

# CURRICULUM VITAE

## University of Idaho

**NAME:** Leda N. Kobziar

**DATE:** January 1, 2020

**RANK OR TITLE:** Associate Clinical Professor, Director of Master of Natural Resources

**DEPARTMENT:** Natural Resources and Society

**OFFICE LOCATION AND CAMPUS ZIP:** CNR 17; 83844

**OFFICE PHONE:** (208) 885-0118

**EMAIL:** lkobziar@uidaho.edu

**WEB:**

<https://www.uidaho.edu/cnr/faculty>

**DATE OF FIRST EMPLOYMENT AT UI:** October 26, 2015

**DATE OF TENURE:** N/A

**DATE OF PRESENT RANK OR TITLE:** January 1, 2017

### 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- Fire History

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

Certified Type II Wildland Firefighter, Boulder, CO, June 1998-present

### EXPERIENCE:

#### Teaching, Extension and Research Appointments:

**2016-present** Associate Clinical Professor of Wildland Fire Science, University of Idaho

**2015** Assistant Clinical Professor of Wildland Fire Science, University of Idaho

*(Start date: Oct. 26, 2015)*

**2012-2015** Associate Professor of Fire Science and Forest Conservation, Tenured, 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.

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

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

**AWARDS:**

- Outstanding Instructor, College of Natural Resources, University of Idaho, 2018.
- Presidential Leadership Award, The Association for Fire Ecology, 2017.
- 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.
- Supervising Outstanding Dissertation Award, SFRC, University of FL, 2012.
- Open Access Publishing Award, University of Florida, 2012.
- Outstanding UCB Graduate Student Instructor, University of California, Berkeley, 2005.

**SCHOLARSHIP:****Peer-reviewed Publications:** *\*Indicates graduate student author working under my supervision*

- 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. *In Press*.
- 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., Kobziar, L. N. et al. 2019. Is fire for the birds? How two rare species influence fire management across the US. Frontiers in Ecology and the Environment.
- \*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
- 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 CO<sub>2</sub> Efflux Rates in Old-Field Pine-Grassland Forests. Forests 2017, 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.
- \*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. 2017.
- 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. 2016. Florida: The Silicon Valley of Fire. Review of S. Pyne, "Florida- a Fire Survey". Journal of Forestry. Volume 114 (6): 670-671.
- 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
- \*Watts, A. C., Kobziar, L. N. 2015. Hydrology and fire regulate edge influence on microclimate in wetland forest patches. Freshwater Science Vol. 34, No. 4, pp. 1383-1393.
- Cardil, A., Molina, D. M., and Kobziar, L. N. 2014. Extreme temperature days and potential impacts in Southern Europe, Nat. Hazards Earth Syst. Sci., 2, 3863-3886, doi:10.5194/nhessd-2-3863-2014.
- \*Kreye, J. K., Kobziar, L. N., Camp, J. M. 2014. Immediate and short-term response of understory fuels following mechanical mastication in a pine flatwoods site of Florida, USA. Forest Ecology and Management 313: 340-354.
- \*Watts, A. C., D. L. Watts, M. J. Cohen, J. B. Heffernan, D. L. McLaughlin, J. B. Martin, D. A. Kaplan, A. B. Murray, T. Z. Osborne, and L. N. Kobziar. 2014. Evidence of biogeomorphic patterning in a low-

- relief karst landscape. Earth Surface Processes and Landforms. 39 (15): 2027-2037;
- Kobziar, L. N. 2014. *Review of Fire on Earth: An Introduction*. Fire Ecology. Vol. 10 (1):88-91; doi: 10.4996/fireecology.1001088
- Osborne, T.Z., L.N. Kobziar, and P.W. Inglett. 2013. Fire and water: new perspectives on fire's role in Shaping wetland ecosystems. Fire Ecology 9(1): 1-5; doi: 10.4996/fireecology.0901001
- \*Medvedeff, C.A., K.S. Inglett, L.N. Kobziar, P.W. Inglett. 2013. Impacts of fire on microbial carbon cycling in subtropical wetlands. Fire Ecology 9(1): 21-37; doi: 10.4996/fireecology.0901021
- \*Watts, A.C., and L.N. Kobziar. 2013. Smoldering combustion and ground fires: ecological effects and multi-scale significance. Fire Ecology 9(1): 124-132; doi: 10.4996/fireecology0901124
- \*Kreye, J. K., Kobziar, L. N., Zipperer, W. C. 2013. Experimental burning in masticated palmetto/gallberry: effects of fuel loading and moisture content on fire behavior and lethal heating in compact litter-dominated fuelbeds. International Journal of Wildland Fire. 22: 440-445.
- \*Watts, A.C., Kobziar, L.N., and Snyder, J.R. 2012. Fire Reinforces Structure of Pondcypress (*Taxodium distichum* var. *imbricarium*) Domes in a Wetland Landscape. Wetlands 32(3): 439-448.
- Monroe, M.C., \*Watts, A., and Kobziar, L.N. 2012. Where there's fire, there's smoke: Air quality and prescribed burning in Florida. In Electronic Data Information Source. Institute of Food and Agricultural Sciences, Gainesville, Florida. (*originally published 2010*).
- \*Carvalho, E.O., Kobziar, L.N., and Putz, F.E. 2011. Fire ignition patterns affect production of charcoal in southern forests. International Journal of Wildland Fire 20: 474-477.
- \*Freeman, J.E., and Kobziar, L.N. 2011. Tracking postfire successional trajectories in a plant community adapted to high-severity fire. Ecological Applications 21(1): 61-74.
- \*Godwin, D.R., and Kobziar, L.N. 2011. Comparison of Burn Severities of Consecutive Large-Scale Fires in Florida Sand Pine Scrub Using Satellite Imagery Analysis. Fire Ecology 7: 99-113.
- Lavoie, E., Kobziar, L.N., Long, A.J., and Hains, M. 2011. Problems and needs for restorationists of longleaf pine. Natural Areas Journal 31(3): 294-299.
- \*Malone, S.L., Kobziar, L.N., Staudhammer, C.L., and Abd-Elrahman, A. 2011. Modeling relationships among 217 fires using remote sensing of burn severity in southern pine forests. Remote Sensing 3: 2005-2028.
- Grissino-Mayer, H.D., Kobziar, L.N., Harley, G.L., Russell, K.P., and LaForest, L.B. 2010. The Historical Dendroarchaeology of the Ximénez-Fatio House, St. Augustine, Florida, U.S.A. Journal of Tree Ring Research 66(1): 61-73.
- Watts, A.C., Kobziar, L.N., and Percival, H.F. 2011. Unmanned aircraft systems for wildland fire monitoring and research. In 24th Tall Timbers Fire Ecology Conference Proceedings: The Future of Fire: Public Awareness, Health, and Safety. Edited by R.E. Masters, K.E.M. Galley, and K.M. Robertson, Florida.
- Kobziar, L.N., Rocca, M.E., Dicus, C.A., Hoffman, C., Sugihara, N., Thode, A.E., Varner, J.M., and Morgan, P. 2009. Challenges to Educating the Next Generation of Wildland Fire Professionals in the United States. Journal of Forestry 107(7): 339-345.
- Kobziar, L. N., \*Kreye, J. 2011. Using western conifers to predict mortality in southern pines: Recommendations for fire behavior modeling systems. K.M. Robertson, R.E. Masters and K.E.M. Galley (eds.). Proceedings of the 24th Tall Timbers Fire Ecology Conference: The Future of Fire: Public Awareness, Health, and Safety. Tall Timbers Research Station, Tallahassee, FL, 24: 119.
- \*Graham, M., Kobziar, L. N., Escobedo, F. 2011. Wildfire mitigation treatments in the wildland-urban-interface: The surprising case of Florida. K.M. Robertson, R.E. Masters and K.E.M. Galley (eds.). Proceedings of the 24th Tall Timbers Fire Ecology Conference: The Future of Fire: Public Awareness, Health, and Safety. Tall Timbers Research Station, Tallahassee, FL, 24: 99.
- \*Freeman, J.E., Kobziar, L.N. 2011. Fire management planning in a crown fire ecosystem: Assessing the effects of fire severity and stand structure on sand pine scrub plant communities. K.M. Robertson, R.E. Masters and K.E.M. Galley (eds.). Proceedings of the 24th Tall Timbers Fire Ecology Conference: The Future of Fire: Public Awareness, Health, and Safety. Tall Timbers Research Station, Tallahassee, FL, 24: 142.
- \*Godwin, D.R., Kobziar, L.N. 2011. An analysis of burn severity mapping methods for use in sand pine scrub. K.M. Robertson, R.E. Masters and K.E.M. Galley (eds.). Proceedings of the 24th Tall Timbers Fire Ecology Conference: The Future of Fire: Public Awareness, Health, and Safety. Tall Timbers Research Station, Tallahassee, FL, 24: 90.
- Kobziar, L.N., Stephens, S.L., and McBride, J.R. 2009. The efficacy of fire and fuels reduction treatments in a Sierra Nevada pine plantation. International Journal of Wildland Fire 18(7): 791-801.
- Kobziar, L.N. 2007. The role of environmental factors and tree injuries in soil carbon respiration response to fire and fuels treatments in pine plantations. Biogeochemistry 84(2): 191-206.

- Kobziar, L.N., and McBride, J.R. 2006. Burn patterns and vegetation response along two northern Sierra Nevada streams. Forest Ecology and Management 222(1-3): 254-265.
- Kobziar, L.N., Moghaddas, J., and Stephens, S.L. 2006. Tree mortality patterns following prescribed fires in a mixed conifer forest. Canadian Journal of Forest Research 36: 3222-3238.
- Kobziar, L.N., and Stephens, S.L. 2006. The effects of fuels treatments on soil carbon respiration in a Sierra Nevada pine plantation. Agricultural and Forest Meteorology 141(2-4): 161-178.

**Accepted:**

- Hiers, J. K. et al. (18 authors, Kobziar is #6). Prescribed fire science: Understanding the behavior, effects and challenges of fires we use. Fire Ecology. *Accepted with minor revisions, December 2019.*
- McLauchlan, K, et al. (42 authors, Kobziar is 26). 2019. Fire as a fundamental ecological process: research advances and frontiers. Journal of Ecology. *Under revision, December, 2019.*
- Kobziar L, Varner JM. Pioneering, progressive, and persistent: Florida's fire management is fire use. *In press.* 2020. In: Rego FC, Morgan P, Fernandes P, Hoffman C. Fire science from chemistry to landscape management. Springer Nature

**Currently scheduled or submitted:**

- Morgan, P., Pingree, M., Kobziar L. N. Effects of mastication on soil heating and shrub response in mixed conifer forests. International J. Wildland Fire. *Scheduled.*
- Kobziar, L. N., Carvalho, E., Crandall, R., Watts, A. C., Freeman, J. A 23-year old restoration treatment evaluation: the paradox of moving towards moving desired conditions. Restoration Ecology. *Scheduled.*
- Hyde, J., Kobziar, L. N., Strand, E., Clark, J. Comparing emissions in the US for pre-settlement, intact, and present-day fire regimes. International J. Wildland Fire. *Scheduled.*
- Kobziar, L. N., Pingree, M., Gilbert, T., Kreye, J., Varner, M. Soil heating effects on autotrophic vs. heterotrophic soil respiration rates across fire regimes. Forest Ecology and Management. *Scheduled.*
- Kobziar, L. N. et al. Principles of fire ecology: theories that define how fire ecology has shifted paradigms in science. Ecology. *Scheduled.*
- Godwin, D.R., Kobziar, L.N., and Robertson, K.M. The effect of litter inputs and prescribed fire on soil temperature, moisture content, and soil respiration rates in north Florida old-field forests. *Scheduled.*

**Other:** (reports, papers, non-peer-reviewed proceedings)

- Kobziar, L. N., Varner, J. M., Keye, J. 2019. The consequences of soil heating for prescribed fire use and fire restoration in the South. Final Report: Joint Fire Science Program. 45 pp.
- \*Freeman, J., Kobziar, L. N. 2015. Food, fuel, and fire: effects of fuel treatments on wildlife habitat quality in longleaf pine. USDI Joint Fire Science Program. Report. 5 p.
- Long, A. L., Kobziar, L. N., Oxarart, A., Godwin, D. R., Roise, J., Robertson, K. R. 2014. The Southern Fire Exchange Knowledge Exchange Consortium: Report, Grant Period 3. USDI Joint Fire Science Program. Report. 10 p.
- Long, A. L., Oxarart, A., Kobziar, L. N., Godwin, D. R., Roise, J. 2014. The Southern Fire Exchange Knowledge Exchange Consortium: Southern Research Station, Report. 6 p.
- Kobziar, L. N., Kaplan, D., Freeman, J. 2014. Fire History, hydrology, and plant communities on Blackbeard Island and Wassaw National Wildlife Refuge, Savannah Coastal Refuges Complex. Florida Cooperative Fish and Wildlife Research Unit Project Final Report. 26 p.
- \*Watts, A. C., Kobziar, L. N. 2013. Does high severity lead to tree mortality in cypress domes? USDI National Park Service. Final Report. 8 p.
- \*Godwin, D. R., Kobziar, L. N. 2013. The influence of prescribed fire and understory fuels mastication on soil carbon respiration rates. USDI Joint Fire Science Program. Final Report. 5 p.
- Long, A. L., Kobziar, L. N., Oxarart, A., Godwin, D. R., Roise, J., Robertson, K. R. 2013. The Southern Fire Exchange Knowledge Exchange Consortium. USDI Joint Fire Science Program. Final Report. 8 p.
- \*Kreye, J. K., Kobziar, L. N., Long, A. L., Zipperer, W. C. 2013. Characterization of masticated fuelbeds and fuel treatment effectiveness in southeastern us pine ecosystems: USDI Joint Fire Science Program. Final Report. 22 p.
- \*Thomas, B., Kobziar, L. N., Kaplan, D. 2013. Climate response and fire history of slash pine on blackbeard island

- and wassaw national wildlife refuge, savannah coastal refuges complex. Florida Cooperative Fish and Wildlife Research Unit Project Report. 7 p.
- Budny, M. L., \*Kreye, J. K., Kobziar, L. N. Camp, J. M. 2014. Fuel Treatments in Pine Flatwoods: a Photo Series Guide. Southern Fire Exchange: 42 p.  
[http://www.southernfireexchange.org/Models\\_Tools/etc/Fuel\\_Treatments\\_Photo\\_Guide.pdf](http://www.southernfireexchange.org/Models_Tools/etc/Fuel_Treatments_Photo_Guide.pdf)
- \*Watts, A. C., Kobziar, L. N. 2013. Will climate change alter wildfire behavior and effects in seasonally-dry wetlands? USDI Joint Fire Science Program. Final Report. 5 p.
- \*Kreye, J. K., Kobziar, L. N. 2012. Evaluating Wildland-Urban-Interface Fuels Reduction Treatment Lifecycles and impacts on Carbon Sequestration: Final Report. USDA Forest Service Southern Research Station. 15 p.
- Long, A. L., Kobziar, L. N., Oxarart, A. 2012. The Southern Fire Exchange: Report for the USDI Joint Fire Science Program. 21 p.
- \*Watts, A. C., Kobziar, L. N., Snyder, J. R. 2009. Severity and post-fire mortality in cypress (*Taxodium distichum* var. *imbricarium*) domes following the Deep Fire, Big Cypress National Preserve, Florida. Proceedings of the 4th International Fire Ecology and Management Congress: Fire as a Global Process. Savannah, GA, Nov. 2009. Available online <http://fireecology.net/past-conferences/10-4thcongress.html>
- \*Godwin, D. R., Kobziar, L. N., Robertson, K. 2009. The influence of long term prescribed fire management regimes on soil carbon respiration in southern forests. Proceedings of the 4th International Fire Ecology and Management Congress: Fire as a Global Process. Savannah, GA, Nov. 2009. Available online <http://fireecology.net/past-conferences/10-4thcongress.html>
- Kobziar, L. N. 2007. Tree mortality patterns following replicated prescribed fires in a mixed conifer forest. Proceedings of the Third International Fire Ecology and Management Congress, San Diego, CA, Nov. 2006.
- Kobziar, L. N. 2007. Soil carbon respiration response to fuels treatments and prescribed burning in Sierra Nevada pine plantations. Proceedings of the Third International Fire Ecology and Management Congress, San Diego, CA, Nov. 2006. (available on CD)
- Long, A. L., Oxarart, A., Kobziar, L. N. 2011. The Southern Fire Exchange: Report for the USDI Joint Fire Science Program. 18 p.
- \*Graves, D., Kobziar, L. N. 2010. Evaluating fine fuel resistance and conductance for field-based fine fuel moisture measurement. Final Report: Wiltronics Inc., Australia. 48 p.
- \*Watts, A., Kobziar, L. N., Snyder, J. 2010. Mortality of pondcypress following the Deep Fire in Big Cypress, Florida. Final Report: USDI National Park Service. 21 p.
- Grissino-Mayer, H. D., Kobziar, L. N., Harley, Grant L., Russell, Kevin P., and LaForest, Lisa B. 2009. The Historical Dendroarchaeology of the Ximénez-Fatio House, St. Augustine, Florida, U.S.A. Final Report: National Society of the Colonial Dames of America. 44 p.
- Kobziar, L. N., Escobedo, F., Graham, M. 2008. Assessing the efficacy of wildfire mitigation treatments in Florida's wildland-urban interface. Final Report: University of Florida School of Natural Resources and Environment. 7 p.
- Kobziar, L. N. 2006. Fire hazard reduction in ponderosa pine plantations: Final Report: Joint Fire Science Program. 50p.
- Kobziar, L. N. 2006. The effects of fire and fuels reduction treatments on fire hazard and soil carbon respiration in a Sierra Nevada pine plantation. UC Berkeley Doctoral Dissertation. 187 p.
- Kobziar, L. N. 2000. Using a plot transect method to determine the historical fire regime for the montane forests of Boulder, Colorado. UC Berkeley MS Thesis. 148 p.

**Professional Meeting Papers, Workshops, Showings, Recitals:** (\*denotes graduate student working under my supervision; presenter underlined, oral presentation unless indicated otherwise; “invited” includes invitations to participate in special sessions)

#### **A. International audiences: Total = 46; 11 invited**

- Kobziar, L. N., Vuono, D. C., Moore, R. A., Christner, B., Kochanski, A., and Watts, A. C. A12D-02 The life of smoke: how wildland fire aerosolizes viable microbial communities with atmospheric and terrestrial ramifications. Presented at 2019 Fall Meeting, AGU, San Francisco, CA, Dec. 9-13.
- Kobziar, L. N., M. Pingree, A. C. Watts, K. N. Nelson, D. Vuono, R. Moore, J. Smith, T. Dreaden, and M. Rideout. Accessing the life of smoke: using unmanned aircraft systems (sUAS) to sample viable microorganisms and environmental covariates during wildland fires. Presentation, 8<sup>th</sup> International Fire Ecology and Management Congress, November 17-22, 2019. Tucson, AZ.
- Kobziar, L. N., Pingree, M., Dreaden, T., Larson, H., Watts, A., Vuono, D. Moore, R., Christner, B. 2019. The

- life of wildland fire smoke. Oral presentation at: "Linking sources and sinks in the long distance aerial dissemination of microorganisms" conference and workshop. Reykholt, Iceland. Sept. 2-7. **(Invited)**.
- Watts, A. C., R. Ottmar, D. Grimm, J. Juchzter, P. Melarkey, D. Page, L. N. Kobziar, K. N. Nelson, and J. Boehmler. Unmanned aircraft systems (UAS) for data collection at the Fire and Smoke Model Evaluation Experiment (FASMEE). Presentation, 8th International Fire Ecology and Management Congress, 18-22 November 2019, Tucson, AZ.
- Watts, A. C., L. N. Kobziar, and J. M. Varner. Beyond the paradigm of moving beyond the paradigm: myths of fire ecology. Plenary Presentation, 8th International Fire Ecology and Management Congress, 18-22 November 2019, Tucson, AZ.
- Kobziar, L. N. 2017. Fire Ecology 2.0. Plenary Presentation at the 7<sup>th</sup> International Fire Ecology & Management Congress. Orlando, FL Nov 28 – Dec 2, 2017. **(Invited)**
- Kobziar, L. N., Gilbert, T., Pingree, M., Kreye, J. K., Varner, J. M. 2017. Soil heating effects on autotrophic vs. heterotrophic soil respiration rates across fire regimes. Oral Presentation at the 7<sup>th</sup> International Fire Ecology & Management Congress. Orlando, FL Nov 28 – Dec 2, 2017. **(Invited)**
- Pingree, M., Kobziar, L. N. Pyroaerobiology: The transport and characterization of viable microorganisms by wildland fire smoke. Oral Presentation at the 7<sup>th</sup> International Fire Ecology & Management Congress. Orlando, FL Nov 28 – Dec 2, 2017.
- Kreye, J. K., Varner, J. M., Kobziar, L. N., Hamby, G. W. Patterns of soil heating during prescribed burns across contrasting fire regimes in widespread southeastern USA pine forests. Oral Presentation at the 7<sup>th</sup> International Fire Ecology & Management Congress. Orlando, FL Nov 28 – Dec 2, 2017. **(Invited)**
- Varner, J.M., J.K. Hiers, J.J. O'Brien, J.M. Kane, J.K. Kreye, and L.N. Kobziar. Consequences of long-duration soil heating for tree stress and mortality. Oral Presentation at the 7<sup>th</sup> International Fire Ecology & Management Congress. Orlando, FL Nov 28 – Dec 2, 2017.
- Freeman, J., Kobziar, L. N., Williges, K. 2017. Resilience of fire-maintained savannas in a changing landscape. Seventh International Association for Fire Ecology Congress. November 27- Dec. 1, Orlando, FL. (Contributed)
- Rothberg, S., Kobziar, L. N., Zwick, P. 2017. Florida's fireprints: weather phenomena as predictors of spatially explicit prescribed fire frequency. Seventh International Association for Fire Ecology Congress. November 27- Dec. 1, Orlando, FL. (Contributed)
- Pingree, M., Kobziar, L. N., Green, S. 2017. Pyroaerobiology: the transport and characterization of viable microorganisms by wildland fire smoke. Seventh International Association for Fire Ecology Congress. November 27- Dec. 1, Orlando, FL. (Contributed)
- Kobziar, L. N., Heward, H., Morgan, P. 2016. Educating the Future Fire Workforce to Respond to Increasingly Complex Challenges. International Association for Wildland Fire Conference on Fire Behavior and Fuels. Portland, Oregon. April 11-15<sup>th</sup>. (Contributed)
- \*Larson, H., Kobziar, L. N. 2015. Don't forget the little guys: prescribed fire effects on microbe transport through smoke. Sixth International Association for Fire Ecology Congress, San Antonio, TX, 16-20 November. (Contributed)
- Godwin, D. R., Long, A., Kobziar, L. N. 2015. Private landowners, ngos, and government agencies: meeting diverse fire science needs. Sixth International Association for Fire Ecology Congress, San Antonio, TX, 16-20 November. (Contributed)
- Kreye, J.K., Varner, J.M., Battaglia, M., Kane, J.M., Knapp, E.E., Kobziar, L.K., Rocca, M.E. Plant Community Response to Mastication Fuels Treatments: A Review of Current Knowledge. Sixth International Association for Fire Ecology Congress, San Antonio, TX, 16-20 November. (Contributed)
- \*Rothberg, S., Kobziar, L. N. 2015. A revised Brown's method: Improving fuels modeling. Sixth International Association for Fire Ecology Congress, San Antonio, TX, 16-20 November. (Contributed)
- \*Freeman, J., Kobziar, L. N. 2015. Can we restore resilient savanna plant communities in the modern landscape? *Poster*, Sixth International Association for Fire Ecology Congress, San Antonio, TX, 16-20 November. (Contributed)
- Kobziar, L. N., A. C. Watts, D. R. Godwin, and M. Johnson. 2014. Immediate effects of California's Rim Fire on tree injuries and in-stand severity in fuels-treated plantations. Large Wildland Fires: Social, political, and ecological effects, 19-23 May 2014, Missoula, MT (Contributed).
- Kobziar, L. N. 2013. Manipulating Fire Regimes to Restore and Conserve Imperiled Forests. Erasmus Mundus European Forestry Program Seminar, University of Lleida, Spain, Sept. 20. **(Invited)**
- Kobziar, L. N. 2013. Fire Training and Certification in the US. MasterFuego Program Opening Seminar, University of Lleida, Spain, Sept. 20. **(Invited)**
- Kobziar, L. N., Godwin, D. R. 2013. Fire ecology to inform management: fire regime impacts on soil carbon.

- College of Agriculture and Forestry Seminar Series, European Forestry Program. University of Lleida, Spain, Oct. 13 **(Invited)**
- Kobziar, L. N. 2013. Using fire to restore and conserve imperiled forests. University of Natural Resources and Life Sciences Seminar Series, Vienna, Austria, Nov. 11 **(Invited)**
- Kobziar, L. N., Watts, A. C., \*Taylor, L. 2013. Prescribed Fire Effects on Wildfire in the South: a Survey of Fire Use Practitioners. International Association for Wildland Fire 4<sup>th</sup> Fire Behavior and Fuels Conference. Raleigh, NC, Feb 18-22. (Contributed)
- \*Godwin, D. R., Kobziar, L. N. 2013. Forty-Years of Prescribed Fire Alters Soil CO<sub>2</sub> Efflux Rates at the Stoddard Fire Plots in North Florida. International Association for Wildland Fire 4<sup>th</sup> Fire Behavior and Fuels Conference. Raleigh, NC, Feb 18-22. (Contributed)
- \*Kreye, J.K., Kobziar, L.N. 2013. Altered Fire Behavior & Effects Following Mastication in Pine Flatwoods Ecosystems. International Association for Wildland Fire 4<sup>th</sup> Fire Behavior and Fuels Conference. Raleigh, NC, Feb 18-22. (Poster)
- \*Watts, A. C. Kobziar, L. N. 2013. Determinants of smoldering in cypress landscapes: landscape factors and implications for carbon release. International Association for Wildland Fire 4<sup>th</sup> Fire Behavior and Fuels Conference. Raleigh, NC, Feb 18-22. **(Invited)**
- 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 CO<sub>2</sub> 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 = 13; 3 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)**.

\*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). 62<sup>nd</sup> 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 National 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 = 14; 8 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: 6; 4 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: 9; 5 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. 15<sup>th</sup> 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 = 4**

- 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.

## Grants and Contracts Awarded:

### *University of Idaho*

- 2019-2020** **Kobziar, L. N.**, 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, Desert Research Institute; R. Moore, B. Christner, Univ. FL.
- 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, USFS; J. Kreye, Virginia Tech.; M. Andreu and D. Godwin, UFL; Collaborator M. Pingree.
- 2016-2019** **Kobziar**, PI- Fire effects on soil heating and transport of microorganisms (McIntire-Stennis: \$120,000). Collaborator: M. Pingree, Post-doctoral Research Scientist, University of Idaho

### *University of Florida*

- 2015** **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.
- 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. Snyder, 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. Snyder, 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).

## **TEACHING ACCOMPLISHMENTS:**

---

**Areas of Specialization:** Forest conservation, Fire ecology and science, Prescribed burning, Fire management, Restoration ecology, Fire behavior, Distance education pedagogy, Research methods

**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)
FOR 451	Fuels Inventory and Management (UG/G; Spring, 2016-present)
ENVS 497	Environmental Science Capstone Research (UG; Spring 2018-present)
REM 440	Wildland Restoration Ecology (UG/G; Spring, 2016-2018)
FOR 444	Prescribed Burning for Ecologically-based Management (UG; Spring 2017-2018)
NRS 504	Fire Science Forum (G; Fall, 2016, 2017)
FOR 510	GIS Applications in Fire Ecology and Management (G; Spring, 2016)

### University of Florida (Spring 2007-Summer 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)

### University of Idaho Graduate Students:

<i>University of Idaho</i>			
Applicant's Role	Student	<sup>1</sup> Home Dept.	Completion Date (*expected)
<b>Major Advisor, PhD, Env. Sci.</b>	Jacob Odekirk	ENVS	2022*
<b>Major Advisor, MNR</b>	<b>56 total MNR Students (including those listed below)</b>	CNR	Various
<b>Chair, MS Committee</b>	Tyler Gilbert	NRS	2018
<b>Major Advisor, MNR Graduated Students</b>	Nathan Wierwille	CNR	2019
	Alex Drenga	CNR	2019
	Michael Lesiak	CNR	2019
	Alex Miner	CNR	2019
	Holly Hinogosa	CNR	2019
	John Flechsenhaar	CNR	2019
	Michael-Lynn McDonnell	CNR	2019
	Lisa Garrigues	CNR	2019
	Matthew Slifko	CNR	2019
	Darcy McDaniel	CNR	2019
	Matt Slifko	CNR	2018
	Karen Welch	CNR	2018
	Casey Welch	CNR	2018
	Jeremy Suprenant	CNR	2018
	Elizabeth Eastman	CNR	2018
	Robert Stokes	CNR	2018
	William Burton	CNR	2018
	Kameron Yeggy	CNR	2018
	Emily Dymock	CNR	2018
	Alex Miller	CNR	2019
	Cedar Drake	CNR	2019
	Nicholas Tolman	CNR	2019
	Jeffrey Liday	CNR	2019
Francesca Chavez	CNR	2019	
George Mumford	CNR	2019	
<b>Member, PhD Committee</b>	Amanda Stasiewicz	CNR	2019
<b>Major Advisor, Certificate in Fire Ecology and Management</b>	Emily Webb	CNR	2019

<sup>1</sup>MNR is Master of Natural Resources, NRS is Natural Resources and Society Department, CNR is College of Natural Resources

### University of Florida Graduate Students:

<i>University of Florida</i>			
Applicant's Role	Student	<sup>2</sup> Home Dept.	Completion Date
<b>Chair, 5 Ph.D. Committees</b>	Johanna Freeman	SFRC	2017
	Scott Rothberg	URP	2017
	David Godwin	SFRC	2012
	Adam Watts	SNRE	2012

	Jesse Kreye	SFRC	2012
<b>Chair, 9 Masters Committees</b>	Heather Larson	SFRC, MF	2016
	Danielle Ivey	SFRC, MS NT	2015
	Meghan Knapp	SFRC, MS NT	2015
	Steve Miller	SFRC, MFRC	2016
	Terri Mashour	SFRC, MS NT	2012
	Nichole Strickler	SFRC, MFRC	2012
	Leland Taylor	SFRC, MFRC	2012
	Eric Carvalho	SFRC, MS	2012
	David Godwin	SFRC, MS	2008
<b>Co-Chair, 2 Masters Committee</b>	Michael Adler (50%)	SFRC, MS NT	2012
	Sparkle Malone (50%)	SFRC	2010
Member, 6 Ph.D. Committees	Chase Kimmel	ENT	2017
	Wade Ross	SWS	2016
	Cassandra Medvedeff	SWS	2013
	Matthew Thom	ENT	2013
	Louise Venne	WEC	2012
	Paulo Brando	BIOL	2010
Member, 6 Masters Committees	Holly Shiralipour	SFRC, MS NT	2017
	Scott Rothberg	URP	2014
	Eli Bacheldor	SFRC, MFRC	2012
	Michael Morgan	SFRC	2010
	Matthew Graham	GEOG	2010
	Kevin Ratkus	SNRE	2007

<sup>2</sup>SFRC is School of Forest Resources and Conservation, SNRE is School of Natural Resources and the Environment, NT is non-thesis, MFRC is Master of Forest Resources and Conservation, URP is Urban and Regional Planning, ENT is Entomology, SWS is Soil and Water Science, WEC is Wildlife Ecology and Conservation, GEOG is Geography.

**Guest Lectures:** Ecology, Fire Ecology, Forest, Rangeland, and Fire Science Seminar, Introduction to Forest Management, Natural Resources and Society Seminar

#### **Non-Academic Courses Taught:**

Florida Forest Service: Interagency Prescribed Burn Manager course  
 Florida Forest Service: S-290  
 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.*

#### **SERVICE:**

---

#### **Professional and Scholarly Organizations**

## Major Committee Assignments

### *University of Idaho*

#### **University**

- Search Committee, Dean of College of Natural Resources (Winter 2019-20)
- 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**

- Co-Lead, CNR Fire Center Visioning Group (2019-2020)
- CNR All-Leadership Team (Fall 2018-present)
- Chair, Core Faculty Committee, MNR, University of Idaho (2015-present)
- Diversity and Inclusivity Committee, CNR (2019-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, October 2016
- Affiliate Faculty, Environmental Science
- Member, IFIRE (Integrated Fire Institute for Research and Education)

#### **Departmental**

- Mentoring Committee, Arjan Meddens (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)

### *University of Florida*

#### **University**

- Member, Advisory Committee, UF Natural Areas Teaching Lab (2009 to 2012; 2014)
- Member, University Libraries Committee (2009 to 2012)
- Burn Manager, UF Natural Areas Teaching Lab (2011-2012)

#### **College/Institute of Food and Agricultural Science**

- Coordinator, Distance education based M.S. program in Ecological Restoration (2009-2015)
- Co-Director, Conserved Forest Ecosystems Outreach and Research, a cooperative designed to facilitate integrative research and outreach activities in public and family forests (2008-2015)

#### **School of Forest Resources and Conservation**

- Chair, Distance Education Committee (2014)
- Member, Distance Education Committee (2012, 2013)
- Chair, Committee for Peer Review of Teaching for Dr. Salvador Gezan (2012-2014)
- Member, Austin Carey Forest Committee (2012, 2013, 2014)
- Member, Faculty Advisory Committee, (2010-2011)
- Member, Facilities/ Safety Committee (2011-2015)
- Member, Undergraduate Programs Committee, SFRC (2008-2010)
- Member, Search and Screen Committee, Faculty Position in Integrated Fisheries Science (2010)
- Member, Search and Screen Committee, Operations Manager, SFRC (2012)
- Member, Committee for Peer Review of Teaching for Dr. Jason Smith, (2009 & 2010)

- Member, Committee for Peer Review of Teaching for Dr. Matt Cohen, (2008)
- Member, Safety Awareness Committee, School of Forest Resources and Conservation (2009-2012)

### 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)

### Offices Held and Committee/ Review Participation

- University of California System Laboratory Fees Grant Program Review Panel (Fall, 2019)
- National Science Foundation (NSF) Review Panel: Navigating the New Arctic (May, 2019)
- University of Vienna REWIRE (Reinforcing Women in Research) reviewer (2019)
- Co-Lead, Association for Fire Ecology Education Committee (2019-present)
- Co-Lead, Joint Fire Science Program- Graduate Research Innovation Grant Review Panel (Summer, 2019; Winter, 2020)
- Lead, Joint Fire Science Program InSPIRES program development (2019-present)
- Program Committee: Eighth International AFE Fire Congress (2019)
- Program Review Member, North Idaho College Biology Program, (Spring 2019)
- President, Association for Fire Ecology (Nov. 2015-Jan. 1, 2018)
- Future of Fire Science NSF Workshop, Invited Participant, Boulder, CO (Nov. 2017)
- Invited Participant, Joint Fire Science Program Evaluation (January 2017)
- Board of Directors, Association for Fire Ecology (2008-2018)
- Austrian Academy of Science: Doctoral Fellowship Program reviewer (Nov. 2017)
- Wildland Fire Education Cooperative, Northern AZ Univ., educational materials reviewer (2017)
- Technical Advisory Committee: DoD SERDP- DCERP, Camp Lejeune, NC (2013-2015)
- Invited Participant, Fire Ecology Program Review, Tall Timbers Research Station, FL (2015)
- Invited Participant, 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)
- Chair (2010), Member (2009-present): Association for Fire Ecology Education Committee

### Editorial Service

- 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)
- Associate Editor, *Forests* (2019-present; 5-10 articles/year)
- Associate Editor, *Fire Ecology* (2011-present; 3-5 articles/year)

**Reviewer, Journals:** Agricultural and Forest Meteorology (1), Applied Soil Ecology (1), Canadian Journal of Forest Research (2), Conservation Letters (1), Ecological Applications (2), Ecological Engineering (1), Ecology (1), Ecosystems (2), Fire Ecology (18), Forests (3), Forest Ecology and Management (9), Global Change Biology (1), International Journal of Forestry Research (1), International Journal of Wildland Fire (5), Journal of Biogeography (1), Journal of Forestry (4), Plant and Soil (1), Plos 1(1), Southern Journal of Applied Forestry (2), Surveying and Land Information Science (1).

**Editorial Review, Books:** Pyne, S. 2016. Florida- A Fire Survey. University of AZ Press.



**Reviewer, Programs:** National Science Foundation, University of California Lab Fees program, Joint Fire Science Program, Tahoe Science Consortium, Mississippi-Alabama Sea Grant Consortium

## 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/ www*

Leman, J. 2019. How This Researcher Invented an Entirely New—and Entirely Badass—Field of Science”

**Popular Mechanics** Dec. 20, 2019. *Kobziar Interview*.

<https://www.popularmechanics.com/science/environment/a30246543/pyroaerobiology-smoke-signals-interview/>

Leman, J. 2019. “Wildfires spark population booms in fungi and bacteria populations”. **Nature, Nature-Asia**,

Jan. 16 2019. *Article with Kobziar interview*: <https://www.nature.com/articles/d41586-019-00151-8>

Venton, Danielle. 2019. **NPR**. Wildfire smoke, once considered sterile, teems with life. *Kobziar interview*.

<https://www.kqed.org/science/1951474/wildfire-smoke-once-considered-sterile-teems-with-life>

Von Dagmar Röhrlich. 2019. **Deutschlandfunk** “Fungi and bacteria ride on clouds of smoke”. *Kobziar*

*Interview*. [https://www.deutschlandfunk.de/feuer-und-oekologie-pilze-und-bakterien-reiten-auf.676.de.html?dram:article\\_id=465815](https://www.deutschlandfunk.de/feuer-und-oekologie-pilze-und-bakterien-reiten-auf.676.de.html?dram:article_id=465815)

Manke, K. 2019. UC Berkeley. "Is wildfire management 'for the birds?'" **ScienceDaily**. ScienceDaily, 2 July

2019. *Article with Kobziar interview* [www.sciencedaily.com/releases/2019/07/190702160114.htm](http://www.sciencedaily.com/releases/2019/07/190702160114.htm)

- 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](https://www.eurekalert.org/pub_releases/2019-07/uoc--iwm070219.php)

Hirsch, J., Doyle, L. 2019. **HBO Vice News**. “Watch How the Forest Service Burned Down 2,000 Acres for

Research”. *Video news story*. [https://www.vice.com/en\\_us/article/3k33ny/watch-how-the-forest-service-burned-down-this-forest-for-research](https://www.vice.com/en_us/article/3k33ny/watch-how-the-forest-service-burned-down-this-forest-for-research). July 23, 2019.

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*.

Leman, J. 2019. “Wildfires spark population booms in fungi and bacteria populations”. **Scientific American**,

Jan. 16 2019. *Article with Kobziar interview* <https://www.scientificamerican.com/article/wildfires-spark-population-booms-in-fungi-and-bacteria/>

Jackson, S. 2018. “Up in smoke: UI researchers find live microbes in wildfire plumes, which could be transporting them around the globe”. **Moscow-Pullman Daily News**. Nov. 29, 2018. *Article with Kobziar*

*interview* [http://dnews.com/local/up-in-smoke-ui-researchers-find-live-microbes-in-wildfire/article\\_1356bc50-298e-59e4-b023-595b74b5b63b.html](http://dnews.com/local/up-in-smoke-ui-researchers-find-live-microbes-in-wildfire/article_1356bc50-298e-59e4-b023-595b74b5b63b.html)

Dawson, J. 2018. “Smoke May Be Home To Helpful And Harmful Microbes, Research Finds”. **Boise State**

**Public Radio**, Nov. 26, 2018. *Article with Kobziar interview* <http://www.boisestatepublicradio.org/post/smoke-may-be-home-helpful-and-harmful-microbes-research-finds#stream/0>

Van Horn, 2018. “Through the fire and the flames, A UI-based team found evidence microbes can survive fire” **The Argonaut**. November 28, 2019 *Article with Kobziar interview* <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.*

Gilpin, L. 2016.. “Why the Southeast is Becoming a Wildfire Hotspot” **FiveThirtyEight**, Dec. 8, 2016. *Newspaper article with Kobziar interview* <https://fivethirtyeight.com/features/the-southeast-is-becoming-a-wildfire-hotspot/>

Samuel, M. 2016. “Why have there been so many wildfires this Fall?” **NPR- Atlanta GA**. Nov. 18, 2016. *Radio interview* <http://news.wabe.org/post/why-have-there-been-so-many-wildfires-fall>

Gray, R., Kobziar, L. N., Steffens, R. 2016. “After Fort McMurray”. **Wildfire Magazine**, May-June 25(3): 20-22. *Article.*

(no author). 2015. “Forest Managers hampered in efforts to control costly wildfires by using prescribed burns”. **Homeland Security News Wire**. June 3, 2015. <http://www.homelandsecuritynewswire.com/dr20150603-forest-managers-hampered-in-efforts-to-control-costly-wildfires-by-using-prescribed-burns> *Article with Kobziar interview*

Buck, Brad. 2015. “Why Forest Managers Want to Set Fires but Can’t”. **Futurity**. March 23, 2015. <https://www.futurity.org/forests-wildfire-land-management-880712/> *Article with Kobziar interview*

Buck, Brad. 2015. “Why Forest Managers Want to Set Fires but Can’t”. **The Epoch Times**. March 26, 2015. [https://www.theepochtimes.com/why-forest-managers-want-to-set-fires-but-cant\\_1299550.html](https://www.theepochtimes.com/why-forest-managers-want-to-set-fires-but-cant_1299550.html) *Article with Kobziar interview*

LeQuire, E. 2012. Knowledge exchange for fire research: a two-way street. **Fire Management Today**. 72 (1): 21-28. *Article with Kobziar interview.*

### **Workshops, Field Tours (Selected Examples)**

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.*

Kobziar, L. N., Kreye, J., 2011. Landscape scale mechanical fuels reduction treatments effects on fire behavior, fuel loads, and forest ecology. Sept. 28. Osceola National Forest, Florida. *Workshop and field tour*

**Position Papers/ Articles**

Gray, R., Kobziar, L. N., Steffens, R. 2015. "Reduce Wildfire Risk or Continue to Pay More for Suppression." Association for Fire Ecology/ International Association for Wildland Fire/ The Nature Conservancy, *Position Paper*.

Gray, R., Steffens, R., Kobziar, L. N. 2015. "Reduce Wildfire Risk or Continue to Pay More for Suppression." The Missoulian, May 28, 2015. *Guest Column*.

Wells, G. 2011. "Preparing Tomorrow's Fire Professionals: Integration of Education, Training, and Experience Through Science Management Partnerships" JFSP Fire Science Digests. Paper 9. *Article with Kobziar interview*.

Brown, M. 2009. In plantations or natural stands, ponderosa is programmed to partner with fire. Joint Fire Science Program, Research Brief 56. 6 p. *Featured researcher and interview*.

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*.

**PROFESSIONAL DEVELOPMENT:** (workshops and seminars attended)

- 
- 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.
  - Workshop attendee: January 2019: Placeholder sections and tracking of graduate student assessment. Laura Schramm, St. John's University.
  - Workshop attendee: November 2018: Leading Effective Online Discussions, Center for Excellence in Teaching and Learning (CETL).
  - Summer Course Guest Speaker: Online Teaching- Building an Online Community. Summer, 2017. CETL.

## Workshop resources (CETL):

- Making Course Content More Accessible and Inclusive with BbLearn Ally
- Transparency in Learning and Teaching (TILT)
- Implicit Bias
- Hot Topics
- Annual Wildland Firefighter Refresher course, to maintain credentials to teach students fire use techniques in the field;
- Workshop: Recently Updated Missoula Fire Sciences Lab Educational Programs and Applications: Fireworks, Fire Effects Information System, FOFEM, and FuelCal, hosted by: Missoula Fire Sciences Laboratory. 5<sup>th</sup> International Association for Fire Ecology Congress, Dec. 3-7, 2012, Portland OR;
- Online course management system training (2013);
- Workshop: Wildland Fire Assessment Tools, hosted by: National Interagency Fuels Technology Transfer Team, University of Idaho. Fifth International Association for Fire Ecology Congress, Dec. 3-7, 2012, Portland OR;
- Course: National Wildfire Coordinating Group Interagency Wildland Fire Behavior S-290, to gain federal credentials for incorporating NWCG course S-190 in my classes;
- Course: National Wildfire Coordinating Group Interagency Wildfire Investigation Cause and Origin FI-210 training, to gain federal credentials for incorporating course content in my curriculum;
- UFL Annual Teaching Symposium: sessions on managing disruptive student behavior, incorporating new technologies into classroom learning, incorporating outcome-based learning;

- Workshop on Geographic Information Systems (2008)
- Florida Prescribed Fire Manager Certification Course (2008), to enable me to offer the same certification opportunities to students;