2010. Mechanical Mastication as a Fuels Treatment Method in Pine Flatwoods. 40th Annual Society of American Foresters/University of Florida School of Forest Resources and Conservation Spring Symposium: Sustaining Forests, Fisheries, and Aquatic Resources in a Changing World. Jun 2-3, Gainesville, FL (Poster)

*Kreye, J. K., Kobziar, L. N. 2010. Mechanical mastication as a fuels treatment method in pine flatwoods. University of Florida School of Forest Resources and Conservation Symposium, Nov. 8, Gainesville, FL (Poster).

F. Other: 12

1. Moderator: Total = 8

Kobziar, L. N. 2014. Tools of the Trade: Ecological Restoration in Southeastern Pine Systems. 2014. Society for Range Management 67th Technical Training and Trade Show February 8-14, Orlando, FL. (**Invited**).

Kobziar, L. N. 2014. Wildland Fire Behavior Prediction and Management- FBAN Perspectives. Wildland

Fires: Social, political, and ecological effects, 19-23 May 2014, Missoula, MT.

Kobziar, L. N. 2012. Observing Fire. Fifth International Association for Fire Ecology Fire Ecology Congress. Portland, OR, Dec. 3-7.

Kobziar, L. N. 2012. FireTrek: the next generation of fire professionals. Fifth International Association for Fire Ecology Fire Ecology Congress. Portland, OR, Dec. 3-7.

Kobziar, L. N. 2011. Defining the megafire. Exploring the Mega-fire Reality: A Forest Ecology and Management conference, 14-17 November, Tallahassee, FL.

Kobziar, L. N. 2009. Fuels reduction and management. Fourth International Fire Ecology and Management Congress, 30 November-3 December, Savannah, GA.

Kobziar, L. N. 2008. Fire and fuels management. 15th Biennial Southern Silviculture Research Conference. November 17-20, Hot Springs, AR.

Kobziar, L. N. 2009. Fire and fuels session. Tall Timbers Fire Ecology Conference: The Future of Fire: Public Awareness, Health, and Safety. January 11-15, Tallahassee, FL.

2. Panel Discussion Member: Total = 5

Kobziar, L. N. 2022. Climate change and impacts on Idaho's economy. Boise City Forum, Dec. 9th 2022. **(Invited).**

Kobziar, L. N. 2014. Tools of the Trade: Ecological Restoration in Southeastern Pine Systems. 2014. Society for Range Management 67th Technical Training and Trade Show. February 8-14, Orlando, FL. (**Invited**).

Kobziar, L. N., 2008. Fire Summit: The Future of Prescribed Burning in Florida. Tall Timbers Research Station, January 16-18, Tallahassee, FL. **(Invited)**

Kobziar, L. N., 2008. Challenges to educating the next generation of fire professionals. Pacific Coast Regional Fire Conference. California Association for Fire Ecology. December 3-5, 2008, San Diego, CA.

Kobziar, L. N., 2008. Current capacity for educating future wildland fire professionals. The '88 Fires: Yellowstone and Beyond; International Association for Wildland Fire Conference, Sept. 22-25, Jackson, WY.

Patents: -

Grants and Contracts Awarded:

University of Idaho:

2024-2026	**Kobziar, PI-** Smoke management and prescribed fire awareness and practices of non-industrial private forest landowners and fire contractors in Idaho. Idaho Department of Environmental Quality. $59,456. Collaborators: H. Heward, L. Holyoke.
2023-2025	**Kobziar, PI**- The contribution of biological aerosols to wildland fire smoke production. USDA Forest Service PNW Research Station: $143,024. Collaborators: A. Watts, USFS.
2023-2025	**Kobziar, PI-** Making it out alive: The story of wildland fire microbial emission factors. Joint Fire Science Program- GRIN: $25,000. P. Lampman, *Student Researcher*.
2021-2025	Mehrad, B. PI, **Kobziar, Co-I**. Pyroaeromycoses: fundamental discovery and modeling an unexplored phenomenon. Keck Foundation: $1.2M, (UI portion $318,317). Co-I's: J. Smith, S. Van Den Eeden, K. Garett.
2021-2025	**Kobziar, PI-** Biomass burning as a driver of multi-scale teleconnections. NSF Population and Community Ecology/ Atmospheric Science/ Ecosystem Science: $982,340 (UI portion: $443,170). Co-I's: D. Vuono, B. Christner, A. Kochanski, E. Rowell.
2020-2025	Strand E.K., A.M.S Smith, **L. Kobziar, Co-I**, Developing Professionals and Collaboration in Fire Science, University of Idaho, USDA Forest Service: $900,000
2022-2023	Strand E.K., **L. Kobziar Co-I,** A. Hulet. Great Basin Fire Science Exchange - Online Course Development, Subaward Joint Fire Science Program via University of Nevada Reno, #UNR-212-52, 9/15/2022-9/30/2023. $10,583
2020-2022	**Kobziar, PI*,** Cohn, T., Co-PI**.** Communicating Fire: Integrative Informal STEM Learning through Participatory Narratives. NSF AISL: $300,000. Co-I's J. Ladino, E. James.
2020-2021	**Kobzar, PI**- An EPA pilot study on the wildfire smoke transport of microbes. EPA: $50,000.
2019-2023	**Kobziar, PI**- The contribution of biological aerosols to wildland fire smoke production. USDA Fire and Smoke Model Evaluation Experiment. USDA Forest Service: $15,000. Collaborators: A. Watts, D. Vuono, R. Moore, B. Christner**.**

2020-2022 Strand, E. K., PI, **Kobziar, Co-I,** Hulet, A**.** Online Course Development, Subaward Joint Fire Science Program via University of Nevada Reno, #UNR-212-52: $20,769

2016-2018 **Kobziar, PI**- The consequences of soil heating on tree mortality, seed banks, and soil carbon respiration. Joint Fire Science Program: $402,000. Co-I's: J. M. Varner, J. Kreye, M. Andreu, and D. Godwin, Collaborator.

2016-2019 **Kobziar, PI**- Fire effects on soil heating and transport of microorganisms. McIntire-Stennis: $120,000. Collaborator: M. Pingree, Post-doctoral Research Fellow, University of Idaho.

**T. Cohn was the original PI for the project. After she left the UI, I took over responsibilities as the PI.*

University of Florida

2015-2016 **Kobziar,** PI- Southern Fire Exchange Knowledge Exchange Consortium (Joint Fire Science Program: $812,500). Co-I's: A. Long, UFL; J. Roise, NCSU; K. Robertson, Tall Timbers Research Station. *Transferred to alternate PI in 2016 upon leaving the region.*

2014-2016 **Kobziar,** PI- Food, Fuel, and Fire: Effects of Fuel Treatments on Wildlife Habitat Quality in Longleaf Pine (Joint Fire Science Program: $24,500): Student PI: J. Freeman, UFL; Co-I: K. Willeges, FL Fish and Wildlife Conservation Commission.

2013-2015 **Kobziar,** PI- Southern Fire Exchange Knowledge Exchange Consortium (Joint Fire Science Program: $471,960). Co-I's: A. Long, UFL; J. Roise, NCSU; K. Robertson, Tall Timbers Research Station.

2012-2013 **Kobziar,** PI- Establishing ecological observatory networks in southeastern barrier island forests. (USFWS: $21,500).

2012-2013 **Kobziar,** PI- Interactions of microclimate and fire effects in wetland forest patches. (National Park Service: $19,500). Student PI: A. Watts, Desert Research Institute; Co-I : J. Snyder, NPS.

2011-2013 **Kobziar,** PI- Delayed mortality and fire-climate interactions in cypress swamps, Big Cypress National Preserve (USDI National Park Service: $25,415). Co-I's: A. Watts, Desert Research Institute (DRI); J. Synder, NPS.

2011-2013 **Kobziar,** PI- The Southern Fire Exchange: Putting Fire Science on the Ground (Joint Fire Science Program: $450,000; 2011-2013). Co-I's: A. Long, UFL; J. Roise, NCSU; K. Robertson, Tall Timbers Research Station.

2011-2013 **Kobziar,** PI- Red-Cockaded Woodpecker Cavity Tree Monitoring: Immediate and Delayed Mortality Due to Fire (USDI National Park Service: $78,000). Co-I's: A. Watts, UFL; J. Synder, NPS.

2011-2013 **Kobziar,** PI- Will climate change alter wildfire behavior and effects in seasonally dry wetlands? (Joint Fire Science Program: $22,277). Student PI: A. Watts, UFL.

2011-2013 **Kobziar,** PI- The Influence of Prescribed Fire and Understory Fuels Mastication on Soil Carbon Respiration Rates (Joint Fire Science Program: $14,000). Student PI: D. Godwin, UFL.

2011-2012 **Kobziar,** PI- Flatwoods species responses to restoration treatment and season: Long-term success of fire and roller-chopping in fire-suppressed areas. (Florida Conserved Forest Ecosystems Outreach and Research Cooperative (CFEOR): $19,974). Co-I: E. Carvalho, UFL.

2010-2013 **Kobziar,** PI- Characterization of Masticated Fuelbeds and Fuel Treatment Effectiveness in Southeastern Us Pine Ecosystems (Joint Fire Science Program: $146,456). Co-I's: A. Long, UFL; W. Zipperer, USFS.

2010-2011 **Kobziar,** PI- Monitoring the effectiveness of mastication as a fuels reduction treatment (USDA American Recovery and Restoration Act fund: $50,000). Co-I's: W. Zipperer, I. Greene, (USFS).

2010-2011 **Kobziar,** PI- Delayed mortality among pond cypress: do hydrology and edaphic factors explain response? (National Park Service: $24,169). Co-I: A. Watts, DRI.

2009-2011 Kobziar, Co-PI- Putting Fire Science on the Ground - Increasing the Southern Exposure (JFSP: $111,250). **PI: A. Long**, UFL. Co-I's: J. Roise, NCSU; K. Robertson, Tall Timbers Research Station; T. Steelman, U. Saskatchewan.

2009-2013 Kobziar, Co-PI- National Needs Fellowship for Graduate Research in Adaptive Management (USDA: $360,000). PI: C. Staudhammer, (UFL). Co-I's: T. Stein, D. Adams, K. Bohn (UFL).

2009-2012 **Kobziar,** PI- Evaluating wildland-urban-interface fuels reduction treatment lifecycles and impacts on carbon sequestration ($43,000, USFS). Co-I: W. Zipperer (USFS).

2009-2010 **Kobziar,** PI- Fuel Buffers in the Wildland Urban Interface (USDA Forest Service, Southern Research Station: $20,000). Co-I: W. Zipperer (USFS).

2008-2009 **Kobziar,** PI -Dendrochronology in the Southeastern US for Validation of Historical Structures applications (Ximenez-Fatio Museum, FL : $10,700). Co-I : H. Grissino-Mayer, Univ. Tennessee.

2007-2010 **Kobziar,** PI -Developing a Web-based MS Program in Ecological Restoration (USDA Challenge Grant: $442,000). Co-I's: S. Jose (Univ. Missouri), O. Onokpise (FL A&M Univ.), L. Dimov (AL A&M Univ.), M. Bannister, D. Miller, C. Reinhart Adams, M. Cohen, M. Brown (UFL).

2007-2009 **Kobziar,** PI -Calibration of the Fine Fuel Moisture Meter for US Vegetation (Wiltronics Inc., AU: $14,000). Co-I: A. Long, (UFL)

2007-2008 **Kobziar,** PI -Assessing Fuels Treatments in Florida's Wildland Urban Interface (UFL School of Natural Resources and Environment: $18,000). Co-I's: Alan Long (UFL), W. Zipperer (USFS).

2006-2008 **Kobziar,** PI -Fire in the Juniper Prairie Wilderness: Is it a Viable Tool for Ecosystem Management? (IFAS: $92,000). Co-I's: F. E. Putz, A. Long, K. Sieving, M. Sunquist (UFL).

Honors and Awards:

- University of Idaho Mid-Career Faculty Award 2022
- Top 10% Most Downloaded Paper 2018-2019, Ecosphere: Wiley Publishing (*Pyroaerobiology*)
- Erasmus Mundus International Forestry Scholar's Fellowship, BOKU University, Austria, Fall, 2013.
- Erasmus Mundus International Forestry Scholar's Fellowship, Universitat de Lleida, Spain, Fall, 2013.
- Outstanding Faculty Member, School of Forest Resources and Conservation, University of Florida, 2012.
- Open Access Publishing Award, University of Florida, 2012.

SERVICE:

Committee Assignments

University

- Member, University of Phoenix Working Group (2024- present)
- Member, University Graduate Council (2022-2023)
- Member, University Committee on Scientific Misconduct (2022-present)
- UI Strategic Enrollment plan: Aligning programs with capacity workgroup (Fall 2021)
- UI Strategic Enrollment visioning group: Graduate programs (Summer 2021)
- UI Online Education Working Group (Summer-Fall 2020)
- Search Committee, Dean of College of Natural Resources (Winter 2019-2020)
- Program Prioritization Evaluator/ Representative for NRS Dept. to the University, Summer 2017
- Panel Reviewer, College of Graduate Studies Student Fellowship program

College of Natural Resources

- CNR Graduate Council (2018-present)
- Interim Director of Graduate Studies (2022-2023)
- UI Experimental Forest Advisory Committee (2023-present)
- Promotion and Tenure Committee: FRFS (Fall 2022)
- Search Committee: Department of Fisheries and Wildlife Science Chair (Spring 2022)
- Search Committee: FRFS Assistant/Associate Professor of Fire Ecology (Spring 2022, Spring 2023)
- CNR All-Leadership Team (Fall 2018-2023)
- Search Committee, Assistant Director of Graduate Student Support (Spring 2021)
- Search Committee, Graduate Programs Coordinator, (Summer 2021)
- Co-Lead, CNR Fire Center Visioning Group (2019-2020)
- Chair, Core Faculty Committee, MNR, University of Idaho (2015-present)
- CNR Graduate Council Member, 2017-present

- Environmental Science Visioning Committee, Spring 2019
- Search Committee, Graduate Programs Coordinator, Summer 2019
- Three-year Review Committee, Tracey Johnson (2018)
- Chair, Task Force on Online Graduate Education Programs, CNR, Fall, 2016
- Affiliate Faculty, Environmental Science
- Member, IFIRE (Integrated Fire Institute for Research and Education)

Departmental

- Chair, Promotion and Tenure Committee, FRFS (2024)
- Member, three-year Review Committee, NRS (2023)
- Mentoring Committee, NRS (NRS 2022-present)
- Member, three-year Review Committee, NRS (2022)
- Member, Departmental Tenure and Promotion Committee (2021, 2022)
- Member, Search and Screen Committee, ENVS-INL Assistant/Associate Faculty in Energy and the Environment (2021, 2022)
- Chair, three-year Review Committee, NRS (2020)
- Member, Graduate Curriculum Workgroup (2020)
- Mentoring Committee, NRS (2018-2019)
- Member, Search and Screen Committee, Research Assistant Professor NRS (Fall 2017)
- Member, Search and Screen Committee, Administrative Assistant NRS (Fall 2017)
- Member, Search and Screen Committee: Human Dimensions in Natural Resources (Spring 2017)
- Member, Graduate Degree Program (2016-present)
- Member, Capacity Committee, Natural Resources and Society (2015-present)

Professional and Scholarly Organizations

Offices Held and Committee/ Review Participation

- Reviewer, NSF, GEO (2025)
- Reviewer, NSF, Major Research Instrumentation (MRI) Program (2025)
- Reviewer, NSF, DEB (2025)
- Reviewer, NSF, GEO (2024)
- Reviewer, NSF, GEO/EAR (2024)
- Review Panel, University of California (2023)
- Review Panel, U.S.-Israel Binational Science Foundation (2023)
- Review Panel, Science Campus Program: Leibniz Institute for Tropospheric Research, Germany (2022)
- Colorado State University Tenure Review- External Referee (2022)
- National Science Foundation: Wildfire in the Biosphere Workshop (Spring 2021)
- National Science Foundation (NSF) Review Panels (2019, 2020, 2021)
- University of California Grant Program Review Panel (Fall, 2019)
- Clemson University Tenure Review- External Referee (2020)
- Co-Chair, Joint Fire Science Program- Graduate Research Innovation Grant Review Panel (2020, 2019, 2015, 2014)
- University of Vienna REWIRE (Reinforcing Women in Research) Review Panel (2019)
- Co-Lead, Association for Fire Ecology Education Committee (various)
- Lead, Joint Fire Science Program InSPIRES program proposal development (2019)
- Program Committee: Eighth International AFE Fire Congress (2019)
- Program Review Panel Member, North Idaho College Biology Program, (Spring, 2019)
- Co-Production in Fire Science Workshop, Invited Participant, Salt Lake City, UT (May 2019)
- President, Association for Fire Ecology (Nov. 2015-Jan. 1, 2018)
- Board of Directors, Association for Fire Ecology (2008-2018)
- Member, Journal Committee, Association for Fire Ecology (2017-present)
- Future of Fire Science NSF Workshop, Invited Participant, Boulder, CO (Nov. 2017)

- Joint Fire Science Program Evaluation Review Panel (January 2017)
- Review Panel: Austrian Academy of Science: Doctoral Fellowship Program (Nov. 2017)
- Wildland Fire Education Cooperative, Northern AZ Univ., educational materials reviewer (2017)
- Technical Advisory Committee: DoD SERDP- DCERP, Camp Lejeune, NC (2013-2015)
- Fire Ecology Program Review, Tall Timbers Research Station, FL (2015)
- Federal Quadrennial Fire Review, USDI/USDA, Washington DC (2014)
- Program Committee: Seventh International AFE Fire Congress (2016-2017)
- Steering Committee: Sixth and Fifth International AFE Fire Congress (2012; 2015)
- Steering Committee: North Florida Prescribed Fire Council (2009-2015)
- Science Committee: International Megafires Conference, Elsevier Publishing (2009)
- Invited Participant: Fire Summit II: The Future of Prescribed Fire in Florida and Georgia, Tall Timbers Research Station (2012)
- Invited Participant: Research Program Review- Restoring and Managing Longleaf Pine Ecosystems. USDA Forest Service Southern Research Station (2012)

Editorial Service

- Associate Editor, *Fire Ecology* (2011-present; 5-6 articles/year)
- Associate Editor, Subject Area Editor (fire): *Forest Science* (Jan. 2019- 2023)
- Associate Editor, *Forests* (2019-present; 3-5 articles/year)
- Co-Editor, Special Issue *Fire Ecology* "Frontiers in Fire Ecology" (10 articles)
- Co-Editor, Special Issue *Fire Ecology* "Long-term effects of fire on vegetation" (7 articles)

Reviewer, Journals: Ecology, Global Change Biology, Atmosphere, Atmospheric Environment, Remote Sensing, AGU Atmosphere, Environmental Science and Technology, Agricultural and Forest Meteorology, Applied Soil Ecology, Canadian Journal of Forest Research, Conservation Letters, Ecological Applications, Ecological Engineering, Ecosystems, Fire Ecology, Forests, Forest Ecology and Management, Mycologia, International Journal of Forestry Research, International Journal of Wildland Fire, Ecosphere, Journal of Biogeography, Journal of Forestry, Plant and Soil, Plos 1, Southern Journal of Applied Forestry, Surveying and Land Information Science.

Editorial Review, Books:
Peterson, McCaffrey, Patel-Weynand. 2022. Wildfire Smoke in the United States: A Scientific Assessment. Springer.
Pyne, S. 2016. Florida- A Fire Survey. University of AZ Press.
Scott, Bowman, Bond. 2014. Fire on Earth. Wiley Blackwell.

Reviewer, Programs: NSF (various), Joint Fire Science Program, Tahoe Science Consortium, Mississippi-Alabama Sea Grant Consortium

Memberships
Association for Fire Ecology (AFE) (2000-present)
North Florida Prescribed Fire Council (2006-present)
Association for Women in Science (2006-2008)
Society of American Foresters (SAF) (2006-2014)
Xi Sigma Phi, the Forestry Honor Society (1999-present)

Outreach Service:

Testimony

Statement of Dr. Leda Kobziar, President, Association for Fire Ecology, Submitted for the Full House Committee on Oversight and Government Reform, Hearing on Examining Sexual Harassment and Gender Discrimination at the US Department Of Agriculture, December 1, 2016, 9:00 AM.
https://www.govinfo.gov/content/pkg/CHRG-114hhrg26179/html/CHRG-114hhrg26179.htm

Popular Press and Other Media

Webster, Molly. "Up in Smoke". NY Public Radio: **Radiolab**. August, 2024. https://radiolab.org/podcast/9d5209706f0cb91a4248748a**.** Interview.

Zhao, Celina C. Possible ban on Chinese-made drones dismays U.S. scientists. **Science.** https://www.science.org/content/article/possible-ban-chinese-made-drones-dismays-u-s-scientists. December 14, 2024. Interview.

Ula Chobrak. June 7, 2023. How Wildfire Smoke Affects Your Body and Mind. **Outside Magazine.** https://www.outsideonline.com/health/wellness/wildfire-smoke-health-effects/

McKenna, Maryn. 10/2022. Wildfire Smoke May Carry Deadly Fungi Long Distances. **Wired Magazine.** https://www.wired.com/story/wildfire-smoke-may-carry-deadly-fungi-long-distances/

Ralph Bartholdt. 10/2022. New Science Explores Microbes in Wildfire Smoke and the Ecological Impact of Dispersal. **University of Idaho Feature Stories**. https://www.uidaho.edu/cnr/about/feature-stories/leda-kobziar?utm_source=University+of+Idaho&utm_campaign=d699a27420-tdr-2022-09-16&utm_medium=email&utm_term=0_4153a2eec5-d699a27420-87150637

Celina Zhao. 11/8/2022. "Microorganisms in Smoke". **PBS NOVA.** Video interview.

Hannah Gardoski. 11/2/2022. Boise State **NPR**, "Idaho Matters" Radio interview. https://www.boisestatepublicradio.org/show/idaho-matters/2022-11-02/new-research-finds-living-microbes-in-wildfire-smoke

Heather Waldman. 9/20/2022. **KCRA News Sacramento, CA**. "Microbes in wildfire smoke". 9/20/2022. TV interview.

Wildfire Experts Provide Guidance for New Research Directions: Major study highlights five critical challenges. August 18, 2022. **UCAR/NCAR News.** https://news.ucar.edu/132859/wildfire-experts-provide-guidance-new-research-directions

August 2022. InBRE intern Hannah Griffin featured in **NIC/ INBRE video:** https://www.facebook.com/northidahocollege/videos/nic-summer-of-science-pyroaerobiology-studying-the-survival-rates-of-microbes-in/393526766033157/

Jesse Nichols. 1/15/2022. "It's alive: The groundbreaking research on the microbes in wildfire smoke" **Grist.**. https://grist.org/grist-video/its-alive-the-groundbreaking-research-on-the-microbes-in-wildfire-smoke/

Benjamin Plackett. 12/6/2021. **Chemical and Engineering News.** "Is there a link between wildfires and infectious disease?" https://cen.acs.org/environment/link-between-wildfires-infectious-diseases/99/i45

Megan Sever: 9/2/2021. **Science News for Students.** "Wildfire smoke seeds the air with potentially dangerous microbes" https://www.sciencenewsforstudents.org/article/wildfire-smoke-seeds-the-air-with-potentially-dangerous-microbes

Samantha Wohlfeil: 6/24/2021. **Inlander.** "What if a brand new field of science could explain how wildfire smoke carries microbes?" https://www.inlander.com/spokane/what-if-a-brand-new-field-of-science-could-explain-how-wildfire-smoke-carries-microbes/Content?oid=21895316

Scott Jackson. 6/30/2021. **Moscow-Pullman Daily News.** "The 'heat dome': what it is and what could happen if we continue to see more" https://dnews.com/local/the-heat-dome-what-it-is-and-what-could-happen-if-we-continue-to-see/article_a85f48aa-c8b1-5012-a637-48d7c5850512.html

Leslie Young. 6/5/2021. **Global News.** "The particles, gases and organisms in wildfire smoke — and what they mean for your health" https://globalnews.ca/news/7919844/wildfire-smoke-health-effects/

Leigh Cooper: **Vandal Theory Podcast** 5/11/2021. "The Vandal Theory: Episode 8: Microbes in Smoke" podcast. Uidaho.edu/vandaltheory

Megan Sever. **Science News** 4/13/2021 Wildfires launch microbes into the air: How big of a health risk is that? www.sciencenews.org/article/wildfire-smoke-microbes-air-health-risk-bacteria-fungi

Joseph Serna, **Los Angeles Time**s 2/1/2021. https://www.latimes.com/california/story/2021-02-01/wildfire-smoke-microbes-in-the-air

Meagan Cantwell, **Science Podcasts**, AAAS. 1/1/2021. https://www.sciencemag.org/podcast/areas-watch-2021-and-living-microbes-wildfire-smoke

Jordan Rane, **Columbia Insights**, February 2021. https://columbiainsight.org/smoke-is-alive/

Shayla Love, **Vice News,** January 2021. https://www.vice.com/en/article/jgqazy/wildfire-smoke-is-alive

Eamon Dreisbach. 12/29/2020. **Healio.com** "Q&A: Wildfire smoke may carry bacteria, fungi" https://www.healio.com/news/infectious-disease/20201229/qa-wildfire-smoke-may-carry-bacteria-fungi

Dangers of wildfire smoke spreading infections (Global) - **BBC News TV** - Dec. 18, 2020 https://www.youtube.com/watch?v=dbm9J5-egSc

Matt McGrath, **BBC News** (online): 18 December 2020. Wildfire Smoke May Spread Infectious Disease. https://www.bbc.co.uk/news/science-environment-55350185

Matt Simon, **WIRED Magazine**. "Wildfire smoke is loaded with microbes: is that dangerous?" 17th December 2020**.** https://www.ncbi.nlm.nih.gov/search/research-news/12267/

Mother Jones: https://www.motherjones.com/politics/2020/12/wildfire-smoke-is-loaded-with-microbes-is-that-dangerous/

Joanne Lu, **NPR Podcast Goats and Soda**: https://www.npr.org/sections/goatsandsoda/2020/12/23/948157452/we-all-know-smoke-is-bad-for-your-health-it-could-be-worse-than-you-think

David Grossman, **Inverse:** 18th December 2020. https://www.inverse.com/science/how-bad-is-smoke-really

Travis Bubenik, **Courthouse News**, December 2020**:** https://www.courthousenews.com/researchers-say-infectious-microbes-could-be-lurking-in-wildfire-smoke/

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- Newswise: https://www.newswise.com/articles/view/715320/?sc=rsla
- Environmental News Network: https://www.enn.com/articles/58647-is-wildfire-management-for-the-birds
- Phys Org: https://phys.org/news/2019-07-wildfire-birds.html
- EurekAlert: https://www.eurekalert.org/pub_releases/2019-07/uoc--iwm070219.php

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Morris, C. 2019. "Building competence and tools for tracing the trajectories of long distance dissemination of microorganisms via the atmosphere – from source to sink". *Blog post with Kobziar research highlights.*

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https://www.uiargonaut.com/2018/11/28/through-the-fire-and-the-flames/

Patterson, B. 2017. "Government Scientist Blocked from Talking About Climate and Wildfires" **Scientific American**, Oct. 31, 2017. *Newspaper article with Kobziar interview.*

Chaney, R. 2017. "Forest Service fire experts blocked from attending major fire conference" **The Missoulian**, Nov. 1, 2017. *Newspaper article with Kobziar interview.*

Chaney, R. 2017. "USDA official: Fire science conference limits based on budget, not topic" **The Missoulian**, Nov. 11, 2017. *Newspaper article with Kobziar interview.*

Stewart, M. 2016. "Fighting Flames with Brains- University of Idaho Offers Masters in Natural Resources" **Coeur d'Alene Press.** June 20, 2018. *Newspaper article with Kobziar interview.*

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Kreye, M., Kobziar, L. N., Godwin D. R. 2009. Fire in the Juniper Wilderness! Again? Conserved Forest Ecosystems: Outreach and Research update. April 17. *Article.*

Workshops, Field Tours (Since 2016)

Attendee: Using AI for Effective Workplace Writing. University of Arizona. Writing Skills Improvement Program. Oct. 28, 2024.

Fox, S., Kobziar L. N. 2023. Oregon Mycological Society presentation and field tour.

Kobziar, L. N. 2019. Workshop Co-Lead: Fire Ecology Bootcamp: fire ecology basics for improving scientific representation in media around wildland fire. 8th International Fire Ecology and Management Congress, 18-22 November 2019, Tucson, AZ.

Kobziar, L. N. 2019. Fire effects on soil and soil processes. NWCG RX 310 training for Dept. of Defense US Army fire personnel, Murfreesboro, TN, May 6-8, 2019.

Kobziar L. N. 2018. Using UAS to measure living microbes in smoke plumes. Prescribed Fire Science Consortium Workshop, Tall Timbers Research Station, Tallahassee, FL, April 2018.

Kobziar, L. N. 2018. The life of smoke: catching aerosolized microbes during prescribed burns. Prescribed Fire Science Consortium tour at University of Montana's Lubrecht Forest. Missoula, Montana, May 25, 2018.

Varner, J. M., Kreye, J., Kobziar, L. N. 2016. Restoring Sandhill Ecosystems- Lessons from Restoration Research and Adaptive Management. Ordway Swisher Biological Station, Melrose, Florida, April 26, 2016. *Workshop and Field Tour.*