

CURRICULUM VITAE

NAME

Andrew Norton

ADDRESS

Bioagricultural Sciences and Pest Management
College of Agricultural Sciences

Plant Sciences
1177 Campus Delivery

PHONE

(970) 491-7421

EDUCATION

1995 Ph D, University of California, Berkeley

1985 BA, University of California, Santa Cruz

ACADEMIC POSITIONS

July 2014 - Present Professor, BSPM, Colorado State University, United States.

July 2008 - June 2014 Associate Professor, BSPM, Colorado State University.

July 2002 - June 2008 Assistant Professor, BSPM, Colorado State University.

July 2000 - June 2002 Research Associate / Assistant Professor, Special Appointment, BSPM, Colorado State University.

June 1995 - June 2000 Post-Doctoral Researcher, Department of Entomology, Cornell University NYSAES.

September 1988 - June 1995 Graduate Research Associate, Department of Entomology, University of California, Berkeley.

2017-2018 - Professor (College of Agricultural Sciences)

2016-2017 - Professor (College of Agricultural Sciences)

2015-2016 - Professor (College of Agricultural Sciences)

2014-2015 (College of Agricultural Sciences)

2012-2013 (College of Agricultural Sciences)

2011-2012 (College of Agricultural Sciences)

2010-2011 (College of Agricultural Sciences)

2009-2010 (College of Agricultural Sciences)

PUBLISHED WORKS

Refereed Journal Articles

- Gilman, N. V., Sagàs, J., Camper, M., Norton, A. P. (2017). A faculty-librarian collaboration success story: Implementing a teach-the-teacher library and information literacy instruction model in a first-year agricultural science course. *Library Trends*, 65(3), in press., Peer Reviewed/Refereed
- Endriss, S. B., Alba, C., Norton, A. P., Pysek, P., Hufbauer, R. A. (2017). Breakdown of a geographic cline explains high performance of introduced populations of a weedy invader. *Journal of Ecology*., Peer Reviewed/Refereed
- Gilman, N. V., Sagas, J., Camper, M. A., Norton, A. P. (2017). A Faculty–Librarian Collaboration Success Story: Implementing a Teach-the Teacher Library and Information Literacy Instruction Model in a First-Year Agricultural Science. *Library Trends/Johns Hopkins University Press.*, Peer Reviewed/Refereed
- Tuttle, G. M., Katz, G. L., Friedman, J. M., Norton, A. P. (2016). Ecological context conditions the impact of Russian olive in a heterogeneous riparian ecosystem. *Invasive Plant Science and Management.*, Peer Reviewed/Refereed
- Bernklau, E., Hibbard, B., Norton, A., Bjostad, L. (2016). Methyl anthranilate as a repellent for western corn rootworm larvae (Coleoptera: Chrysomelidae). *Journal of economic entomology.*, Peer Reviewed/Refereed
- Carper, A., Schwantes, C., Norton, A. P., Bowers, M. D., Jamieson, M. A. Comparing efficacy and cost of three common capture techniques for inventorying wild bees. *Journal of Insect Conservation.*, Peer Reviewed/Refereed
- Cariveau, D. P., Norton, A. P. (2014). Direct effects of a biocontrol agent are greater than indirect effects through flower visitors for the alien plant Dalmatian toadflax (*Linaria dalmatica*: Scrophulariaceae). *Biological invasions*, 16(9), 1951–1960., Peer Reviewed/Refereed
- Simmons, M., Norton, A. P. (2014). Divergent maximum-likelihood-branch-support values for polytomies. *Molecular phylogenetics and evolution*, 73, 87–96., Peer Reviewed/Refereed
- Williams, W. I., Friedman, J. M., Gaskin, J. F., Norton, A. P. (2014). Hybridization of an invasive shrub affects tolerance and resistance to defoliation by a biological control agent. *Evolutionary applications*, 7(3), 381–393., Peer Reviewed/Refereed
- Bright, D. E., Kondratieff, B. C., Norton, A. P. (2013). First record of the splendid tamarisk weevil, *Coniatus splendidulus* (F.)(Coleoptera: Curculionidae: Hyperinae), in Colorado, USA. *The Coleopterists Bulletin*, 67(3), 302–303., Peer Reviewed/Refereed
- Simmons, M., Norton, A. P. (2013). Quantification and relative severity of inflated branch-support values generated by alternative methods: an empirical example. *Molecular phylogenetics and evolution*, 67(1), 277–296., Peer Reviewed/Refereed
- Hufbauer, R. A., Wilbur, H., Alba, C., Norton, A. P. (2013). The effect of insect herbivory on the growth and fitness of introduced *Verbascum thapsus* L. *NeoBiota*, 19, 21., Peer Reviewed/Refereed
- Blumenthal, D. M., Norton, A. P., Cox, S. E., Hardy, E. M., Liston, G. E., Kennaway, L., Booth, D. T., Derner, J. D. (2012). *Linaria dalmatica* invades south-facing slopes and less grazed areas in grazing-tolerant mixed-grass prairie. *Biological Invasions*, 14(2), 395–404., Peer Reviewed/Refereed

- Williams, W., Norton, A. P. (2012). Native stem-boring beetles (Coleoptera: Bostrichidae) extensively and frequently feed on invasive Tamarix. *The Southwestern Naturalist*, 57(1), 108–111., Peer Reviewed/Refereed
- Simmons, M., Müller, K. F., Norton, A. P. (2010). Alignment of, and phylogenetic inference from, random sequences: the susceptibility of alternative alignment methods to creating artifactual resolution and support. *Molecular phylogenetics and evolution*, 57(3), 1004–1016., Peer Reviewed/Refereed
- Blumenthal, D. M., Norton, A. P., Seastedt, T. R. (2010). Restoring competitors and natural enemies for long-term control of plant invaders. *Rangelands*, 32(1), 16–20., Peer Reviewed/Refereed
- Cariveau, D. P., Norton, A. P. (2009). Spatially contingent interactions between an exotic and native plant mediated through flower visitors. *Oikos*, 118(1), 107–114., Peer Reviewed/Refereed
- Norton, A. P., Blair, A. C., Hardin, J. G., Nissen, S. J., Brunk, G. R. (2008). Herbivory and novel weapons: no evidence for enhanced competitive ability or allelopathy induction of *Centaurea diffusa* by biological controls. *Biological Invasions*, 10(1), 79–88., Peer Reviewed/Refereed
- Bean, D., Norton, A. P., Jashenko, R., Cristofaro, M., Schaffner, U. (2008). Status of Russian olive biological control in North America. *Ecological Restoration*, 26(2), 105–107., Peer Reviewed/Refereed
- English-Loeb, G., Norton, A. P., Gadoury, D., Seem, R., Wilcox, W. (2007). Biological control of grape powdery mildew using mycophagous mites. *Plant Disease*, 91(4), 421–429., Peer Reviewed/Refereed
- MacKinnon, D. K., Hufbauer, R. A., Norton, A. P. (2007). Evaluating host use of an accidentally introduced herbivore on two invasive toadflaxes. *Biological Control*, 41(2), 184–189., Peer Reviewed/Refereed
- Simmons, M., Müller, K., Norton, A. P. (2007). The relative performance of indel-coding methods in simulations. *Molecular phylogenetics and evolution*, 44(2), 724–740., Peer Reviewed/Refereed
- English-Loeb, G., Norton, A. P. (2006). Lack of trade-off between direct and indirect defence against grape powdery mildew in riverbank grape. *Ecological entomology*, 31(5), 415–422., Peer Reviewed/Refereed
- MacKinnon, D. K., Hufbauer, R. A., Norton, A. P. (2005). Host-plant preference of *Brachyterolus pulicarius*, an inadvertently introduced biological control insect of toadflaxes. *Entomologia experimentalis et applicata*, 116(3), 183–189., Peer Reviewed/Refereed
- Lloyd, C. J., Hufbauer, R. A., Jackson, A., Nissen, S. J., Norton, A. P. (2005). Pre-and post-introduction patterns in neutral genetic diversity in the leafy spurge gall midge, *Spurgia capitigena* (Bremi)(Diptera: Cecidomyiidae). *Biological Control*, 33(2), 153–164., Peer Reviewed/Refereed
- Nihat, D., Cranshaw, W. S., Norton, A. P. (2005). Survey of *Lygus* spp. And an associated parasitoid, *Leiophron uniformis* (Gahan), in Colorado. *Southwestern Entomologist*, 30(1)., Peer Reviewed/Refereed
- English-Loeb, G., Norton, A. P., Gadoury, D., Seem, R., Wilcox, W. (2005). Tri-trophic interactions among grapevines, a fungal pathogen, and a mycophagous mite. *Ecological Applications*, 15(5), 1679–1688., Peer Reviewed/Refereed
- Lloyd, C. J., Norton, A. P., Hufbauer, R. A., Bogdanowicz, S. M., Nissen, S. J. (2004). Microsatellite isolation from the gall midge *Spurgia capitigena* (Diptera: Cecidomyiidae), a biological control agent of leafy spurge. *Molecular Ecology Notes*, 4(4), 605–607., Peer Reviewed/Refereed
- Hanson, B., Garifullina, G. F., Lindblom, S. D., Wangeline, A., Ackley, A., Kramer, K., Norton, A. P., Lawrence, C. B., Pilon-Smits, E. A. (2003). Selenium accumulation protects *Brassica juncea* from invertebrate herbivory

and fungal infection. *New Phytologist*, 159(2), 461–469., Peer Reviewed/Refereed

English-Loeb, G., Norton, A. P., Walker, M. A. (2002). Behavioral and population consequences of acarodomatia in grapes on phytoseiid mites (Mesostigmata) and implications for plant breeding. *Entomologia Experimentalis et Applicata*, 104(2-3), 307–319., Peer Reviewed/Refereed

Norton, A. P., English-Loeb, G., Belden, E. (2001). Host plant manipulation of natural enemies: leaf domatia protect beneficial mites from insect predators. *Oecologia*, 126(4), 535–542., Peer Reviewed/Refereed

Udayagiri, S., Welter, S. C., Norton, A. P., others (2000). Biological control of *Lygus hesperus* with inundative releases of *Anaphes iole* in a high cash value crop. *Southwestern Entomologist*(Suppl. 23), 27–38., Peer Reviewed/Refereed

Udayagiri, S., Norton, A. P., Welter, S. C. (2000). Integrating pesticide effects with inundative biological control: interpretation of pesticide toxicity curves for *Anaphes iole* in strawberries. *Entomologia Experimentalis et Applicata*, 95(1), 87–95., Peer Reviewed/Refereed

Norton, A. P., English-Loeb, G., Gadoury, D., Seem, R. C. (2000). Mycophagous mites and foliar pathogens: leaf domatia mediate tritrophic interactions in grapes. *Ecology*, 81(2), 490–499., Peer Reviewed/Refereed

English-Loeb, G., Norton, A. P., Gadoury, D. M., Seem, R. C., Wilcox, W. F. (1999). Control of powdery mildew in wild and cultivated grapes by a tydeid mite. *Biological control*, 14(2), 97–103., Peer Reviewed/Refereed

Norton, A. P., Welter, S. C. (1996). Augmentation of the egg parasitoid *Anaphes iole* (Hymenoptera: Mymaridae) for *Lygus hesperus* (Heteroptera: Miridae) management in strawberries. *Environmental Entomology*, 25(6), 1406–1414., Peer Reviewed/Refereed

Norton, A. P., Washburn, J. O., Omi, E. M. (1992). Axenic culture of *Lambornella clarki* (Ciliophora: Tetrahymenidae), an endoparasite of *Aedes sierrensis* (Diptera: Culicidae). *Journal of Invertebrate Pathology*, 60(2), 164–170., Peer Reviewed/Refereed

Norton, A. P., Welter, S. C., Flexner, J. L., Jackson, C., Debolt, J. W., Pickel, C. (1992). Parasitism of *Lygus hesperus* (Miridae) by *Anaphes iole* (Mymaridae) and *Leiophron uniformis* (Braconidae) in California strawberry. *Biological Control*, 2(2), 131–137., Peer Reviewed/Refereed

Refereed Proceedings or Transactions

Delaney, K., Espeland, E., Norton, A. P., Sing, S., Keever, K., Baker, J., Cristofaro, M., Jashenko, R., Gaskin, J., Schaffner, U. (2013). *Russian olive-a suitable target for classical biological control in North America?* In: Wu, Yun; Johnson, Tracy; Sing, Sharlene; Raghu, S.; Wheeler, Greg; Pratt, Paul; Warner, Keith; Center, Ted; Goolsby, John; Reardon, Richard, eds.: XIII International Symposium on the Biological Control of Weeds., Peer Reviewed/Refereed

Non-Refereed Journal Articles

Norton, A. P. (2002). Native grapes as sources for biological control agents in vineyards., Not Peer Reviewed/Refereed

Non-Refereed Chapters in Books

Bourchier, R., Hansen, R., Lym, R., Norton, A. P., Olson, D., Randall, C. B., Schwarzlander, M., Skinner, L. (2006). *Biology and biological control of leafy spurge*: US Department of Agriculture Forest Health Technology Enterprise Team., Not Peer Reviewed/Refereed

Non-Refereed Proceedings or Transactions

- Williams, W. I., Norton, A. P. (2009). COS 110-6: A native herbivore's preference for invasive *Tamarix* sp. may limit the plant's range expansion in the central United States. *The 94th ESA Annual Meeting*.: Ecological Society of America Annual Meeting., Not Peer Reviewed/Refereed
- Cariveau, D. P., Norton, A. P. (2008). COS 72-10: Direct and indirect effects of the biological control agent, *Mecinus janthinus*, on the reproductive biology of the invasive plant, *Linaria dalmatica*. *The 93rd ESA Annual Meeting*.: Ecological Society of America., Not Peer Reviewed/Refereed
- Norton, A. (2008). Impact of host-plant water stress on the interaction between *Mecinus janthinus* and *Linaria dalmatica*. *Proceedings of the XII International Symposium on Biological Control of Weeds: La Grande Motte, France, 22-27 April 2007* (pp. 62).: Proceedings of the XII International Symposium on Biological Control of Weeds: La Grande Motte, France, 22-27 April 2007., Not Peer Reviewed/Refereed
- Gadoury, D., Seem, R., Wilcox, W., Loeb, G., Norton, A., Melidossia, H. (2007). Very small sheep: How Tydeid mites interact with powdery mildews and plant hosts. *PHYTOPATHOLOGY* (7th ed., vol. 97, pp. S141–S141).: The American Phytopathological Society., Not Peer Reviewed/Refereed
- Norton, A. P. (2005). Impact of host-plant water stress on the stem boring weevil *Mecinus janthinus*. *The 2005 ESA Annual Meeting and Exhibition*.: The 2005 ESA Annual Meeting and Exhibition., Not Peer Reviewed/Refereed
- MacKinnon, D., Hufbauer, R. A., Norton, A. P. (2002). Preference of a biological control agent of toadflaxes. *The 2002 ESA Annual Meeting and Exhibition*.: The 2002 ESA Annual Meeting and Exhibition., Not Peer Reviewed/Refereed

Abstract

- Clark, A. L., Norton, A. P., Jahn, C. E. (2016). *Induced herbivory defense increases Canada thistle susceptibility to fungal pathogens*.: CSU Graduate Student Showcase., Not Peer Reviewed/Refereed
- Clark, A. L., Norton, A. P., Jahn, C. E. (2016). *Epidemiology & Impact of a Rust Fungus on Canada Thistle*.: CSU Front Range Student Ecology Symposium., Not Peer Reviewed/Refereed
- Hufbauer, R. A., Norton, A. P., MacKinnon, D. (2001). *Population structure of an introduced beetle on its host plants, Linaria dalmatica and L. vulgaris*.: Entomological Society of America Annual Meeting., Not Peer Reviewed/Refereed

Book Review

- Norton, A. P. (2006). *Review of: Biological Control of Invasive Plants in the United States* (1 (Spring 2006) ed., vol. 16).: Great Plains Research: A Journal of Natural and Social Sciences., Not Peer Reviewed/Refereed

Research Report

- Norton, A. P., Katz, G., Eldeiry, A. A., Holtzer, T. O., Waskom, R. M. (in press). *SB14-195 Report to the Colorado Legislature South Platte Phreatophyte Study* (Special Report 30 ed., pp. 109 pages).: Colorado Water Institute., Peer Reviewed/Refereed

PAPERS PRESENTED/SYMPOSIA/INVITED LECTURES/PROFESSIONAL MEETINGS/WORKSHOPS

- February 8, 2017, "Russian Olive Effects Persist Three Years After Removal", 2017 ANNUAL CONFERENCE FORWARD-THINKING RESTORATION, PLANNING, AND ADAPTATION, TAMARISK COALITION, (Presenter) Graham, T.
- February 7, 2017, "Weed Invasions Along the South Platte River", 2017 ANNUAL CONFERENCE FORWARD-THINKING RESTORATION, PLANNING, AND ADAPTATION, TAMARISK COALITION, (Presenter) Norton, A. P.
- November 16, 2016, "Effects of the 2013 flood on phreatophytes in the South Platte River system", Colorado Water Conservation Board, Colorado Water Conservation Board.
- November 15, 2016, "Induced herbivory defense increases Canada thistle susceptibility to fungal pathogens", CSU Graduate Student Showcase.
- November 15, 2016, "Flood effects on phreatophytes in the South Platte River system", South Platte Basin Roundtable, Colorado Water Conservation Board.
- October 17, 2016, "Russian Olive Alters Nutrient Cycling in Riparian Ecosystems", 4th Northern Rockies Invasive Plant Council Meeting, Northern Rockies Invasive Plant Council.
- October 13, 2016, "Does leaf morphology differ between native and introduced populations of common mullein?", 2016 Murray Honors Special Research Poster Session, Colorado State University.
- October 6, 2016, "Trends in insect biocontrol releases - 1980 - present", W3185 Western Biological Control Working Group Annual Meeting.
- September 21, 2016, "Do native and introduced populations differ in how they defend their leaves?", Bioagricultural Sciences and Pest Management Department Seminar, Department of Bioagricultural Sciences and Pest Management, Colorado State University.
- September 17, 2016, "Do native and introduced populations differ in how they defend their leaves?", Guild of Rocky Mountain Ecologists and Evolutionary Biologists (GREEBS).
- September 16, 2016, "Flood effects on phreatophytes in the South Platte River system", Presentation to the Phreatophyte subcommittee of the South Platte Basin Roundtable, Colorado Water Conservation Board.
- August 7, 2016, "Differences in native bee assemblages between grazed rangelands and conservation grasslands within eastern Colorado", Ecological Society of America Annual Meeting, Ecological Society of America.
- April 18, 2016, "Does leaf morphology differ between native and introduced populations of common mullein?", Celebrating Undergraduate Research and Creativity (CURC) Showcase, Colorado State University.
- February 24, 2016, "Plant invasions as a novel approach for testing plant defense theory", 22nd Front Range Student Ecology Symposium (FRSES), Colorado State University.
- February 23, 2016, "Epidemiology & Impact of a Rust Fungus on Canada Thistle.", CSU Front Range Student Ecology Symposium.
- February 3, 2016, "Creating a sustainable food future in the face of increasing environmental stress", College of Agricultural Sciences Research Seminar Series.
- November 2015, "Plant plasticity in response to insect herbivory differs between native and introduced populations of *Verbascum thapsus*", 2015 Annual Meeting of the Entomological Society of America,

Entomological Society of America, (Presenter) Endriss, S. B.

November 2015, "Are there predictable differences in how plants defend their leaves?", Graduate Student Showcase, Colorado State University.

August 2015, "Floral plasticity in response to herbivory differs between native and introduced plant populations", 2015 Annual Meeting of the Ecological Society of America, Ecological Society of America, (Presenter) Endriss, S. B., peer-reviewed/refereed.

March 24, 2015, "Constructing a database of biocontrol agents of insect pests", APHIS CPHST, (Presenter) Anderson, A. G.

February 25, 2015, "Floral attractiveness differs between native and introduced *Verbascum thapsus* populations", Graduate Student Showcase, Colorado State University.

November 19, 2014, "Are we getting better at this? An examination of biocontrol establishment and success rates through time.", 62nd Annual Meeting of the Entomological Society of America, (Presenter) Anderson, A., Portland, OR.

November 15, 2014, "Conservation grasslands support diverse native bee assemblages in agroecosystems", Entomological Society of American Annual Meeting, Entomological Society of America, (Presenter) Adrian, C., Portland OR.

October 2014, "Grasslands in Colorado agroecosystems support diverse native bee assemblages", USDA-NIFA AFRI Sustainable Bioenergy Annual Project Director (PD) Meeting, USDA-AFRI, (Presenter) Jamieson, M. A., Washington, DC, peer-reviewed/refereed.

October 2014, "An assessment of US insect biological control introductions from 1979-2009: results from the USDA-ARS ROBO database.", W-3185 Annual Meeting, (Presenter) Anderson, A., Kauai, Hawaii, peer-reviewed/refereed.

September 21, 2014, "Does a shift from specialist to generalist herbivory drive evolution of North American populations of *Verbascum thapsus*?", Guild of Rocky Mountain Ecologists and Evolutionary Biologists (GREEBs), Guild of Rocky Mountain Ecologists and Evolutionary Biologists (GREEBs), (Presenter) Endriss, S. B., Bellvue, CO.

August 13, 2014, "The role of different enemy regimes in the evolution of North American versus European *Verbascum thapsus*", Ecological Society of America Annual Meeting, Ecological Society of America, (Presenter) Endriss, S. B., Sacramento CA.

May 22, 2014, "Are differences between populations of *Verbascum thapsus* explained by a shift from specialist to generalist herbivores?. Poster presentation", 4th International Symposium on Weeds and Invasive Plants, (Presenter) Endriss, S. B., Montpellier, France.

May 22, 2014, "Leaf traits associated with rapid resource acquisition and growth are greater in native than introduced genotypes of an invasive weed", 4th International Symposium on Weeds and Invasive Plants, (Presenter) Alba, C., Montpellier, France.

March 2014, "Ecosystem Impacts of Russian olive and strongly mediated by ecological context", 3rd Northern Rockies Invasive Plant Council Conference: Russian olive and flowering rush symposium, Northern Rockies Invasive Plant Council, (Presenter) Tuttle, G. M., Spokane, WA.

February 19, 2014, "Does the relative composition of specialist versus generalist enemies drive evolution? A

reciprocal common garden experiment using *Verbascum thapsus*", Front Range Student Ecology Symposium, Colorado State University, (Presenter) Endriss, S. B., Fort Collins.

February 18, 2014, "Russian olive's impacts are mediated by environmental heterogeneity", Front Range Student Ecology Symposium, Colorado State University, (Presenter) Tuttle, G. M., Fort Collins CO.

August 4, 2013, "Plains cottonwood and Russian olive response to elevated CO₂, root nodulation and nitrogen fertilization", Ecological Society of America Annual Meeting, Ecological Society of America, (Presenter) Tuttle, G., Portland OR, peer-reviewed/refereed.

May 23, 2013, "Information Literacy = Critical Thinking", 2013 TILT Summer Conference on Learning, Teaching and Critical Thinking, TILT, (Presenter) Bullington, J., Cranston, C., Norton, A. P., Sagas, J., Camper, M. A., Mackie, A., Colorado State University.

April 27, 2013, "Managing the pressures and priorities of graduate school", Graduate School Professional Series Mini-Conference: Striking a Balance and Leaping into Your Future, Fort Collins.

2011, "Estimating target and non-target effects of *Diorhabda carinulata*, a biological control agent of *Tamarix* in North America. Norton, AP, Williams, W, Thuis, A, Hardin, J. 13th International Symposium on the Biological Control of Weeds, Waikoloa, Hawaii.", (Presenter) Norton, A. P., Hawaii, peer-reviewed/refereed.

2011, "Williams, W.I. and A.P. Norton. 2011. The interaction between drought and herbivory by a biological control agent on populations of the invasive shrub *Tamarix* sp. 13th International Symposium on the Biological Control of Weeds, Waikoloa, Hawaii.", peer-reviewed/refereed.

2011, "Williams, W.I., A.P. Norton, J. Friedman, J. Gaskin, and B. Li. 2011. Differences in growth and herbivore resistance in hybrid populations of the invasive tamarisk (*Tamarix* sp.) in the western United States. 13th International Symposium on the Biological Control of Weeds, Waikoloa, Hawaii.", peer-reviewed/refereed.

2011, "Williams, W.I., A.P. Norton, J. Friedman, J. Gaskin, and B. Li. 2011. Hybridization of tamarisk (*Tamarix* sp.) explains differences in herbivore damage by the biological control agent, *Diorhabda carinulata*. W2185 annual meeting, Estes Park, Colorado".

2011, "Williams, W.I., J. Gaskin, J. Friedman, and A.P. Norton. 2011. Evolution of *Tamarix* spp. influences the outcome of a biological control system. Entomological Society of America 59th Annual Meeting, Reno, Nevada", peer-reviewed/refereed.

2010, "Norton, AP. 2010. Evaluating *Diorhabda carinulata* releases against *Tamarix* spp. in Colorado. 19th High Altitude Revegetation Workshop. March 2 - 4."

2010, "Norton, AP. 2010. Re-introducing *Rhinusa linariae* for yellow toadflax. The 2nd Conference on Invasive

Species in Natural Areas, sponsored by the Northern Rockies Invasive Plant Council. October 25-29, Coeur d Alene, ID."

2010, "Williams, W. Norton, A. 2010. Drought and herbivory interact on populations of the invasive weed Tamarix sp. Entomological Society of America 58th Annual Meeting. November 12-15, San Diego, CA."

2010, "Williams, WI Norton, AP and Tisserat, N. 2010. A native herbivore and its associated fungi may inhibit the invasive plant tamarisk. Front Range Student Ecology Symposium (FRSES), Fort Collins, Colorado".

OTHER ACTIVITIES/ACCOMPLISHMENTS – PUBLICATIONS/SCHOLARLY RECORD

(June 2016). Conference Attendance, "National Conference on Race and Ethnicity in Higher Education in America," San Francisco, CO, United States. Approximate Number of Hours Spent Per Year: 40.

(January 11, 2016). Continuing Education Program, "Simple Steps to Measure the Effectiveness of Teaching Innovation," CSU PDI, Fort Collins, CO, United States.

(January 11, 2016). Continuing Education Program, "Teaching effectiveness: tips on pursuing excellence in teaching and learning," CSU PDI, Fort Collins, CO, United States. Approximate Number of Hours Spent Per Year: 2.

(November 2015). Professional Meeting, "W3185 - Biological Control in the Western US," Bozeman, MT, United States. Approximate Number of Hours Spent Per Year: 16.

(November 2014). Conference Attendance, "2014 Entomological Society of America Annual Meeting," Entomological Society of America, Portland, OR.

(October 2014). Professional Meeting, "W3185 Biological Control in the Western US," Poipu, Kauai.

(September 29, 2014). Workshop, "Global Learning: Interactive Course and Curriculum Design," Office of International Programs, Colorado State University, United States.

(November 2013). Conference Attendance, "2013 Entomological Society of America Annual Meeting," Entomological Society of America, Austin, TX.

(October 2013). Professional Meeting, "W3185 Biological Control in the Western US," Jackson, WY.

(October 19, 2013 - October 21, 2013). Continuing Education Program, "FastTrack Leadership Intensive," FastTrack, Inc., Chapel Hill, NC. Approximate Number of Hours Spent Per Year: 30.

(May 23, 2013). Continuing Education Program, "2013 TILT Summer Conference on Learning, Teaching and Critical Thinking," TILT - CSU.

TEACHING:

<u>Year</u>	<u>Semester</u>	<u>Course No./Title</u>	<u>Cr. Hrs.</u>	<u>Enrollment</u>
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2017	Fall	BSPM500 - Foundations of Bioagricultural Sciences	2	8
2017	Spring	BSPM799 - Dissertation	13	5
2017	Spring	AGRI116 - Plants and Civilizations (GT-SS3)	3	126
2017	Spring	AGRI116 - Plants and Civilizations (GT-SS3)	3	23
2017	Spring	IE116 - Plants and Civilizations (GT-SS3)	3	100
2017	Spring	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	13
2017	Spring	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	13
2017	Spring	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	10
2017	Spring	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	13
2017	Spring	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	9
2017	Spring	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	8
2017	Spring	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	9
2017	Spring	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	9
2017	Spring	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	12
2017	Spring	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	14
2017	Spring	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	10
2017	Spring	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	7
2017	Spring	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	1
2017	Spring	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	1
2017	Spring	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	0
2017	Spring	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	2
2017	Spring	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	3
2017	Spring	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	2
2017	Spring	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	4
2017	Spring	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	0
2017	Spring	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	4
2017	Spring	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	6
2017	Spring	IE116 - Plants and Civilizations (GT-SS3) - Recitation	0	10
2017	Spring	IE116 - Plants and Civilizations (GT-SS3) - Recitation	0	12
2017	Spring	IE116 - Plants and Civilizations (GT-SS3) - Recitation	0	5
2017	Spring	IE116 - Plants and Civilizations (GT-SS3) - Recitation	0	8
2017	Spring	IE116 - Plants and Civilizations (GT-SS3) - Recitation	0	10
2017	Spring	IE116 - Plants and Civilizations (GT-SS3) - Recitation	0	12
2017	Spring	IE116 - Plants and Civilizations (GT-SS3) - Recitation	0	9
2017	Spring	IE116 - Plants and Civilizations (GT-SS3) - Recitation	0	10
2017	Spring	IE116 - Plants and Civilizations (GT-SS3) - Recitation	0	3
2017	Spring	IE116 - Plants and Civilizations (GT-SS3) - Recitation	0	2
2017	Spring	IE116 - Plants and Civilizations (GT-SS3) - Recitation	0	10
2017	Spring	IE116 - Plants and Civilizations (GT-SS3) - Recitation	0	9
2017	Spring	ECOL698 - Research	159	46
2017	Spring	BSPM784 - Supervised College Teaching	3	2
2016	Fall	BSPM799 - Dissertation	18	3
2016	Fall	BSPM500 - Foundations of Bioagricultural Sciences	2	15
2016	Spring	ECOL799 - Dissertation	18	21
2016	Spring	AGRI116 - Plants and Civilizations (GT-SS3)	3	115
2016	Spring	AGRI116 - Plants and Civilizations (GT-SS3)	3	45
2016	Spring	IE116 - Plants and Civilizations (GT-SS3)	3	112
2016	Spring	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	13
2016	Spring	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	13
2016	Spring	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	13
2016	Spring	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	7
2016	Spring	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	7
2016	Spring	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	6

2015	Fall	IE116 - Plants and Civilizations (GT-SS3) - Recitation	0	12
2015	Fall	IE116 - Plants and Civilizations (GT-SS3) - Recitation	0	11
2015	Fall	IE116 - Plants and Civilizations (GT-SS3) - Recitation	0	9
2015	Fall	IE116 - Plants and Civilizations (GT-SS3) - Recitation	0	11
2015	Fall	AGRI116 - Plants and Civilizations (GT-SS3) -Recitation	0	11
2015	Fall	AGRI116 - Plants and Civilizations (GT-SS3) -Recitation	0	10
2015	Fall	AGRI116 - Plants and Civilizations (GT-SS3) -Recitation	0	11
2015	Fall	AGRI116 - Plants and Civilizations (GT-SS3) -Recitation	0	13
2015	Fall	AGRI116 - Plants and Civilizations (GT-SS3) -Recitation	0	12
2015	Fall	IE116 - Plants and Civilizations (GT-SS3)-Recitation	0	11
2015	Spring	BSPM799 - Dissertation	18	2
2014	Fall	BSPM799 - Dissertation	18	5
2014	Fall	BSPM596 - Group Study	3	1
2014	Spring	BSPM799 - Dissertation	18	5
2014	Spring	BSPM495 - Independent Study	3	5
2014	Spring	AGRI116 - Plants and Civilizations (GT-SS3)	3	128
2014	Spring	IE116 - Plants and Civilizations (GT-SS3)	3	98
2014	Spring	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	15
2014	Spring	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	12
2014	Spring	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	15
2014	Spring	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	14
2014	Spring	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	14
2014	Spring	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	14
2014	Spring	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	14
2014	Spring	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	15
2014	Spring	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	15
2014	Spring	IE116 - Plants and Civilizations (GT-SS3) - Recitation	0	13
2014	Spring	IE116 - Plants and Civilizations (GT-SS3) - Recitation	0	13
2014	Spring	IE116 - Plants and Civilizations (GT-SS3) - Recitation	0	3
2014	Spring	IE116 - Plants and Civilizations (GT-SS3) - Recitation	0	7
2014	Spring	IE116 - Plants and Civilizations (GT-SS3) - Recitation	0	14
2014	Spring	IE116 - Plants and Civilizations (GT-SS3) - Recitation	0	14
2014	Spring	IE116 - Plants and Civilizations (GT-SS3) - Recitation	0	11
2014	Spring	IE116 - Plants and Civilizations (GT-SS3) - Recitation	0	14
2014	Spring	IE116 - Plants and Civilizations (GT-SS3) - Recitation	0	9
2014	Spring	BSPM784 - Supervised College Teaching	3	1
2013	Fall	BSPM799 - Dissertation	18	4
2013	Spring	AGRI116 - Plants and Civilizations (GT-SS3)	3	117
2013	Spring	IE116 - Plants and Civilizations (GT-SS3)	3	102
2013	Spring	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	13
2013	Spring	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	13
2013	Spring	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	12
2013	Spring	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	13
2013	Spring	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	14
2013	Spring	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	12
2013	Spring	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	15
2013	Spring	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	13
2013	Spring	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	12
2013	Spring	IE116 - Plants and Civilizations (GT-SS3) - Recitation	0	14
2013	Spring	IE116 - Plants and Civilizations (GT-SS3) - Recitation	0	13
2013	Spring	IE116 - Plants and Civilizations (GT-SS3) - Recitation	0	12
2013	Spring	IE116 - Plants and Civilizations (GT-SS3) - Recitation	0	11
2013	Spring	IE116 - Plants and Civilizations (GT-SS3) - Recitation	0	14

2013	Spring	IE116 - Plants and Civilizations (GT-SS3) - Recitation	0	12
2013	Spring	IE116 - Plants and Civilizations (GT-SS3) - Recitation	0	7
2013	Spring	IE116 - Plants and Civilizations (GT-SS3) - Recitation	0	14
2013	Spring	IE116 - Plants and Civilizations (GT-SS3) - Recitation	0	5
2013	Spring	BSPM792 - Seminar	2	9
2013	Spring	BSPM784 - Supervised College Teaching	3	2
2013	Spring	BSPM699 - Thesis	18	6
2012	Fall	BSPM495 - Independent Study	3	6
2012	Fall	ECOL698 - Research	18	55
2012	Fall	BSPM492 - Seminar	3	2
2012	Fall	BSPM792 - Seminar	2	8
2012	Spring	BSPM799 - Dissertation	18	7
2012	Spring	BSPM495 - Independent Study	3	3
2012	Spring	AGRI116 - Plants and Civilizations (GT-SS3)	3	142
2012	Spring	IE116 - Plants and Civilizations (GT-SS3)	3	111
2012	Spring	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	12
2012	Spring	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	11
2012	Spring	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	12
2012	Spring	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	11
2012	Spring	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	12
2012	Spring	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	12
2012	Spring	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	13
2012	Spring	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	12
2012	Spring	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	12
2012	Spring	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	11
2012	Spring	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	12
2012	Spring	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	12
2012	Spring	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	12
2012	Spring	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	10
2012	Spring	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	10
2012	Spring	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	11
2012	Spring	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	12
2012	Spring	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	11
2012	Spring	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	12
2012	Spring	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	3
2012	Spring	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	3
2012	Spring	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	8
2012	Spring	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	7
2012	Spring	ECOL698 - Research	18	58
2011	Fall	BSPM799 - Dissertation	18	7
2011	Fall	ECOL592 - Interdisciplinary Seminar in Ecology	3	12
2011	Fall	ECOL698 - Research	18	45
2011	Fall	BSPM784 - Supervised College Teaching	3	2
2011	Spring	AGRI116 - Plants and Civilizations (GT-SS3)	3	124
2011	Spring	IE116 - Plants and Civilizations (GT-SS3)	3	90
2011	Spring	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	15
2011	Spring	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	13
2011	Spring	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	13
2011	Spring	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	15
2011	Spring	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	15
2011	Spring	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	13
2011	Spring	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	14

2010	Spring	IE116 - Plants and Civilizations (GT-SS3) - Recitation	0	13
2009	Fall	BSPM596 - Group Study	3	4
2009	Fall	BSPM495 - Independent Study	3	2
2009	Fall	AGRI116 - Plants and Civilizations (GT-SS3)	3	131
2009	Fall	IE116 - Plants and Civilizations (GT-SS3)	3	129
2009	Fall	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	18
2009	Fall	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	13
2009	Fall	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	16
2009	Fall	IE116 - Plants and Civilizations (GT-SS3) - Recitation	0	10
2009	Fall	IE116 - Plants and Civilizations (GT-SS3) - Recitation	0	10
2009	Fall	IE116 - Plants and Civilizations (GT-SS3) - Recitation	0	39
2009	Fall	IE116 - Plants and Civilizations (GT-SS3) - Recitation	0	18
2009	Fall	IE116 - Plants and Civilizations (GT-SS3) - Recitation	0	11
2009	Fall	IE116 - Plants and Civilizations (GT-SS3) - Recitation	0	16
2009	Fall	IE116 - Plants and Civilizations (GT-SS3) - Recitation	0	11
2009	Fall	AGRI116 - Plants and Civilizations (GT-SS3) -Recitation	0	19
2009	Fall	AGRI116 - Plants and Civilizations (GT-SS3) -Recitation	0	13
2009	Fall	AGRI116 - Plants and Civilizations (GT-SS3) -Recitation	0	19
2009	Fall	AGRI116 - Plants and Civilizations (GT-SS3) -Recitation	0	14
2009	Fall	AGRI116 - Plants and Civilizations (GT-SS3) -Recitation	0	19
2009	Fall	IE116 - Plants and Civilizations (GT-SS3)-Recitation	0	14
2009	Fall	BSPM698 - Research	18	9
2009	Fall	BSPM798 - Research	18	10
2009	Fall	BSPM584 - Supervised College Teaching	3	1
2009	Spring	BSPM487 - Internship	18	1
2009	Spring	AGRI116 - Plants and Civilizations (GT-SS3)	3	124
2009	Spring	IE116 - Plants and Civilizations (GT-SS3)	3	116
2009	Spring	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	15
2009	Spring	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	14
2009	Spring	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	14
2009	Spring	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	14
2009	Spring	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	14
2009	Spring	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	14
2009	Spring	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	13
2009	Spring	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	15
2009	Spring	AGRI116 - Plants and Civilizations (GT-SS3) - Recitation	0	11
2009	Spring	IE116 - Plants and Civilizations (GT-SS3) - Recitation	0	11
2009	Spring	IE116 - Plants and Civilizations (GT-SS3) - Recitation	0	16
2009	Spring	IE116 - Plants and Civilizations (GT-SS3) - Recitation	0	13
2009	Spring	IE116 - Plants and Civilizations (GT-SS3) - Recitation	0	15
2009	Spring	IE116 - Plants and Civilizations (GT-SS3) - Recitation	0	13
2009	Spring	IE116 - Plants and Civilizations (GT-SS3) - Recitation	0	14
2009	Spring	IE116 - Plants and Civilizations (GT-SS3) - Recitation	0	14
2009	Spring	IE116 - Plants and Civilizations (GT-SS3) - Recitation	0	14
2009	Spring	IE116 - Plants and Civilizations (GT-SS3) - Recitation	0	6
2009	Spring	BSPM698 - Research	18	8
2009	Spring	BSPM784 - Supervised College Teaching	3	1
2008	Fall	BSPM302 - Applied and General Entomology	2	111
2008	Fall	ECOL799 - Dissertation	18	12
2008	Fall	BSPM798 - Research	18	11
2008	Fall	BSPM584 - Supervised College Teaching	3	2
2008	Spring	ECOL799 - Dissertation	18	14
2008	Spring	BSPM487 - Internship	18	1

2007	Fall	BSPM302 - Applied and General Entomology	2	89
2007	Fall	ECOL799 - Dissertation	18	18

Guest Lectures:

<u>Year</u>	<u>Semester</u>	<u>Course No./Title</u>	<u># of Guest Lectures</u>	<u>Delivery Mode</u>
2015	Fall	Bioag'l Sci & Pest Mgmt-BSPM581A1 - BSPM Foundations	1	Face to Face
2015	Fall	Horticulture-HORT462 - Viticulture	1	
2015	Spring	Bioag'l Sci & Pest Mgmt-BSPM451/551 - Integrated Pest Management	1	Face to Face
2013	Fall	Horticulture-HORT462 - Viticulture	1	
2013	Spring	Bioag'l Sci & Pest Mgmt-BSPM451/551 - Integrated Pest Management	2	Face to Face

Evidence of Teaching Effectiveness (Annual Input)

Other Evidence

Spring 2013, AGRI 116–Plants and Civilizations (GT-SS3)

Spring 2013, IE 116–Plants and Civilizations (GT-SS3)

Spring 2012, AGRI 116–Plants and Civilizations (GT-SS3)

Spring 2012, IE 116–Plants and Civilizations (GT-SS3)

Tenure and Promotion Evidence of Teaching Effectiveness (Tenure and Promotion Input)

Development of New Courses

Development of New Teaching Techniques

Integration of Service Learning

Conference/Workshop Assessments

Participant - Evaluating ACUE's Course in Effective Teaching Practices. Fall 2016.

This is a new tool that CSU may employ to help new faculty develop effective teaching strategies. I was part of a panel of about 30 CSU professors charged assessing this new course.

Participation in Professional Development Activities Related to Teaching

Fall, 2015 - Present: College of Agricultural Sciences Master Teacher Initiative Coordinator. Selected and posted 1 teaching tip each week.

Organized 5 Master Teacher Seminars in 2016:

- Engaging students in large enrollment courses (presented by Ruth Hufbauer)

- Evaluating teaching effectiveness (presented by Erica Suchman and Meena Balgopal)
- Nurturing student research skills: Reflections of a growing library partnership (presented by Neyda Gilman and Jimena Sagas)
- What I learned at NCORE: College of Agricultural Science participants at the National Conference for Race and Ethnicity in Higher Education (presented by Arathi Seshadri, Tim Jedra, Andrew Norton, Shannon Archibeque-Engle, Mike Martin)
- Supporting First Generation and Historically Underrepresented Students (presented by Lucia Delgado)

Attended the 2016 TILT Summer Conference on Learning, Teaching and Critical Thinking.

Professional Consultation Related to Teaching

Consultations with Kirk Broders (assisted in preparing tenure package), Todd Gaines, Franck Dayan, Scott Nissen

Other Evidence

EXTENSION/ENGAGEMENT ACTIVITIES/ACCOMPLISHMENTS

Field Day

Effects of Russian olive removal on species diversity. Adult, Barr Lake, Colorado. Number of times program was made: 1. Total number of participants: 150. Percent Responsible: 75%. 4th Quarter 2014.

Presentation

Weed biological control. Adult, Loveland, Co. Number of times program was made: 1. Total number of participants: 40. Percent Responsible: 100%. 2nd Quarter 2014.

Environmental impact and management of Russian olive. Colorado Springs, CO. Total number of participants: 350. Percent Responsible: 100%. 2013.

Introduction to weed biological control. Fort Collins, CO. Number of times program was made: 1. Total number of participants: 300. Percent Responsible: 100%. 2013.

Workshop

Weed Biological Control. Loveland, CO. Number of times program was made: 1. Total number of participants: 40. Percent Responsible: 100%. 2013.

COMMITTEES

CAS Diversity Catalyst Team, (November 2017 - Present).

Mater Teacher Initiative coordinator, (August 2015 - Present).

NSF Global Invasions Research Coordination Network.

NSF Global Invasions Research Coordination Network.

Toadflax Biological Control Consortium.

USDA-APHIS-PPQ Center for Plant Health, Science and Technology.

W2185 Committee.

Development of an Undergraduate Major, (August 2017 - Present).

BSPM Executive Committee, (August 2015 - Present).

Toadflax Biological Control Consortium, Chair (USA)., (2006 - Present).

USDA-APHIS-PPQ Center for Plant Health, Science, and Technology, National Weed Management Laboratory, (2005 - Present).

BSPM Education Committee, (August 2014 - September 2017).

BSPM Strategic Visioning Committee, (November 2015 - October 2016).

Program Committee Co-Chair, Entomological Society of America Annual Meeting., (2011 - 2012).

Entomological Society of America Annual Meeting, (2010 - 2011).

PROFESSIONAL AFFILIATIONS AND ACTIVITIES

Entomological Society of America.

Entomological Society of America.

Entomological Society of America.

Entomological Society of America.

TILT - Let's talk teaching program. (2009 - Present).

Committee Chair, Education Committee. (2005 - Present).

Invasive Species Research site. (2002 - Present).

Reviewer, Grant Proposal, USDA-NIFA-AFRI, Washington, DC. (September 8, 2014 - September 12, 2014).

ISBCW, Waikoloa, HI. (April 2013 - December 2013).

Reviewer, Grant Proposal, USDA-NIFA-AFRI, Washington, DC. (2013).

Member, Executive Committee. (2011 - 2013).

Member, Faculty Council. (2010 - 2013).

Committee Chair, Entomological Society of America. (November 2011 - November 2012).

W 2185, Estes Park, CO. (July 2012 - October 2012).

Committee Chair, Entomological Society of America Annual Meeting. (November 2010 - November 2011).

W 2185, Coeur d'Alene, ID. (February 2011).

Member, College Code Committee. (January 2010 - December 2010).

Committee Member, Entomological Society of America Annual Meeting. (November 2009 - October 2010).

Member, Selection Committee - University Distinguished Teaching Scholars. (February 2009 - June 2009).

Member, Selection Committee - University Distinguished Teaching Scholars. (January 2008 - December 2008).

OTHER ACTIVITIES/ACCOMPLISHMENTS – SERVICE/OUTREACH

CSU Maxwell Ranch.
