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EDUCATION

- 2002 Ph.D.**, Ecology, University of California, Davis.
Dissertation: Effects of Substrate Salinity on Rose Stem Elongation. Advisor: Dr. J. Heinrich Lieth
- 1998 Certificate**, Program in College Teaching, University of California, Davis
- 1976 Master of Science**, Plant Sciences, University of California, Riverside. Research topic: Role of Chromosomal Proteins in Cell Differentiation. Advisor: Dr. Toshio Murashige
- 1974 Bachelor of Science**, Ornamental Horticulture, California Polytechnic State University, San Luis Obispo. Senior Project: A review of Literature: The Tissue Culture of Woody Ornamentals. Advisor: Dr. Howard Brown.

RESEARCH EXPERIENCE

Doctoral Research, UC Davis, 1995-2002

Developed methods to measure plant stem elongation rates and near real time measurement of soil moisture electrical conductivity. Studied diurnal patterns in rose stem elongation. Applied these methods and knowledge to quantify the short term effects of substrate salinity changes on rose stem elongation.

PI: J. Heinrich Lieth, Department of Environmental Horticulture

Post Graduate Researcher, UC Davis, 1994-95

Demonstrated the use of soil moisture tension-based irrigation control of roses grown for cut-flower production. Measured impacts including reduction in water use, increased crop productivity, and crop quality improvement.

PI: J. Heinrich Lieth, Department of Environmental Horticulture

Masters Research, UC Riverside, 1974-78

Induced mutations of tobacco callus cells to develop DNA base analog resistant strains for use as genetic markers. Studied the roles of nonhistone chromosomal proteins in cell differentiation.

PI: Toshio Murashige, Department of Botany and Plant Sciences

AREA OF RESEARCH EXPERTISE

Measuring effectiveness slow sand and vegetated filters to remove plant pathogens from runoff water. Modeling nursery hydrology, including irrigation use and runoff volumes, and water treatment methods to remove plant pathogens. Developing isothermal microcalorimetry as a method to assess plant salinity tolerance. Quantifying water use of landscape plants. Assessing water use and runoff in landscape and production horticulture systems. Monitoring and characterizing runoff from residential sources. Measuring impacts of irrigating landscape plants with low quality water.

RESEARCH GRANTS

- A System Nitrogen Balance for Container Plant Production. Principle Investigator. California Association of Nurseries and Garden Centers. 2017-18. \$15,000.
- Utilizing microcalorimetry for the rapid assessment of plant salinity tolerance. Principle Investigator. California Association of Nurseries and Garden Centers. 2017-18. \$15,000.
- University of California Nursery and Floriculture Alliance Fertilizers and Plant Nutrition Education Program. CA Dept. of Food and Agriculture Fertilizer Research and Education Program. 2017-2018. Awarded, agreement pending. \$129,687.
- Landscape Plant Performance: Water Use and Disease Resistance Assessments and New Cultivar Selections. Principle Investigator. CA Dept. of Food and Agriculture Specialty Crops Block Grant Program. 2016-2019. Agreement No. SCB16045. \$309,348.
- Training Pesticide Control Operators (PCOs) and PCO companies in urban pyrethroid applications. Principle Investigator. CA Dept. of Pesticide Regulation. 2016-2018. Agreement No. 15-C0056. \$208,191.
- Growth rates and morphological and physiological traits of riparian tree species under modified flow regimes. Principle Investigator. USDA FS. 2016-2017. \$15,000.
- Increasing recycled water use at nurseries through evaluation of water and contaminant treatment technologies. Principle Investigator. California Association of Nurseries and Garden Centers. 2016-17. \$15,000.
- Developing landscape establishment irrigation regimes for California native species. Karrie Reid, UCCE San Joaquin County, Principle Investigator. California Association of Nurseries and Garden Centers. 2016-17. \$15,000 (\$7,534 LRO portion).
- Developing irrigation guidelines for the establishment of California native plants in the landscape with plant stress measurements- Year 2. Karrie Reid, UCCE San Joaquin County, Principle Investigator. Saratoga Horticultural Research Endowment. 2016-17. \$13,000 (\$8,837 LRO portion).
- Ornamental plant trials for the new California garden: Evaluating new landscape plants for sustainable characteristics on reduced water. Karrie Reid, UCCE San Joaquin County, Principle Investigator. Saratoga Horticultural Research Endowment. 2015-16. \$12,500.
- Clean Water3 - Reduce, Remediate, Recycle - Enhancing alternative water resources availability and use to increase profitability in specialty crops. Sarah White, Clemson University, Principle Investigator. USDA ARS FNRI Grant Program. 2014-2019. Total \$8,734,105 (Subaward No. 1759-207-2020386. \$584,992 LRO portion).
- Microcalorimetry for rapid assessment of crop salinity tolerance. Principle Investigator. California Department of Water Resources. 2014-17. Agreement 46000010434. \$199,673.
- Combined vegetated and slow sand filters to disinfect irrigation runoff for reuse. Principle Investigator. California Department of Water Resources. 2014-17. Agreement 46000010446. \$199,878.
- Rapid assessment of salinity tolerance utilizing microcalorimetry, stomatal conductance, and chlorophyll fluorescence. Principle Investigator. California Association of Nurseries and Garden Centers. 2014-15. \$15,000.

RESEARCH GRANTS, CONTINUED

- Developing irrigation guidelines for the establishment of California native plants in the landscape with plant stress measurements. Karrie Reid, UCCE San Joaquin County, Principle Investigator. Saratoga Horticultural Research Endowment. 2014-15. \$7,365.
- Ornamental plant trials for the new California garden: Evaluating new landscape plants for sustainable characteristics on reduced water and across climate zones. Karrie Reid, UCCE San Joaquin County, Principle Investigator. Saratoga Horticultural Research Endowment. 2014-15. \$25,000.
- Irrigation management efficiency in nurseries. UC ANR Nursery and Floriculture Alliance workshops and conferences. Principle Investigator. California Department of Water Resources. 2014. Agreement #417-604257. \$20,438.
- Urban runoff monitoring (Contract for services). Principle Investigator. CA Dept. of Pesticide Regulation. 2013-2018. Agreement No. 13-C0052 A-2. Additional \$44,788.
- Microcalorimetry for rapid assessment of specialty crop salinity tolerance. Principle Investigator. California Department of Food and Agriculture Specialty Crops Block Grant Program. 2013-2016. Agreement No. SCB13052. \$354,027.
- Urban runoff monitoring (Contract for services). Principle Investigator. CA Dept. of Pesticide Regulation. 2013-2014. Agreement No. 13-C0052 A-1. Additional \$88,237.
- Microcalorimetry for rapid assessment of plant salinity tolerance. Principle Investigator. California Association of Nurseries and Garden Centers. 2013-14. \$12,000.
- Biological filtration of diseases and pests from irrigation runoff using slow sand filters. Principle Investigator. California Association of Nurseries and Garden Centers. 2013-14. \$12,000.
- Urban runoff monitoring (Contract for services). Principle Investigator. California Department of Pesticide Regulation. 2013-14. Agreement No. 13-C0052. \$67,875.
- Continued evaluations of the water use and climate zone tolerance of landscape ornamentals for sustainable California gardens. Karrie Reid, UCCE San Joaquin County, Principle Investigator. 2012-2013. Saratoga Horticultural Research Foundation. \$15,000 total (\$0 LRO portion).
- Urban runoff monitoring (Contract for services). Principle Investigator. CA Dept. of Pesticide Regulation. 2011-2013. Amendment to Agreement No. 10-C0103 A-1. Additional \$50,000.
- Removal of pathogens and pests from irrigation runoff using slow sand and vegetated filters. Darren Haver, UCCE Orange County, Principle Investigator. California Association of Nurseries and Garden Centers. 2012-2013. \$12,000.
- Continued evaluations of the water use and climate zone tolerance of landscape ornamentals for sustainable California gardens. Karrie Reid, UCCE San Joaquin County, Principle Investigator. California Association of Nurseries and Garden Centers. 2012-2013. \$12,000 total (\$9,702 LRO portion).
- Urban runoff monitoring (Contract for services). Principle Investigator. California Department of Pesticide Regulation. 2011-13. Agreement No. 10-C0103. \$185,665.
- Expanding evaluations of the water use and climate zone tolerance of landscape ornamentals for sustainable California gardens. Karrie Reid, UCCE San Joaquin County, Principle Investigator. Saratoga Horticultural Research Foundation. 2011-2012. \$15,000 total (\$7,624 LRO portion).

RESEARCH GRANTS, CONTINUED

- Containment, Remediation, and Recycling of Irrigation Water for Sustainable Ornamental Crop Production. Sarah White, Clemson Univ, Principle Investigator. USDA Specialty Crops Research Initiative. 2011-2012. NIFA Award Notification 2011-51181-30633. \$50,000 total, LRO portion unspecified amount for travel and expenses.
- Removal of pathogens and pests from irrigation runoff using slow sand and vegetated filters. Principle Investigator. California Association of Nurseries and Garden Centers. 2011-2012. \$10,000.
- Evapotranspiration adjustment factor study. D.W Fujino, California Center for Urban Horticulture, UC Davis. Principle Investigator, Department of Water Resources contract for services. 2010-2013. Agreement No. 4600008156. Total award: \$450,000 (\$18,000 LRO portion).
- Unified Production Nursery Systems Approach for Integrated Pest Management (IPM) and Best Management Practices. D.W Fujino, California Center for Urban Horticulture, UC Davis. Principle Investigator. California Association of Nurseries and Garden Centers. 2010-2013. \$296,603.
- Evaluating the water usage, climate zone tolerance, and salinity tolerance of ornamental plants for sustainable landscapes. Principle Investigator. California Association of Nurseries and Garden Centers. 2010-2011. \$15,000.
- Control of plant-parasitic nematodes and root diseases in ornamental production systems. Principle Investigator. USDA ARS FNRI Grant Program. 2009-12. Agreement No. 58-5306-788 Amendment 6. \$61,218.
- Minimizing water use and fertilizer loss in California container nurseries by precision control. Michael Delwiche, Dept. of Biological and Agricultural Engineering, UC Davis, Principle Investigator. CDFA Specialty Crops Block Grant Program. Agreement No. SBC09012. 2009-12. \$304,835 (\$77,800 LRO portion).
- Evaluating the water usage and climate zone tolerances of potential “UC Davis Arboretum All-Stars” plant introductions for shade-Year two. Principle Investigator. Saratoga Horticultural Research Foundation. 2009-2010. \$15,000.
- Evaluations of UC Davis Arboretum All Stars Plant Introductions. Principle Investigator. California Association of Nurseries and Garden Centers (CANGC). 2009-2010. \$10,000.
- Evaluating the Water Usage and Climate Zone Tolerances of Potential “UC Davis Arboretum All-Stars” Plant Introductions for Shade. Principle Investigator. Saratoga Horticultural Research Foundation. 2008-2009. \$15,000.
- Evaluating BMP effectiveness to reduce volumes and improve quality of runoff from urban environments. Principle Investigator. CA State Water Resources Control Board. Agreement No. 04-231-550-0. 2005-11. \$2,900,350.
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SELECTIONS PRIOR TO REVIEW PERIOD:

Evaluating the water usage and climate zone tolerances of potential UC Davis Arboretum All-Stars plant introductions. Principle Investigator. Elvinia J. Slosson Endowment. 2007-08. \$31,828.

Determining the tolerance of coast redwood, *Sequoia sempervirens* 'Aptos Blue', to Na⁺, and Cl⁻. Principle Investigator. Santa Clara Valley Water District. 2005-07. \$104,760 and 2006-07, \$50,440.

Optimizing slow sand filters to remove plant pathogens from irrigation runoff for reuse. Principle Investigator. Fred C. Gloeckner Foundation. \$12,000. 2006-07.

PUBLICATIONS, PEER REVIEWED

- Bale, A.E., S.E. Greco, B.J.L. Pitton, D.L. Haver, and **L.R. Oki**. **In Revision**. Pollutant Loading from Low Density Residential Neighborhoods in California. *Environmental Monitoring and Assessment*.
- Toor, G. S., M.L. Occhipinti, Y. Yang, T. Majcherek, D. Haver, and **L. Oki**. **In Revision**. Managing urban runoff in residential neighborhoods: Nitrogen and phosphorus in lawn Irrigation driven residential runoff. *PLOS ONE*.
- López Serna, R., N. Phu, **L. Oki**, L. Wu. **In Review**. Slow sand filtration as a successful treatment for the removal of compounds of emerging concern – A pilot scale study. *Science of the Total Environment*.
- Majsztrik, J.C., R.T. Fernandez, J.S. Owen, P.R. Fisher, D.R. Hitchcock, J.D. Lea-Cox, **L.R. Oki**, and S.A. White. 2017. Water use and treatment in containerized specialty crop production: A review. *Water, Air, & Soil Pollution*. 228:151. DOI:10.1007/s11270-017-3272-1
- Oki, L.R.**, S. Bodaghi, E. Lee, D. Haver, B. Pitton, L. Nackley, and Mathews, D.M. 2017. Elimination of Tobacco Mosaic Virus from Irrigation Runoff Using Slow Sand Filtration. *Scientia Horticulturae*. 217(2017):107-113. DOI: 10.1016/j.scienta.2017.01.036.
- Oki, L.R.**, K. Reid, and J. Sisneroz. 2016. Landscape plant irrigation trials. *Acta Horticulturae*. 1140: 145-150. DOI: 10.17660/ActaHortic.2016.1140.31.
- Oki, L.R.**, L.L. Nackley, and B. Pitton. 2016. Slow sand filters: a biological treatment method to remove plant pathogens from nursery runoff. *Acta Horticulturae*. 1140:139-144. DOI: 10.17660/ActaHortic.2016.1140.30.
- Nackley, L.L., J.H. Jeong, **L.R. Oki**, and S.-H. Kim. 2016. Photosynthetic acclimation, biomass allocation, and water use efficiency of garlic in response to carbon dioxide enrichment and nitrogen fertilization. *Journal American Society of Horticultural Science*. 141(4):1-8.
- Pitton, B.J.L., L.L. Dodge, J. Gan, S.E. Greco, D.L. Haver, E. Lee, T.J. Majcherek, **L.R. Oki**. 2016. Comparison of pollutant concentrations from weekly discrete versus composite samples for residential dry-weather runoff. *Journal of Environmental Management*. 180(15): 10–16. DOI:10.1016/j.jenvman.2016.05.011.
- Reid, K. and **L.R. Oki**. 2016. Evaluation of ornamental plant performance on four deficit irrigation levels: working with industry to promote sustainable plant choices for summer-dry regions. *Acta Horticulturae*. 1112:155-162. DOI: 10.17660/ActaHortic.2016.1112.22.
- Hartin, J., **L. Oki**, D. Fujino, and B. Faber. 2015. Keeping plants alive under drought or water restrictions. University of California Agriculture and Natural Resources Publication 8553. 9pp. <http://anrcatalog.ucanr.edu/pdf/8553.pdf>.
- Hayden, L., M. Cadenasso, D. Haver and **L. Oki**. 2015. Residential landscape aesthetics and water conservation best management practices: Homeowner perceptions and preferences. *Landscape and Urban Planning*. 144(2015):1-9. DOI: 10.1016/j.landurbplan.2015.08.003.
- Nackley, L.L., C. Barnes, and **L.R. Oki**. 2015. Investigating the impacts of recycled water on long-lived conifers. *AoB Plants* 7: plv035. DOI: 10.1093/aobpla/plv035.
- Reano, D.C., D.L. Haver, **L.R. Oki**, and M.V. Yates. 2015. Long-term characterization of residential runoff and assessing potential surrogates of fecal indicator organisms. *Water Research* 74:67-76. DOI: 10.1016/j.watres.2015.01.022

PUBLICATIONS, PEER REVIEWED CONTINUED

- Coates, R.W., M.J. Delwiche, R.Y. Evans, **L.R. Oki**, and L.J. Schwankl. 2014. Adjustable-Rate Fertigation System for Container Nurseries. *Applied Engineering in Agriculture*. *Applied Engineering in Agriculture* 30(6): 987-994. doi: 10.13031/aea.30.10509.
- Lee, E. and **L.R. Oki**. 2013. Slow sand filters effectively reduce *Phytophthora* after a pathogen switch from *Fusarium* and a simulated pump failure. *Water Research*. 47(14) 5121-5129. DOI: 10.1016/j.watres.2013.05.054
- Reid, K. and **L.R. Oki**. 2013. Irrigation and climate zone trials of perennial plants for sustainable landscapes. Proc. Intl. Trials Conf. K.E Cockshull et al. eds. *Acta Horticulturae*. 980: 95-102. DOI: 10.17660/ActaHortic.2013.980.12.
- Gan, J., S. Bondarenko, **L. Oki**, D. Haver, and J.X. Li. 2012. Occurrence of fipronil and its biologically active derivatives in urban residential runoff. *Environmental Science & Technology*. 46(3):1489-1495. DOI: 10.1021/es202904x.
- Lazarus, B.E., J.H. Richards, P.E. Gordon, **L.R. Oki**, and C.S. Barnes. 2011. Plasticity tradeoffs in salt tolerance mechanisms among desert *Distichlis spicata* genotypes. *Functional Plant Biology*. 38: 187-198. DOI: 10.1071/FP10192
- Lin, K., D. Haver, **L. Oki**, and J. Gan. 2009. Persistence and sorption of fipronil degradates in urban stream sediments. *Environmental Toxicology & Chemistry*. 28(7): 1462-1468. DOI: 10.1897/08-457.1.
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SELECTIONS PRIOR TO REVIEW PERIOD:

- Lin, K., D. Haver, **L. Oki**, and J. Gan. 2008. Transformation and sorption of fipronil in urban stream sediments. *Journal Agricultural & Food Chemistry* 56(18): 8594-8600. DOI: 10.1021/jf8018886
- Reid, S.K. and **L.R. Oki**. 2008. Field trials identify more native plants suited to urban landscaping. *California Agriculture*. 62(3): 97-104. DOI: 10.3733/ca.v062n03p97.
- Coates, R.W., M.J. Delwiche, R.Y. Evans, **L.R. Oki**, and P.H. Brown. 2007. Site-specific water and nutrient application by wireless valve controller network. ASABE Annual Meeting, June 17-20, 2007. Paper No. 072247. St. Joseph, MI. 11 pages.
- L.R. Oki**, N.S. Mattson, and J.H. Lieth. 2006. Predicting stem length of cut flower roses at harvest using stem elongation rates in relationship to developmental events. *Acta Horticulturae*. 718: 113-120. DOI: 10.17660/ActaHortic.2006.718.12
- Oki, L.R.** and J.H. Lieth. 2004. Effect of changes in substrate salinity on the elongation of *Rosa hybrida* L. 'Kardinal' stems. *Scientia Horticulturae*. 101: 103-119. doi:10.1016/j.scienta.2003.09.013.
- Eymar, E., **L.R. Oki**, and J.H. Lieth. 2001. Continuous measurements of electrical conductivity in growing media using a modified suction probe: Initial calibration and potential usefulness. *Plant & Soil* 230: 67-75. DOI: 10.1023/A:1004820418099.
- L.R. Oki**, J.H. Lieth, and S.A. Tjosvold. 2001. Irrigation of *Rosa hybrida* L. 'Kardinal' based on soil moisture tension increases productivity and flower quality. *Acta Horticulturae*. 547: 213-219. DOI: 10.17660/ActaHortic.2001.547.25.

Eymar, E., J.H. Lieth, and **L.R. Oki**. 1999. Continuous measurement of substrate electrical conductivity in container grown plants. *Acta Horticulturae*. 507: 69-75.
DOI:10.17660/ActaHortic.1999.507.7

BOOKS AND BOOK CHAPTERS AUTHORED

- S.H. Dreistadt, with **Oki, L.R.** (contributing author). 2016. Pests of Landscape Trees and Shrubs. An Integrated Pest Management Guide. Third Edition. S.H. Dreistadt (writer) M.L. Flint (Tech Ed). University of California Agriculture and Natural Resources. Oakland, CA.
- Oki, L.R.** and J.H. Lieth. 2014. Mechanization and automation. In: Container nursery production and business management manual. Publication 3540. J. Newman, ed. University of California Agriculture and Natural Resources. Oakland, CA. pp. 45-58.
- Newman, J.P., J.N. Kabashima, D. Merhaut, D.L. Haver, J. Gan and **L.R. Oki**. 2014. Controlling runoff and recycling water, nutrients, and waste. In: Container nursery production and business management manual. Publication 3540. J. Newman, ed. University of California Agriculture and Natural Resources. Oakland, CA. pp. 95-118.
- Bianchi, M.L., A. Crump, M.J Gable, P.M. Geisel, L.J. Harris, J.S. Hartin, C.A. Ingels, N.C. Napawan, **L.R. Oki**, S.R. Oneto, D.R. Pittenger, and S.A Yamamoto. 2012. Edible Landscaping. M.J. Gable (Ed.). UC ANR Statewide Master Gardener Program and UC Davis California Center for Urban Horticulture. 76 pages.
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SELECTIONS PRIOR TO REVIEW PERIOD:

- Lieth, J.H. and **L.R. Oki**. 2007. Irrigation in Soilless Production. In: Soilless Culture: Theory and Practice. M. Raviv & J.H. Lieth, eds. Elsevier Press, Amsterdam.

GENERAL AUDIENCE PUBLICATIONS, SELECTIONS

- Ensminger, M.P., L.R. Oki, S. Teh, J. Sisneroz, B.J.L. Pitton, L. Deanovic, M., and K.S. Goh. 2017. Flow-weighted Sampling to Measure Efficacy of a Constructed Water Quality Treatment Pond in Folsom, California.
http://www.cdpr.ca.gov/docs/emon/surfwttr/swposters/37_ensminger_acs__2017.pdf
- Oki, L.R.**, L. Nackley, and B. Pitton. 2016. Slow sand filters remove tobacco mosaic virus. University of California Nursery and Floriculture Alliance News. 20(2): 12-14.
<http://ucfnanews.ucanr.edu/files/247323.pdf>.
- Oki, L.R.** 2016. CDFA Nursery Advisory Board Report. University of California Nursery and Floriculture Alliance News. 20(1): 23.
[http://ucfnanews.ucanr.edu/Articles/CDFA Nursery Advisory Board Reports/Spring 2016 CDFA Nursery Advisory Board Report](http://ucfnanews.ucanr.edu/Articles/CDFA_Nursery_Advisory_Board_Reports/Spring_2016_CDFA_Nursery_Advisory_Board_Report).
- California Department of Food and Agriculture. 2016. Concerning the Japanese beetle. Interview and video. <https://www.cdfa.ca.gov/plant/JB/#>.
<https://www.youtube.com/watch?v=qN3TyXA2APE&feature=youtu.be>.
- Oki, L.**, A. Filmer and L. Nackley. 2015. Environmental horticulture research at UC Davis. Greenhouse Product News. 25(12): 36-42. <http://www.gpnmag.com/article/environmental-horticulture-research-uc-davis/>.
- Bethke, J.A., M. Parrella, S. Tjosvold, D. Merhaut and **L. Oki**. 2015. The University of California serves the ornamental plant production industry. Greenhouse Product News. 25(8): 10-16. <http://www.gpnmag.com/article/university-california-serves-ornamental-plant-production-industry/>.
- Sisneroz, J.A., **L.R. Oki**, D.W. Fujino, and K. Reid. 2015. UC Landscape plant irrigation trials. <http://ccuh.ucdavis.edu/Resources/TrialsOverview2.pdf>.
- Oki, L.R.** 2015. CDFA Nursery Advisory Board Report. University of California Nursery and Floriculture Alliance News. 19(3): 22-23.
[http://ucfnanews.ucanr.edu/Articles/CDFA Nursery Advisory Board Reports/Winter 2015 CDFA Nursery Advisory Board Report](http://ucfnanews.ucanr.edu/Articles/CDFA_Nursery_Advisory_Board_Reports/Winter_2015_CDFA_Nursery_Advisory_Board_Report).
- Oki, L.R.** 2015. Irrigating greenhouse and nursery crops based on soil moisture measurement. University of California Nursery and Floriculture Alliance News. 19(2): 8-12.
[http://ucfnanews.ucanr.edu/Articles/Feature Stories/Irrigating greenhouse and nursery crops based on soil moisture measurement/](http://ucfnanews.ucanr.edu/Articles/Feature_Stories/Irrigating_greenhouse_and_nursery_crops_based_on_soil_moisture_measurement/)
- Oki, L.R.** and D.W. Fujino. 2015. The TRIC (Tree ring irrigation contraption). An innovative way to water trees during drought. <http://ccuh.ucdavis.edu/public/drought/tree-ring-irrigation-contraption-tric-1/tree-ring-irrigation-contraption-tric>.
- Oki, L.R.** and D.W. Fujino. 2015. Rotary system irrigation contraption (RSIC).
<http://ccuh.ucdavis.edu/Events/drought/rotary-system-irrigation-contraption-rsic/RSIC>.
- Oki, L.R.** and D.L. Haver. 2015. Landscape irrigation scheduling worksheet.
<http://ccuh.ucdavis.edu/Events/drought/landscape-irrigation-system-evaluation-management>.
- Reid, K., **L. Oki**, & J. Sisneroz. 2015. Irrigation Trials Results for Kurapia® 2012-2014. Report for California Center for Urban Horticulture.
<http://ccuh.ucdavis.edu/industry/kurapia/kurapia-irrigation-trial-results>.

Tso, J., **L.R. Oki**, and D.W. Fujino. 2013. Landscape Water Conservation Resources Map.
<http://ccuh.ucdavis.edu/Events/drought/map>.

GENERAL AUDIENCE PUBLICATIONS, SELECTIONS CONTINUED

- Oki, L.R.**, S.A. White. 2012 Constructed Wetlands – Learn how to remediate pesticides from recycled water and runoff. Nursery Management. 28(6): 24, 26-28.
<http://www.nurserymanagementonline.com/nm0612-water-remediate-treat-runoff.aspx>.
- K. Reid, **L.R. Oki**, D.W. Fujino, and E. Zagory. 2012. Expanding evaluations of the water use and climate zone tolerance of landscape ornamentals for sustainable California gardens. Final Report Saratoga Horticultural Research Endowment 2011-2012.
<http://ccuh.ucdavis.edu/Resources/media/2012results.pdf>.
- K. Reid, **L.R. Oki**, T. Majcherek, and D.L. Haver. 2011. 5 Steps for setting your irrigation controller. Northern California.
http://ccuh.ucdavis.edu/Resources/media/5steps_NorCal_2011.pdf.
- K. Reid, **L.R. Oki**, T. Majcherek, and D.L. Haver. 2011. 5 Steps for setting your irrigation controller. Central California.
http://ccuh.ucdavis.edu/Resources/media/5steps_CentCal_2011.pdf.
- K. Reid, **L.R. Oki**, T. Majcherek, and D.L. Haver. 2011. 5 Steps for setting your irrigation controller. Southern California.
http://ccuh.ucdavis.edu/Resources/media/5steps_SoCal_2011.pdf.
- K. Reid, **L.R. Oki**, and D.L. Haver. 2011. Features of water conserving landscapes.
http://ccuh.ucdavis.edu/Resources/media/copy_of_Features_WClandscapes.pdf.
- K. Reid, **L.R. Oki**, and D.L. Haver. 2011. Front yard run-off. Why does it matter?
http://ccuh.ucdavis.edu/Resources/media/Pin51_summaryflyer_print.pdf.
- K. Reid, **L.R. Oki**, and D.L. Haver. 2011. Front yard run-off. What's in the water?
http://ccuh.ucdavis.edu/Resources/media/PIN51_poster2_proof.pdf.
- K. Reid, **L.R. Oki**, and D.L. Haver. 2011. Front yard run-off. Urban water quality research.
http://ccuh.ucdavis.edu/Resources/media/PIN51_poster1_proof.pdf.
- Oki, L.R.**, S.A. White. 2011. Ecological approaches used in nurseries to treat water. University of California Nursery and Floriculture Alliance. UCNFA News. Spring 2011. 15(2): 1-6.
http://ucanr.org/sites/UCNFAnews/Feature_Stories/Ecological_approaches_used_in_nurseries_to_treat_water.
- Fleming, R., **L.R. Oki**, and D.L. Haver. 2010. Runoff Water and Garden Design.
<http://ccuh.ucdavis.edu/Resources/media/RunoffGardenandWaterDesignbrochurerestricted.pdf>.
- White, S. and **L.R. Oki**. 2010. Ecological approaches to water treatments. Water Education Alliance for Horticulture presentation. November 18, 2010.
<http://www.youtube.com/watch?v=s9u5Pk1v2Xc>.
<http://www.youtube.com/watch?v=9chO3JHMAxk>.
- Oki, L.R. 2010. Introduction to urban water uses. University of California, Davis. Lecture 01, LDA 190, September 26, 2010. <http://www.youtube.com/watch?v=q3bXIDE8FIU>.

Barnes, C. and **L.R. Oki**. 2010. Salinity tolerance of *Sequoia sempervirens*. Presented at 2010 American Society of Horticultural Science Annual Conference. HortTalks.

<http://horttalks.ashs.org/detail.lasso?id=827>.

GENERAL AUDIENCE PUBLICATIONS, SELECTIONS CONTINUED

Oki, L.R. 2009. Homes pollute: Linked to 50 percent more water pollution than previously believed. Press conference of the American Chemical Society. ACS Live August 19, 2009.

<http://www.ustream.tv/recorded/2010681>.

LIMITED DISTRIBUTION PUBLICATIONS, SELECTIONS

- Oki, L.R.** 2016. UCANR seeks industry support for 2016 environmental horticulture positions. (and) Comments for UCANR 2016 Environmental Horticulture Positions Due July 11. eNews. California Association of Nurseries and Garden Centers. June 17, 23, 30, July 8, 2016.
- Nackley, L, **L.R. Oki** and J. Pollex. 2016. Microcalorimetry for the rapid assessment of specialty crop salinity tolerance. CDFA-SCBGP #SCB10352. Progress Report. April 2016.
- Fujino, D.W., J. Hartin, and **L.R. Oki**. 2015. Updates on evapotranspiration adjustment factor project. A contract from CA Dept. of Water Resources. Turfgrass & Landscape Field Day. University of California, Riverside. September 17, 2015.
- Nackley, L, **L.R. Oki** and J. Pollex. 2015. Microcalorimetry for the rapid assessment of specialty crop salinity tolerance. CDFA-SCBGP #SCB10352. Progress Report. April 2015.
- Oki, L. R.** and D.W. Fujino. 2015. 2014-15 Annual report for UC Nursery and Floriculture Alliance. July 2015. 9 pages.
- Reid, K., **L.R. Oki**, D.W. Fujino, and J.A. Sisneroz. 2015. Ornamental plant trials for the new California garden: Evaluating new landscape plants for sustainable characteristics on reduced water. <http://ucanr.edu/sites/SaratogaHort/files/218994.pdf>.
- Fujino, D.W., J. Hartin, and **L.R. Oki**. 2014. Updates on evapotranspiration adjustment factor project. A contract received from CA Dept. of Water Resources. Turfgrass & Landscape Field Day. University of California, Riverside. September 11, 2014.
- Oki, L.R.** and J. Pollex. 2014. Microcalorimetry for the rapid assessment of specialty crop salinity tolerance. CDFA-SCBGP #SCB10352. Progress Report. April 2014.
- Reid, K., **L.R. Oki**, D.W. Fujino, and E. Zagory. 2014. Continued evaluations of the water use and climate zone tolerance of landscape ornamentals for sustainable California gardens. Saratoga Horticultural Research Endowment. Final Report. 2011-2013. <http://ucanr.edu/sites/SaratogaHort/files/164132.pdf>.
- Fujino, D.W., J. Hartin, and **L.R. Oki**. 2013. Updates on evapotranspiration adjustment factor project. A contract received from CA Dept. of Water Resources. Turfgrass & Landscape Field Day. University of California, Riverside. September 12, 2013.
- Reid, K., **L.R. Oki**, D.W. Fujino, and E. Zagory. 2013. Expanding evaluations of the water use and climate zone tolerance of landscape ornamentals for sustainable California gardens. Saratoga Horticultural Research Endowment. Final Report. 2011-2012. <http://ccuh.ucdavis.edu/Resources/media/2012results.pdf>.
- Delwiche, M., R. Coates, R. Evans, **L. Oki**, and L. Schwankl. 2013. Adjustable-Rate Fertigation for Site-Specific Management to Improve Fertilizer Use Efficiency. CDFA-FREP #10-0004-SA. Final Report, July 2011 - June 2013. http://www.cdfa.ca.gov/is/ffldrs/frep/pdfs/completedprojects/10-0004-SA_Delwiche.pdf.
- Coates, R.W., M.J. Delwiche, A. Broad, M. Holler, R. Evans, **L. Oki**, and L. Dodge. 2012. Wireless sensor network for precision irrigation control in horticultural crops. 2012 ASABE Annual International Meeting, Dallas, TX, July 29 - August 1, 2012. Paper #121337892. doi:10.13031/2013.41846.
- Oki, L.R.** and E. Lee. 2012. Control of plant parasitic root diseases and nematodes in ornamental production systems. FY 2012 Partial Final Research Progress Report. Project #58-5306-1-332. USDA ARS Floriculture and Nursery Research Initiative. August 2012. 3 pages.

LIMITED DISTRIBUTION PUBLICATIONS, SELECTIONS CONTINUED

- Oki, L.R.** and K. Reid. 2010. Irrigation and climate zone trials of UC Davis Arboretum All-Stars. http://ccuh.ucdavis.edu/Resources/media/AllStarstrialsresults_2008_2009_final.pdf.
- Oki, L.R.** and D.L. Haver. 2011. Control of plant parasitic root diseases and nematodes in ornamental production systems. FY 2011 Research Progress Report. Project #58-5306-1-332. USDA ARS Floriculture and Nursery Research Initiative. August 2011. 2 pages.
- Oki, L.R.** 2011a. Evaluating best management practices (BMPs) effectiveness to reduce volumes of runoff and improve quality of runoff from urban environments. Quarterly report. California State Water Quality Control Board. April 20, 2011. 108 pages.
- Oki, L.R.** and D.L. Haver. 2011b. Evaluating best management practices (BMPs) effectiveness to reduce volumes of runoff and improve quality of runoff from urban environments. Final report. California State Water Quality Control Board. Agreement Number 04-231-550-03. March 8, 2011. 410 pages.
- Oki, L.R.** 2010a. Control of plant parasitic root diseases and nematodes in ornamental production systems. FY 2010 Final Research Report. Project #5306-22000-014-02S. USDA ARS Floriculture and Nursery Research Initiative. December 2010. 7 pages.
- Oki, L.R.** 2010b. Evaluating best management practices (BMPs) effectiveness to reduce volumes of runoff and improve quality of runoff from urban environments. Quarterly report. California State Water Quality Control Board. November 8, 2010. 88 pages.
- Oki, L.R.** 2010c. Evaluating best management practices (BMPs) effectiveness to reduce volumes of runoff and improve quality of runoff from urban environments. Quarterly report. California State Water Quality Control Board. September 30, 2010. 331 pages.
- Oki, L.R.** 2010d. Control of plant parasitic root diseases and nematodes in ornamental production systems. FY 2010 Partial Annual Research Report. Project #5306-22000-014-02S. USDA ARS Floriculture and Nursery Research Initiative. June 2010. 2 pages.
- Oki, L.,** D. Haver, S. Bondarenko, T. Majcherek, M. Yates, and J. Gan. 2010. Water quality-Contaminants in runoff from urban landscapes. University of Arizona Desert Horticulture Conference. May 21, 2010. Tucson, AZ. 4 pages.
- Reid, S.K., and **L.R. Oki.** 2010. Evaluating the water usage and climate zone tolerances of potential UC Davis “Arboretum All-Stars” plant introductions. Final Progress Report for October 2007-December 2009. Elvenia J. Slosson Endowment for Ornamental Horticulture. May 13, 2010. 37 pages.
- Delwiche, M., R. Coates, P. Brown, R Evans, **L. Oki,** and B. Hanson. 2010. Site specific fertilizer application in orchards, nurseries, and landscapes. CDFR FREP #06-0600 Final Report, January 2007-December 2009. February 1, 2010. 32 pages.
- Oki, L.** 2010. Slow sand filtration systems. Conference on Water Recycling and Treatment. Vista, CA, January 28, 2010. 4 pages.
- Oki, L.R.** 2009. Evaluating best management practices (BMPs) effectiveness to reduce volumes of runoff and improve quality of runoff from urban environments. Quarterly report. California State Water Quality Control Board. July 23, 2009. 282 pages.
- Oki, L.R.** 2009. Control of plant parasitic root diseases and nematodes in ornamental production systems. FY 2009 Annual Research Report. Project #5306-22000-014-02S. USDA ARS Floriculture and Nursery Research Initiative. July 2009. 2 pages.

ABSTRACTS AND POSTERS, SELECTIONS

- Ensminger, M. P. , **L.R. Oki**, S. Teh, J. Sisneroz, B.J.L. Pitton, L. Deanovic, M. Stillway, and K.S. Goh. 2017. Flow-weighted Sampling to Measure Efficacy of a Constructed Water Quality Treatment Pond in Folsom, California. Poster #Envr869. 253rd American Chemical Society National Meeting. San Francisco, California. April 2-6, 2017.
- J. A. Sisneroz, **L.R. Oki**, and K. Reid. 2015. California native plant establishment trials: We're killing California natives so you don't have to! Poster. 3rd International Plant Trials Conference. August 25, 2015. Portland OR.
- S.A. White, J.S. Owen, J.C. Majsztrik, B. Behe, B. Cregg, R.T. Fernandez, P. Fisher, C.R. Hall, D. Haver, D.R. Hitchcock, D.L. Ingram, S. Kumar, A. Lamm, J.D. Lea-Cox, **L.R. Oki**, J.L. Parke, A. Ristvey, D. Sample, L.S. Warner, P. C. Wilson: Clean Water3 —Reduce, Remediate, Recycle: A specialty crops research initiative project focused on management of recycled water for ornamental crop production. 2015. HortScience. 50: S31-32.
- Fujino, D.W., J. Hartin, and **L.R. Oki**. 2014. DWR ETAF study overview. Turfgrass & Landscape Field Day. University of California, Riverside. September 11, 2014. (Poster)
- White, S.A., J.S. Owen Jr., J. Majsztrik, R.T. Fernandez, P.R. Fisher, C.R. Hall, T.A. Irani, J.D. Lea-Cox, J. Newman, and **L.R. Oki**. 2013. Containment, Remediation, and Recycling of Irrigation Water for Sustainable Ornamental Crop Production: Results of a SCRI Planning Grant, Poster Board #264. HortScience. 48: S427-428.
- Coates, R.W., M.J. Delwiche, A. Broad, M. Holler, R. Evans, **L. Oki**, and L. Dodge. 2012. Wireless sensor network for precision irrigation control in horticultural crops. Intl.Conf. Agric. Eng. July11, 2013. Valencia, Spain.
- Reid, K. & **L.R. Oki**. 2012. Evaluating the water use and climate zone tolerance of ornamental plants for sustainable landscapes. HortScience 47(9): S208.
- Sisneroz, J., Q. Xiao, **L.R. Oki**, B.J. Pitton, D.L. Haver, T. J. Majcherek, R.L. Mazalewski, and M. Ensminger. 2012. Automated storm runoff sampling from residential areas. Poster. 22nd Annual Meeting of the Northern California Chapter of the Society of Environmental Toxicology and Chemistry. University of California, Berkeley. May 2-3, 2012.
- Reid, S.K., and **L.R. Oki**. 2011. Perennial plant evaluations for sustainable landscapes: Irrigation and climate zone trials. Poster. Western Region of the International Plant Propagators Society 52nd Annual Meeting. Sacramento, CA. September 22-24, 2011.
- Reid, K. and **L. Oki**. 2011. Perennial plant evaluations for sustainable landscapes: irrigation and climate zone trials. 1st International Trials Conference, Wisley, UK, July 4-7, 2011. Final Program and Abstract Book, p.15.
- Barnes, C. and **L.R. Oki**. 2010. Salinity tolerance of *Sequoia sempervirens*. HortScience. 45: S97.
- Yates, M.V., J. Gan, L.R. Oki, and D.L. Haver. 2010. Pesticides and other contaminants in runoff from residential sources. #473. Poster. 12th International Congress of Pesticide Chemistry. International Union of Pure and Applied Chemistry and The Royal Australian Chemical Institute National Convention. Melbourne, Australia. July 4-8, 2010.
- Oki, L.**, D.L. Haver, S. Bondarenko, and J. Gan. 2010. Pesticide pollutants in runoff from northern and southern California neighborhoods. 239th American Chemical Society National Meeting and Exposition. March 23, 2010. San Francisco, CA.

Werner, I., L. Deanovic, and **L.R. Oki**. 2010. Pesticide toxicity in urban creeks of Sacramento, California. 239th American Chemical Society National Meeting and Exposition. March 23, 2010. San Francisco, CA.

ABSTRACTS AND POSTERS, SELECTIONS

Harris, M., E. Lee, H. Leverenz, and L Oki. 2009. Control of plant parasitic root diseases and nematodes in ornamental production systems. Poster. Third USDA ARS Floriculture and Nursery Research Initiative Researchers' Meeting. Cleveland, OH. October 13-15, 2009.

Oki, L., D.L. Haver, S. Bondarenko, A. Manfree, M.L. Flint, S.E. Greco, A. Bale, M.V. Yates, and J. Gan. 2009. Pollutants in runoff from residential sources. #193. 238th ACS National Meeting Office of Communications report. August 16-20, 2009. Washington D.C. 5 pages.

SELECTIONS PRIOR TO REVIEW PERIOD:

L.R. Oki, N.S. Mattson, and J.H. Lieth. 2006. Predicting stem length of cut flower roses at harvest using stem elongation rates in relationship to developmental events. III International Symposium on Models for Plant Growth, Environmental Control and Farm Management in Protected Cultivation (HortiModel 2006). Wageningen, Netherlands.

L.R. Oki, N.S. Mattson, and J.H. Lieth. 2006. Predicting stem length of cut flower roses at harvest using stem elongation rates in relationship to developmental events. III International Symposium on Models for Plant Growth, Environmental Control and Farm Management in Protected Cultivation (HortiModel 2006). Wageningen, Netherlands.

PRESENTATIONS, JAN 2014- JUNE 2016 COMPLETE LIST

- Oki, L.R.** 2016. California station annual report. USDA NIFA. NC1186 and NE1335 Combined meeting. June 23, 2016. Riverhead, NY.
- Oki, L.R.**, B.J.L. Pitton, and J.A. Sisneroz (presenter). Solving Flow Related Sampling Issues. 2016 Surface-Water Pesticide Collaborative Research Annual Meeting. April 29, 2016. Davis CA.
- Oki, L.R.** 2016. Slow sand filters. Removal of *Tobacco mosaic virus*. University of California Agriculture and Natural Resources Environmental Horticulture Program Team Meeting. April 18, 2016, Ventura, CA.
- Oki, L.R.** 2016. Irrigation Cutbacks for Conservation: Less Water, More Weeds, Dead Trees. California Weed Science Society Conference. January 14, 2016. Sacramento, CA
- Oki, L.R.** 2015. Runoff from residential sources. Why the pyrethroid labels were changed. Pesticide Applicators Professional Association Seminars. November 18, 2015. San Jose, CA.
- Oki, L.R.** and D.W. Fujino. 2015. UC update. California Association of Nurseries and Garden Centers Board of Directors. October 20, 2015. Sacramento, CA.
- Oki, L.R.** 2015. Scheduling irrigation. When and how much. Resilient Landscaping Conference. U.S. Green Building Council Central California Chapter. October 15, 2015. Sanger, CA.
- Oki, L.R.** 2015. Assessing irrigation system performance. Is your wasting water? Resilient Landscaping Conference. U.S. Green Building Council Central California Chapter. October 15, 2015. Sanger, CA.
- Oki, L.R.** and D.W. Fujino. 2015. Drought Advising by UC Master Gardeners. Resilient Landscaping Conference. U.S. Green Building Council Central California Chapter. October 15, 2015. Sanger, CA.
- Oki, L.R.** 2015. Slow sand filters. A biological treatment method to remove plant pathogens from nursery runoff. University of California Agriculture and Natural Resources Environmental Horticulture Program Team Meeting. October 8, 2105. Davis, CA.
- Oki, L.R.** and C. Ingels. 2015. Irrigating urban trees during drought. Urban Landscape and Garden Education Expo. UCANR South Coast Research and Extension Center. September, 26, 2015. Irvine, CA.
- Oki, L.R.** 2015. Slow sand filters. A biological treatment method to remove plant pathogens from nursery runoff. Western Region of the International Plant Propagators Society 56th Annual Meeting. September 25, 2015. Modesto, CA
- Fujino, D.W., J. Hartin, and **L.R. Oki**. 2015. Final report: Water use of large public and private landscapes. Turfgrass & Landscape Field Day. University of California, Riverside. September 17, 2015.
- Oki, L.R.** and C. Ingels. 2015. Irrigating urban trees during drought. California Association of Pest Control Applicators Seminars. September 16, 2015. San Jose, CA.
- Oki, L.R.** 2015. Maintaining landscapes for low water use. The New California Landscape UC Master Gardeners Conference.
September 3, 2015, Stockton, CA.
September 10, 2015, Chico, CA.
October 16, 2015, Parlier, CA.
- Oki, L.R.** 2015. Soil moisture sensors. What they tell you and how to use them to manage irrigation. Crop Production Services Water Summit. August 26, 2015. San Marcos, CA.

PRESENTATIONS, JAN 2014- JUNE 2016 COMPLETE LIST CONTINUED

- Oki, L.R.** and D.W. Fujino. 2015. University of California Nursery and Floriculture Alliance update. California Center for Urban Horticulture Advisory Board meeting. August 8, 2015. Davis, CA.
- Oki, L.R.** 2015. Irrigation management technology. Sierra Foothill Rose Society. June 4, 2015. Roseville, CA.
- Oki, L.R.** 2015. Landscape irrigation. Runoff pollutants and irrigation tools. Keeping Landscapes Alive Under Drought and Water Restrictions. June 2, 2015. LA County Arboretum. Arcadia, CA.
- Oki, L.R.** 2015. Assessing irrigation system performance. Is yours wasting water? Low water use landscaping workshop. San Diego County Water Authority.
May 13, 2015. San Diego, CA.
May 14, 2015. San Diego, CA.
- Oki, L.R.** 2015. Scheduling irrigation. How much and when. Low water use landscaping workshop. San Diego County Water Authority.
May 13, 2015. San Diego, CA.
May 14, 2015. San Diego, CA.
- Oki, L.R.** 2015. Irrigation management during drought. Low water use landscaping workshop. San Diego County Water Authority.
May 13, 2015. San Diego, CA.
May 14, 2015. San Diego, CA.
- Oki, L.R.** 2015. Irrigating urban trees during drought. Low water use landscaping workshop. San Diego County Water Authority.
May 13, 2015. San Diego, CA.
May 14, 2015. San Diego, CA.
- Haver, D.L. and **L.R. Oki**. 2015. Water management in the landscape. Disney Horticulture. April 1, 2015. Anaheim, CA.
- L.R. Oki**. 2015. What's new in greenhouse hydroponics. California Institute of Food and Agricultural Research Conference 35. March 24, 2015. University of California Davis, CA.
- L.R. Oki** and D.L. Haver. 2015. Update on DPR's urban pesticide monitoring in Sacramento and Orange County. University of California Agriculture and Natural Resources Water Team meeting. February 13, 2015. Davis, CA.
- Oki, L.R.**, L. Nackley, and J. Pollex. 2105. Microcalorimetry for rapid assessment of plant salinity tolerance. California Association of Nurseries and Garden Centers Research Advisory Committee. February 5, 2015. University of California, Riverside, CA.
- Oki, L.R.** 2014. Demand management measures. Independent Technical Panel, Department of Water Resources. November 19, 2014, Irvine, CA.
- Oki, L.R.** 2014. Determining distribution uniformity in sprinkler irrigation systems. California Nursery Conference. UC Nursery and Floriculture Alliance. November 13, 2014. Etiwanda, CA.
- Oki, L.R.** 2014. Demonstration of determining distribution uniformity in sprinkler irrigation systems. California Nursery Conference. UC Nursery and Floriculture Alliance. November 13, 2014. Etiwanda, CA.

PRESENTATIONS, JAN 2014- JUNE 2016 COMPLETE LIST CONTINUED

- Oki, L.R.** 2014. Irrigation management technology and soil moisture sensors. California Nursery Conference. UC Nursery and Floriculture Alliance. November 13, 2014. Etiwanda, CA.
- Faber, B and **L.R. Oki.** 2014. Improving irrigation performance using micro irrigation. California Nursery Conference. UC Nursery and Floriculture Alliance. November 13, 2014. Etiwanda, CA.
- Oki, L.R.** 2014. Scheduling Irrigation. California Nursery Conference. UC Nursery and Floriculture Alliance. November 13, 2014. Etiwanda, CA.
- Oki, L.R.** 2014. Demonstration of determining distribution uniformity in sprinkler irrigation systems. UC Nursery and Floriculture Alliance Irrigation Management Efficiency in Nurseries Workshop. November 11, 2014. Modesto, CA.
- Oki, L.R.** 2014. Maintaining your landscape during drought. Gold River Community Association. October 2, 2014. Gold River, CA.
- Oki, L.R.** 2014. Maintaining your landscape during drought. ANR Residential Landscape and Gardening Open House and Vendor Fair. South Coast Research and Extension Center. September, 27, 2014. Irvine, CA.
- Oki, L.R.** 2014. Scheduling irrigation. When and how much. Your Sustainable Backyard Low Water Use Landscaping Conference.
September 25, 2014, San Jose, CA.
November 8, 2014, UC Davis, Davis, CA.
- Oki, L.R.** 2014. Assessing irrigation system performance. Is your wasting water? Your Sustainable Backyard Low Water Use Landscaping Conference.
September 25, 2014, San Jose, CA.
November 8, 2014, UC Davis, Davis, CA.
- Oki, L.R.** and D.W. Fujino. 2014. University of California Nursery and Floriculture Alliance update. California Association of Nurseries and Garden Centers State Board Meeting. September 17, 2014. Sacramento, CA.
- Oki, L.R.** 2014. Landscape water conservation. Press Conference. Assemblywoman Gonzalez, UC Davis Promotes Water Conservation Through Drought-Tolerant Landscaping. August 14, 2014. Sacramento, CA.
- Oki, L.R.** 2014. Irrigation management in nurseries. UC Nursery and Floriculture Alliance Irrigation Management Efficiency in Nurseries Workshop.
November 11, 2014. Modesto, CA.
August 28, 2014, Santa Paula, CA.
June 25, 2014. San Marcos, CA.
June 19, 2014. Watsonville, CA.
- Oki, L.R.** 2014. Irrigation management technology and soil moisture sensors. UC Nursery and Floriculture Alliance Irrigation Management Efficiency in Nurseries Workshop.
November 11, 2014. Modesto, CA.
August 28, 2014, Santa Paula, CA.
June 25, 2014. San Marcos, CA.
June 19, 2014. Watsonville, CA.

PRESENTATIONS, JAN 2014- JUNE 2016 COMPLETE LIST CONTINUED

- Oki, L.R.** 2014. Methods of water treatment for elimination of plant pathogens. San Diego California Association of Pest Control Advisors Nursery and Greenhouse Seminar 2014. June 4, 2014. Escondido, CA.
- Oki, L.R.** 2014. Diagnosing plant disorders. The diagnostic process. UCCE Master Gardeners certification training class.
May 26, 2016, San Luis Obispo County, San Luis Obispo, CA.
May 25, 2016, Santa Barbara County, Santa Barbara, CA.
December 3, 2015, Contra Costa County, Pittsburg, CA.
November 10, 2015, Shasta County, Redding, CA.
May 21, 2015, San Luis Obispo County, San Luis Obispo, CA.
May 20, 2015, Santa Barbara County, Santa Barbara, CA.
March 19, 2015, Inyo/Mono Counties, Bishop, CA.
February 3, 2015, Napa County, Napa, CA.
November 6, 2014, Contra Costa County, Richmond, CA.
May 22, 2014, San Luis Obispo County, San Luis Obispo, CA.
May 21, 2014, Santa Barbara County, Santa Barbara, CA.
- Oki, LR.** 2014. Managing landscapes on limited water. UCCE Master Gardeners of Napa County. May 14, 2014, Napa, CA.
- Oki, L.R.** 2014. Reducing water use in home and urban landscapes. UC Davis College of Agricultural and Environmental Sciences Dean's Advisory Council. April 17, 2014. Davis, CA.
- Oki, LR.** 2014. Managing landscapes on limited water. UCCE Master Gardeners of Amador County. April 15, 2014, Jackson, CA.
- Oki, L.R.** 2014. Automated sampling equipment, demonstration of autosampler, demonstration of flow meter. EPA Pesticide Regulatory Education Program. April 10, 2014. Folsom, CA.
- Oki, LR.** and D.L. Haver. 2014. Conservation strategies for landscape irrigation. Green California Summit and Exposition. April 9, 2014. Sacramento, CA.
- Oki, L.R.** 2014. Water management in the home garden. Water conservation methods for landscapes. UCCE Master Gardeners of El Dorado County. March 27, 2014. Placerville, CA.
- Oki, L.R.** and C. Ingels. 2014. Managing trees during drought. Department of Water Resources workshop. Get ahead or get parched. Six ways to survive the drought.
July, 31, 2014, Irvine, CA.
March 14, 2014, Folsom, CA.
- Oki, L.R.** 2014. Water management in the home garden and landscape. UCCE Master Gardeners certification training class.
March 22, 2016, Butte County, Chico, CA.
March 17, 2016, El Dorado and Amador Counties, Placerville, CA.
March 10, 2016, Calaveras/Tuolumne Counties, Sonora, CA.
March 3, 2016, Glenn County, Orland, CA.
February 25, 2016. Solano County, Fairfield, CA.
February 18, 2106, Yolo County, Woodland, CA.
February 17, 2016, Merced County, Merced, CA.

PRESENTATIONS, JAN 2014- JUNE 2016 COMPLETE LIST CONTINUED

- Oki, L.R.** 2014. Water management in the home garden and landscape. UCCE Master Gardeners certification training class. (continued)
February 6, 2016, Monterey and Santa Cruz Counties, Watsonville, CA.
January 19, 2016, Napa County, Napa, CA.
March 21, 2015, Inyo/Mono Counties, Bishop, CA.
March 11, 2015, San Joaquin County, Stockton, CA.
March 5, 2015, Calaveras/Amador/Tuolumne Counties, Jackson, CA.
February 27, 2015, Placer County, Auburn, CA.
January 29, 2015, Santa Clara County, San Jose, CA.
January 27, 2015, Napa County, Napa, CA.
October 23, 2014, Contra Costa County, Richmond, CA.
October 7, 2014, Shasta County, Redding, CA.
October 3, 2014, Sierra/Plumas Counties, Portola, CA.
April 5, 2014, Sierra/Plumas Counties, Quincy, CA.
March 28, 2014, El Dorado County, Placerville, CA.
March 21, 2014, Lassen County, Susanville, CA.
March 6, 2014, Tuolumne County, Sonora, CA.
March 4, 2014, Alameda County, Alameda, CA.
February 27, 2014, Butte County, Chico, CA.
February 12, 2014, Merced County, Merced, CA.
- Oki, L.R.** 2014. Urban landscapes & irrigation. Key elements for landscape water conservation. California Department of General Services. March 12, 2014. West Sacramento, CA
- Oki, L.R.** 2014. DPR Northern California Monitoring, Mitigation, and Outreach. California Department of Pesticide Regulation. March 10, 2014. Sacramento, CA
- Oki, L.R.** 2014. Biological treatment of captured runoff: Slow sand filtration. Society of American Florists Pest & Production Management Conference. February 22, 2014. San Diego, CA.
- Oki, L.R.** and J Tso. 2014. Online search tool of landscape water conservation programs. EcoLandscape California Conference. February 1, 2014. Stockton, CA.

PRESENTATIONS, SELECTIONS FROM JULY 2009 THROUGH DEC 2013

- Oki, L.R.** 2013. Using plant phenology to predict pest outbreaks. Systems Approach to Nursery Certification Core Group Member meeting. National Plant Board. October 3, 2013. Memphis TN.
- Oki, L.R.** 2012. Pesticide pollutants from urban sources. Why landscape runoff matters. Impact of new regulations on ant IPM conference. March 21, 2012. University of California, Riverside, CA. November 1, 2012. San Jose, CA.
- Oki, L.R.** 2012. Removing pollutants from runoff using biological treatment. Southern CA Chapter CA Association of Pest Control Advisors SoCal & UCCE Landscape and IPM Seminar. May 17, 2012. Irvine, CA.
- Oki, L.R.** 2012. Are ant control pesticides in residential runoff? Unified Port of San Diego and San Diego County UCCE 12th Annual Integrated Pest Management Training for Landscape Professionals. May 10, 2012. San Diego, CA.
- Oki, L.R.** 2012. Urban water use research at UC Davis. California Polytechnic State University Horticulture Club. April 18, 2012. San Luis Obispo, CA.
- Oki, L.R.** 2012. Pollutants from your front yard. Pesticide runoff and urban landscapes. American Basin Council of Watersheds. April 4, 2012. Roseville, CA.
- Oki, L.R.** 2012. Pollutants from your front yard: Pesticide runoff from urban landscapes. SF Regional Water Quality Control Board and Pesticide Applicators Professional Association, IPM in Landscapes Seminar. February 28, 2012. San Jose, CA.
- Oki, L.R.** 2011. Water quality. Pollutants in runoff from residential landscapes. Ornato 2011. 13th National and 6th International Horticultural Congress. October 25, 2011. Nuevo Vallarta, Nayarit, MX
- Oki, L.R.** 2011. Pesticide residues in urban runoff. Wildlands IPM Seminar. California Department of Fish and Game. August 9, 2011. Sacramento, CA.
- Oki, L.R.** 2011. Water quality contaminants in runoff from urban landscapes. Political Action by Pest Control Operators. Water Quality Contaminants and Endangered Species Injunction Update. July 19, 2011, San Jose, CA. July 20, 2011, W. Sacramento, CA.
- Oki, L.R.** 2011. Frequency and loading of pesticides into urban streams from residential communities in California. Southern CA Chapter CA Association of Pest Control Advisors. June 17, 2011. Irvine, CA.
- Oki, L.R.** 2011. Pollution from your front yard. Why landscape runoff matters. City of Lodi Public Works, Storm Drain Detectives. May 12, 2011. Lodi, CA.
- Oki, L.R.** 2011. Detection of pesticides in urban runoff. 20th Annual Urban Pest Management Conference. March 23, 2011. University of California, Riverside, CA.
- Oki, L.R.** and S.White. 2010. Ecological approaches to water treatment: Constructed wetlands and slow sand filtration systems. University of Florida Water Education Alliance: Ecological Approaches to Water Treatment- Practice. November 4, 2010. Webinar.
- Oki, L.** 2010. Low Impact Development: Pollutant detections in runoff from California neighborhoods. American Basin Council of Watersheds: Conference on Current Trends and Case Studies in Low Impact Development. September 24, 2010. Loomis, CA.

PRESENTATIONS, SELECTIONS FROM JULY 2009 THROUGH DEC 2013 CONTINUED

- Oki, L.** 2010. Collaborations in urban pesticide use monitoring. EPA Pesticide Regulatory Education Program. Pesticides and Water Quality course. September 24, 2010. University of California, Davis.
- Barnes, C. and **L.R. Oki**. 2010. Salinity tolerance of *Sequoia sempervirens*. American Society of Horticultural Science Annual Conference. August 3, 2010. Palm Desert, CA.
- Oki, L.** 2010. Water quality- Contaminants in runoff from urban landscapes. University of Arizona 19th Annual Desert Horticulture Conference. May, 21, 2010. Tucson, AZ.
- Oki, L.**, D.L. Haver, S. Bondarenko, and J. Gan. 2010. Pesticide pollutants in runoff from northern and southern California neighborhoods. 239th American Chemical Society National Meeting and Exposition. March 23, 2010. San Francisco, CA.
- Oki, L.** and D.L. Haver. 2009. Pollutants and runoff from northern and southern California neighborhoods. Metropolitan Washington D.C. Council of Governments Regional Monitoring Subcommittee Meeting. December 11, 2009. Webinar.
- Oki, L.** and D.L. Haver. 2009. The good, bad and the ugly: Urban irrigation affects pesticide runoff. Department of Pesticide Regulation Pest Management Alliance. Low Impact Strategies for Ant Control: An Industry -DPR Alliance Conference. November 10, 2009, San Jose, CA. November 19, 2009, Riverside, CA.
- Oki, L.R.** 2009. Pollutants and runoff from northern and southern California neighborhoods. Central Valley Regional Water Quality Control Board Delta Pelagic Organism Decline Contaminants Work Team. October 27, 2009. Sacramento, CA.
- Oki, L.**, D.L. Haver, S. Bondarenko, A. Manfree, M.L. Flint, S.E. Greco, A. Bale, M.V. Yates, and J. Gan. 2009. Pollutants in runoff from residential sources. 238th ACS National Meeting and Exposition. August 19, 2009. Washington D.C.

TEACHING, SELECTIONS

University of California, Davis, CA

ENH 125 Greenhouse and Nursery Management. Wtr 2002-12, 2014-16. Developed and presented classes and labs on bedding plant production, crop scheduling (including scheduling production tasks and labor, determining space allocation, and ordering supplies), and fertility management.

HRT 200B Integrative Horticulture and Agronomy - Practices. Spr 2008, Fall 2009, Spr 2011-16. Developed and presented classes on urban landscape water management issues.

LDA 190 Proseminar. Spr 2016. Organized “Esteemed Women in Landscape Architecture” seminar series.

LDA 190 Proseminar. Spr 2013. Organized “Landscape architecture’s role in low impact development. Designing for sustainability” seminar series.

LDA 190 Proseminar. Spr 2010. Organized “Landscape architecture and sustainable development: Challenges and solutions to urban water issues” seminar series.

LDA 190 Proseminar. Spr 2003. Organized “Landscape management” seminar series.

PLS 162. Urban Ecology. Wtr 2009-12, 2015, 2016. Presented class on pollution from urban landscapes.

ENH 001. Introduction to Environmental Horticulture and Urban Forestry. Fall 2013-15. Developed and presented class on landscape water management.

LDA 181I. Regenerative Landscapes. Wtr 2012. Developed and presented class “Runoff from urban sources. On-site drainage strategies”

California Polytechnic State University (Cal Poly), San Luis Obispo, CA

HCS 120 Principles of Horticulture and Crop Science. Spring 2012. “Urban landscapes. Impacts and benefits”.

HCS 126 Landscape Construction. Spring 2012. “Runoff from urban sources. On-site drainage strategies”.

PPSC 427 Disease and Pest Control Systems for Ornamental Plants. Spring 2012. “Pesticides from urban landscapes”.

ACADEMIC SERVICE, UNIVERSITY OF CALIFORNIA

Acting Director, UC Master Gardener Program, May-August, 2014, March-August 2016
Co-Director, Ag & Nat Resources (ANR) Nursery and Floriculture Alliance, 2009-present
Co-Chair, ANR Floriculture and Nursery Workgroup, 2013-present
Member, ANR Floriculture and Nursery Workgroup, 2003-present
Chair, ANR Landscape Horticulture Workgroup, 2003-08
Member, ANR Landscape Horticulture Workgroup, 2003-present
Member, ANR Statewide Master Gardener Steering Committee, 2006-present
Member, ANR Integrated Pest Management Urban & Community Stakeholder Advisory Committee, 2016-present
Member, ANR Second Street Charette Team, 2016-present
Member, UCD College of Agricultural and & Environmental Sciences (CA&ES) Greenhouse Oversight Committee, 2017-present.
Faculty Advisor, Floriculture Contest UCD CA&ES AgScience Field Day, 2002-2015
Associate Editor for Environmental Horticulture, ANR Communications Services, 2003-09
Member, ANR South Coast Research and Extension Center Strategic Planning Committee, 2013-14
Member, ANR South Coast Research and Extension Center Research Advisory Committee, 2015-present
Member, ANR Statewide UC IPM Program Strategic Planning Committee, 2014-16
Member, ANR Search Committee, Area Environmental Horticulture Advisor Serving Fresno, Madera, Tulare and Kings Counties, 2015
Member, ANR Search Committee, UC Statewide IPM Program Associate Director for Urban and Community IPM and Area IPM Advisor, 2014-15
Member, ANR Search Committee, Director, Statewide Master Gardener Program, 2013-14
Member, ANR Search Committee, Environmental Horticulture Advisor San Mateo, San Francisco, Alameda, Contra Costa, and Santa Clara Counties, 2013-14
Member, ANR Search Committee, Environmental Horticulture Advisor San Mateo, San Francisco, Alameda, Contra Costa, and Santa Clara Counties and San Mateo/San Francisco County Director, 2012
Member, ANR Search Committee, Integrated Pest Management Advisor Alameda, San Mateo-San Francisco, Santa Clara, and Contra Costa Counties, 2011-12
Member, ANR Hansen Trust Research Advisory Committee, 2007-11

SELECTIONS PRIOR TO REVIEW PERIOD

Member, ANR Search Committee, Environmental Horticulture Advisor Fresno County, 2007-08
Member, ANR Search Committee, Environmental Horticulture Advisor Marin County, 2006-07
Member, UCD College of Agricultural and & Environmental Sciences, Environmental Horticulture and Urban Forestry Major, 2005-13
Co-Chair, UCD College of Agricultural and & Environmental Sciences, CA Center for Urban Horticulture Implementation Committee, 2005-06

REVIEWS PROVIDED

Manuscripts

Acta Horticulturae
American Chemical Society
American Society of Agricultural and Biological Engineers
California Agriculture
Computers and Electronics in Agriculture
HortScience
HortTechnology
Journal of the American Society for Horticultural Science
Journal of the American Water Resources Association
Journal of Hydrology
Journal of Irrigation and Drainage Engineering
Landscape and Urban Planning Journal
Scientia Horticulturae
UC Agriculture & Natural Resources Communications Services
WaterReuse Foundation and National Water Research Institute
Water, Soil, & Air Pollution Journal

Research grant proposals

USDA CSREES
American Floral Endowment
Horticultural Research Institute
UC South Coast Research and Extension Center Research Advisory Committee
UC Hansen Trust Research Advisory Committee
CANGC Research Advisory Committee
CLCA Research Advisory Committee

PROFESSIONAL SERVICE AND AFFILIATIONS, SELECTIONS

US Department of Agriculture

Member and California Lead PI, NC1186: Water Management and Quality for Ornamental Crop Production and Health Multistate Research Project

California Department of Food and Agriculture

Member, Nursery Advisory Board, 2013-present

Member, Polyphagous shot hole borer working group, 2014-16

California Department of Water Resources

Senate Bill x7-7 Urban Stakeholder Committee Member, 2010-present

Landscape Advisory Group, 2016-present

Managing Landscapes During Drought Workshop Committee, 2014-15

Landscape Symposia Planning Committee, 2013-15

International Plant Propagators' Society

Member, 1979-present

Member, Western Region Board of Directors, 1989-94

International Alternate Delegate Western Region, 1993-94

Chair, Western Region Long Range Planning- Nominating Committee, 1993-94

Member, Western Region Honors Committee, 1993-94

President, Western Region, 1992-93

Vice President, Western Region, 1989-92

Member, Western Region Annual Meeting Committee, 1986, 88, 92 (Chair), 96, 2010

Chair, Western Region Grants Committee, 1986-87

California Association of Nurseries and Garden Centers

Member, 1978-present

Member, Board of Directors, 1986-88, 91-92

Member, Research Advisory Committee, 1983-present

Member, California Certified Nursery(CCN) Pro Committee, 2012-present

Member, Strategic Planning Committee, 2011-12

Member, Career and Education Committee, 2000-2008

Chair, Research Advisory Committee, 1989-91

Member, Endowment for Research and Scholarships Committee, 1989-91

Founding Chair, Plant Protection Issues Committee, 1988-89

Member, Plant Protection Issues Committee, 1988-1994

Founding Member, Legislative and Regulatory Committee, 1988-90

Member, Nominating Committee, 1987-88

President, Superior Chapter, 1986-87

President Elect, Superior Chapter, 1985-86

Vice President, Superior Chapter, 1984-85

Secretary, Superior Chapter, 1981-84, 2004-07

Member, Board of Directors, Superior Chapter, 1978-88, 91-92, 2003-06

California Landscape Contractors Association

Member, Research Advisory Committee, 2010-14

Member, Sacramento Valley Nursery and Landscape Expo Committee, 2005-2013

American Society of Horticultural Science, Member, 1999-present

International Society of Horticultural Science, Member, 1999-present

AmeriHort, Member, 2016-present

AWARDS AND HONORS

Curtis J. Alley Award of Merit, 2015, International Plant Propagators' Society, Western Region
California Association of Nurseries and Garden Centers
Research Award, 2015
Past Presidents Club Award, 1998
Charles G. Armstrong Sr. Memorial Scholarship, 1998
Bertolero Scholarship, 1996
Monrovia Nursery/ R. Fred Damm Award, 1995, 1996
Florence E. & James H. Wilson Scholarship Award, 1995, 1996
Southern California Horticultural Short Course Award, 1995
Young Nurseryman of the Year, 1986

EMPLOYMENT

2009-present. Associate Specialist in Cooperative Extension, Landscape Horticulture, Dept. of Plant Sciences (80% appointment) and Dept. of Human Ecology (20% appointment), University of California, Davis, CA.

2002-2009. Assistant Specialist in Cooperative Extension, Landscape Horticulture, Dept. of Plant Sciences (80% appointment) and Dept. of Human Ecology (20% appointment), University of California, Davis, CA.

1995-2002. Graduate Student Researcher. J. Heinrich Lieth, Advisor. University of California. Davis, CA.

1994-1995. Post-Graduate Researcher. J. Heinrich Lieth, Advisor. University of California. Davis, CA.

1993-1995. California Horticulture, Inc. President, Sacramento, CA.

1988-1993. Oki Nursery Company. President. Sacramento, CA.
Provided administrative oversight of two nursery growing locations of 326 total acres in Sacramento, CA and another 90 acres in Aurora, OR.

1982-1988. Oki Nursery Company. Vice President, Greenhouse Production and Technical Services. Sacramento, CA. Responsibilities expanded to include crop technical services exploring new crops, developing growing protocols, and management of facilities and transportation departments. Developed crop costing templates for greenhouse and container ornamentals crops. Developed personnel assessment method to distribute salary increases.

1980-1982. Oki Nursery Company. Production Manager, Greenhouse. Sacramento, CA.
Managed 1.2 million ft² of greenhouses producing floricultural, indoor, and bedding plant crops. Responsible for crop scheduling, space allocations, labor assignments, purchasing, crop protection, maintenance, and regulatory oversight.

1978-1982. Oki Nursery Company. Plant Tissue Culture Laboratory Manager. Sacramento, CA.
Managed 5,000 ft² laboratory facilities for plant propagation.

1974-1978. Graduate Student Researcher. T. Murashige, Advisor. University of California, Riverside.