

STATE OF CALIFORNIA  
**STANDARD AGREEMENT**  
 STD 213 (Rev 06/03)

AGREEMENT NUMBER <b>13-C0052</b>
REGISTRATION NUMBER <b>1325002</b>

1. This Agreement is entered into between the State Agency and the Contractor named below:

STATE AGENCY'S NAME

**Department of Pesticide Regulation (DPR)**

CONTRACTOR'S NAME

**The Regents of the University of California**

2. The term of this Agreement is: December 1, 2013 or upon final approval by the State, whichever occurs later, through December 30, 2014

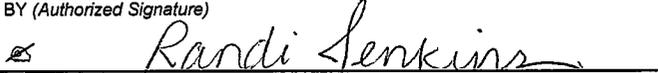
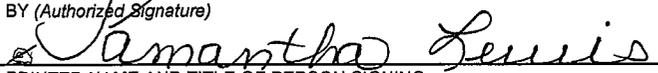
3. The maximum amount of this Agreement is: **\$ 67,875.00**  
**Sixty-seven thousand eight hundred seventy-five dollars and no cents**

4. The parties agree to comply with the terms and conditions of the following exhibits which are by this reference made a part of the Agreement.

<b>Exhibit A</b> – Scope of Work	5 Pages
<b>Exhibit B</b> – Budget Detail and Payment Provisions	3 Pages
<b>Exhibit C*</b> – General Terms and Conditions (GIA 610)	
<b>Exhibit D</b> - Special Terms and Conditions	2 Pages
<b>Exhibit E</b> – Additional Terms and Conditions	1 Pages
<b>Exhibit F</b> – Resume / Curriculum Vitae	4 Pages

Items shown with an Asterisk (\*), are hereby incorporated by reference and made part of this agreement as if attached hereto. *These documents can be viewed at <http://www.ols.dgs.ca.gov/Standard+Language/default.htm>*

**IN WITNESS WHEREOF, this Agreement has been executed by the parties hereto.**

<b>CONTRACTOR</b>		California Department of General Services Use Only
CONTRACTOR'S NAME (if other than an individual, state whether a corporation, partnership, etc.) <b>The Regents of the University of California</b>		
BY (Authorized Signature) 	DATE SIGNED (Do not type) <b>12.11.2013</b>	
PRINTED NAME AND TITLE OF PERSON SIGNING Randi Jenkins, J.D., Associate Director, Sponsored Programs <i>MRV</i>		
ADDRESS Office of Research, Sponsored Programs 1850 Research Park Drive, Suite 300, Davis, CA 95618		
<b>STATE OF CALIFORNIA</b>		
AGENCY NAME <b>Department of Pesticide Regulation</b>		
BY (Authorized Signature) 	DATE SIGNED (Do not type) <b>12.24.13</b>	
PRINTED NAME AND TITLE OF PERSON SIGNING Samantha Lewis, Business Services Office Manager		
ADDRESS 1001 I Street, 4 <sup>th</sup> Floor, Sacramento, CA 95814		

Exempt per: Delegation Letter 74.5

**EXHIBIT A**  
**STANDARD AGREEMENT**

**SCOPE OF WORK**

1. This Agreement is between the Department of Pesticide Regulation, hereinafter referred to as DPR, and The Regents of the University of California, hereinafter referred to as UC Davis or Contractor.
2. This Agreement will commence on the start date of December 1, 2013 as presented herein or upon final approval by the State, whichever is later and no work shall begin before that time. This Agreement is of no effect unless approved by the State. Contractor shall not receive payment for work performed prior to approval of the Agreement and before receipt of notice to proceed by the Contract Manager. This Agreement shall expire on December 31, 2014. The services shall be provided during normal working hours (except for two storm events that could occur at any time, day or night).
3. The Project Representatives during the term of this Agreement will be:
  - A. All official communications, except invoices, from the Contractor to DPR shall be directed to the attention of the DPR Contract Manager, Michael Ensminger, at:

Department of Pesticide Regulation  
Environmental Monitoring Branch, MS 3B  
1001 I Street  
P.O. Box 4015  
Sacramento, CA 95812-4015  
Phone (916) 324-4186 Fax (916) 324-4088  
E-mail: [mensminger@cdpr.ca.gov](mailto:mensminger@cdpr.ca.gov)

- B. All invoices from the Contractor to DPR shall be directed to:

Department of Pesticide Regulation  
Attn: Accounts Payable  
P.O. Box 4015, MS 4A  
Sacramento, CA 95812-4015

- C. All programmatic communications from DPR to the Contractor shall be directed to the attention of Dr. Loren Oki:

Dr. Loren Oki  
Department of Plant Sciences, MS 6  
UC Davis  
One Shields Avenue  
Davis, CA 95616-8780  
Phone: (530) 754 4135; Fax: (530) 754 4883  
Email: [lroki@ucdavis.edu](mailto:lroki@ucdavis.edu)

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- D. All administrative communications, except payments, from DPR to the Contractor shall be directed to:

Marque-Diane Vassar  
UC Davis, Office of Research, Sponsored Programs  
1850 Research Park Drive, Suite 300  
Davis, CA 95618  
Phone (530) 754-8280 Fax (530) 754-8229  
Email: [mdvassar@ucdavis.edu](mailto:mdvassar@ucdavis.edu)

- E. All payments from DPR to the Contractor shall be directed to:

The Regents of the University of California  
Cashier's Office  
P.O. Box 989062  
West Sacramento, CA 95798-9062

- F. The Project Representatives during the term of this Agreement may be changed by mutual written agreement without the necessity of formal amendment to this Agreement.

**4. Contractor Responsibilities:**

**A. Background and Goals**

It has been estimated that hundreds of millions of pounds of urban pesticides are applied annually, resulting in urban surface waters that are polluted with numerous different pesticides. Most often several different pesticides are found in surface waters simultaneously, and these combinations may have a synergetic toxic effect to aquatic organisms. A main goal of urban pesticide mitigation is to reduce pesticide runoff into surface waters. At the city level, wetlands, holding ponds, and vegetated ditches may help reduce pesticide load. Two cities in the Sacramento, CA area, Roseville and Folsom, have high levels of pesticide runoff from urban neighborhoods and are prime areas to study pesticide runoff from residential neighborhoods. DPR has monitored runoff from urban neighborhoods in Roseville, CA since 2008 and it makes an ideal area to monitor changes in pyrethroid runoff with the adoption of the pyrethroid surface water regulations (effective July 19, 2012). DPR has only regularly monitored runoff from urban neighborhoods in Folsom since 2011, but has intensely studied a wetland in this city to determine its potential to reduce pesticide contamination of a city creek. UC Davis via Loren Oki has been instrumental in studying this wetland because their research group has

**EXHIBIT A**  
**STANDARD AGREEMENT**

established automated sampling equipment at several urban storm drain outfalls and have developed expertise with this equipment, including generating water quality and flow data on a regular basis.

**B. Work to Be Performed**

Work to be performed will include monitoring (including preparation and water quality analysis [water quality data, total suspended analysis, total organic carbon analysis]) and automated sampling equipment maintenance (including downloading of water quality and flow data). Specific tasks include:

- 1) Once during the Agreement, Contractor will conduct annual maintenance on the automated sampling sites in Folsom. This shall include adding new pH sensors to 3 automated sampling station sites (sites based on DPR needs, currently FOL1, FOL2, and FOL3; for any changes in sites, DPR will contact Contractor via written [email] notice).
- 2) Up to six times during the Agreement, just prior to each of DPR's Northern CA sampling dates, maintain four automated sampling sites and equipment; calibrate pH, conductivity, and other sensors as necessary. Clean debris from sensors and ensure that the equipment is in working condition and water quality and flow data will be obtained. Four Sites: FOL1, FOL2, FOL3, and likely FOL5 (once site is installed). Site FOL1 only needs to be maintained for water quality and flow data - no sampling. Dissolved Oxygen (DO) sensors are optional (not required) at the automated sampling sites.
- 3) Install automated sampling equipment at a new site in Folsom as determined by DPR (likely, FOL5, 38.649683, -121.1446 ), (Greenlee box or equivalent, to measure water velocity and flow, pH, conductivity, temperature, and rainfall, and to collect water samples with an automatic water sampler).
- 4) For up to six sampling trips during the Agreement, prepare sampling equipment (including bagging ice for coolers, labeling bottles, and organizing sampling containers) for DPR Northern California (Folsom, Roseville) sampling. DPR to provide all sampling supplies (excluding automated sampling equipment and supplies not required for the collection of water samples) and sampling protocol. Sampling preparation will occur at DPR warehouse, 3971 Commerce Dr., West Sacramento CA.
- 5) For up to six sampling trips, including two sampling events triggered by rainfall (which could occur at any time of the day or night), assist in sampling during DPR monitoring in Northern California. DPR to provide supplies and transportation (from DPR warehouse). Contractor is responsible for collecting

**EXHIBIT A  
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water samples with automated water samplers [e.g., ISCO portable sampler] during the two rainstorm events at FOL2, FOL3, and FOL5 (FOL5 [or equivalent]) when functional.

- 6) After DPR sampling in Northern CA, up to six times during the Agreement, assist in cleanup of sampling equipment and sample storage, including delivery of any samples to UC Davis for toxicity testing and dividing bulk samples into 1-L amber bottles (from automated samplers). After the six sampling trips, the Contractor will conduct TSS (total suspended sediment) or SSC (suspended sediment concentration) analysis and TOC (total organic carbon) water analysis according to DPR protocols and instruction, and cleanup any materials used in these analysis. DPR to provide all supplies for analysis and cleanup. Will occur at DPR warehouse (laboratory) in West Sacramento.
  
- 7) Twice each month, download velocity and flow data, pH, temperature, conductivity data, and rainfall totals from four sites in northern California (FOL1, FOL 2, FOL3, FOL5 [when FOL5 is completed]) and at three sites in southern California (WC2, SC2, SC3 [or equivalent sites]) and provide this information to DPR monthly. For all sites except FOL1, provide graphed flow data in EXCEL for a five day period centered on each DPR sampling date at these sites (flow data to be graphed: 2 days before sampling, the day of sampling, and 2 days after sampling).

**5. Table I. Project Timeline**

Task Activities	FY 13/14			FY 14/15	
	Fall Dec	Winter Jan - Mar	Spring Apr-Jun	Summer July- Sept	Fall Oct- Dec
1. Annual maintenance of automated sampling sites in Folsom	X	X			
2. General maintenance of automated sampling sites prior to sampling	X	X	X	X	X
3. Install automated sampling equipment at FOL5	X	X	X		
4. Sampling preparation	X	X	X	X	X
5. Sampling assistance	X	X	X	X	X
6. Sampling clean-up & basic lab TOC, SSC analysis	X	X	X	X	X
7. Download velocity, flow data, water quality data, & Excel graphs	X	X	X	X	X

**EXHIBIT A**  
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**6. DPR's Responsibilities:**

DPR shall provide Contractor with sampling supplies used by DPR (but not the specific equipment or supplies for the automated sampling equipment), dates of sampling, and sampling protocols and instructions. DPR will also provide transportation to the sampling sites (from the DPR warehouse) for all sampling events. In the equipment and supply line of the budget (Table II), DPR will also pay for equipment repairs of equipment used at the automated sampling sites, to the limit defined in Table II and within the equipment budget limit.

**EXHIBIT B**  
**Standard Agreement**

**BUDGET DETAIL AND PAYMENT PROVISIONS**

**1. Invoicing**

- A. For services performed according to the scope of work in Exhibit A of this Agreement and upon receipt and approval of the invoices by DPR's Contract Manager, DPR agrees to compensate Contractor, in arrears, for actual allowable costs incurred as specified herein and in accordance with the rates specified herein or attached hereto. Incomplete or disputed invoices shall be returned to Contractor, unpaid, for correction.
- B. Invoices shall include the Agreement Number, shall be itemized in accordance with the Rates detailed in Item 4 of this Exhibit, and submitted in triplicate, not more frequently than monthly or less than quarterly in arrears, to:

Department of Pesticide Regulation  
Attn: Accounts Payable  
P.O. Box 4015, MS-4A  
Sacramento, CA 95812-4015

**2. Budget Contingency Clause**

- A. It is mutually agreed that if the Budget Act of the current year and/or any subsequent years covered under this Agreement does not appropriate sufficient funds for the program, this Agreement shall be of no further force and effect. In this event, DPR shall have no liability to pay any funds whatsoever to Contractor or to furnish any other considerations under this Agreement and Contractor shall not be obligated to perform any provisions of this Agreement.
- B. If funding for any fiscal year is reduced or deleted by the Budget Act for purposes of this program, DPR shall have the option to either cancel this Agreement with no liability occurring to DPR, or offer an Agreement Amendment to Contractor to reflect the reduced amount.

**3. Payment**

- A. Costs for this Agreement shall be computed in accordance with State Administrative Manual (SAM) Sections 8752 and 8752.1.
- B. Nothing herein contained shall preclude advance payments pursuant to Article 1, Chapter 3, Part 1, Division 3, Title 2 of the California Government Code, Sections 11256 and 11257.
- C. Contractor will be reimbursed for direct costs, other than salary costs, that are identified in the Contractor's rates.

**EXHIBIT B  
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- D. Transportation and subsistence costs shall not exceed rates authorized to be paid UC system non-represented employees traveling within California.
- E. Contractor will bill in arrears for costs incurred during the billing period. If applicable, salary costs will be itemized and billed by position. Documentation supporting specific salary costs will be presented if requested by DPR. Non-wage costs will be billed, in summary, according to general expense categories. A detailed report of transactions will support the billing. Individual expenditures exceeding \$500.00 will be supported by a photocopy of the original documentation. Documentation in support of expenditures less than \$500.00 will be presented if requested by DPR.
- F. Contractor shall not commence performance of work or services prior to approval of this contract by the State. No payment will be made prior to approval nor for any work performed prior to approval of this Agreement.
- G. Ten percent (10%) of each invoice amount shall be withheld by DPR until completion of the services performed according to the scope of work of this Agreement.

**4. Rates**

Table I – Estimated expenditures by budget line item and fiscal year.

<b>Budget Line Item</b>	<b>FY 13-14</b>	<b>FY 14-15</b>	<b>TOTAL</b>
1. Salaries & Wages <sup>①</sup>	\$16,299	\$9,746	\$26,045
2. Benefits <sup>②</sup>	\$8,991	\$5,312	\$14,303
3. Travel (in state) <sup>③</sup>	\$900	\$150	\$1,050
4. Supplies and minor equipment <sup>④</sup>	\$12,774	\$128	\$12,902
Subtotal of Direct Costs	\$38,964	\$15,336	\$54,300
5. Overhead@25% of Direct Costs <sup>⑤</sup>	\$9,741	\$3,834	\$13,575
<b>Total</b>	<b>\$48,705</b>	<b>\$19,170</b>	<b>Grand Total \$67,875</b>

- ① Salary and wages: based on Ag Tech salary (or equivalent), and for LR Oki (Principal Investigator).
- ② Benefits include: worker's compensation and other benefits appropriate for the title
- ③ Invoice for payments on travel shall be based on current UC rates and guidelines. Travel is limited to trips to the sampling sites in the Sacramento CA area (includes Folsom and Roseville)
- ④ Supplies and minor equipment include includes modem services, maintenance supplies (as calibration solutions), equipment repair (even if owned by UC Davis but used in this project, and other minor equipment appropriate for the automatic sampling equipment. Line item does not include any equipment with a unit acquisition or repair of \$5,000 or more.
- ⑤ Indirect Cost: 25% indirect cost rate includes: depreciation of buildings and equipment, utility consumption, operations and maintenance costs, administrative services provided at the departmental and central level, and library costs.

**EXHIBIT B**  
**Standard Agreement**

Table II. Details on Personnel Costs.

**FY 2013-2014**

<b>Salaries &amp; Wages</b>	<b>Monthly Wage</b>	<b>Number of Months</b>	<b>Percentage of Time</b>	<b>Amount</b>
CE Spec (salary offset) (LR Oki)	\$6,392	7.0	4.55%	\$2,036
Ag Tech. (or equivalent)	\$3,649	7.0	55.84%	\$14,263
<b>Subtotal Salary and Wages</b>				<b>\$16,299</b>
<b>Benefits</b>				
CE Spec (salary offset) (LR Oki) (31.14%)	\$1,990	7.0	4.55%	\$634
Ag Tech (58.6%)	\$2,138	7.0	55.84%	\$8,357
<b>Subtotal Benefits</b>				<b>\$8,991</b>
<b>FY 13-14 Personnel &amp; Benefits Subtotal</b>				<b>\$25,290</b>

**FY 2014-15**

<b>Salaries &amp; Wages</b>	<b>Monthly Wage</b>	<b>Number of Months</b>	<b>Percentage of Time</b>	<b>Amount</b>
CE Spec (salary offset) (LR Oki)	\$6,392	5	4.55%	\$1,454
Ag Tech. (or equivalent)	\$3,649	5	45.45%	\$8,292
<b>Subtotal Salary and Wages</b>				<b>\$9,746</b>
<b>Benefits</b>				
CE Spec (salary offset) (LR Oki)	\$1,990	5	4.55%	\$453
Benefits – Ag Tech (58.6%)	\$2,138	5	45.45%	\$4,859
<b>Subtotal Benefits</b>				<b>\$5,312</b>
<b>FY 14 - 15 Personnel &amp; Benefits Subtotal</b>				<b>\$15,058</b>

**5. Cost Limitation**

- A. The total amount of this Agreement shall not exceed \$ 67,875.00.
- B. It is understood and agreed that this total is an estimate and that DPR will pay for only those services actually rendered as authorized by the DPR Contract Manager or his/her designee.

**EXHIBIT D**  
**Standard Agreement**

**SPECIAL TERMS AND CONDITIONS**

**1. Termination**

- A. Either Party reserves the right to terminate this agreement without cause upon thirty (30) days written notice to the other Party, or immediately in the event of a material breach. In the event of termination, Contractor shall be paid for all allowable costs incurred up to the date of termination, including any non-cancelable obligations.
- B. In the event that the total Agreement amount is expended prior to the expiration date, DPR may, at its sole discretion, terminate this Agreement with 30 days written notice to contractor.

**2. Subcontracting**

Contractor shall perform the work contemplated with resources available within its own organization and no portion of the work shall be subcontracted.

**3. Dispute Resolution**

- A. DPR reserves the right to issue an order to stop work in the event that a dispute should arise, or in the event that DPR gives the performing agency a notice that this Agreement will be terminated. If DPR exercises this right, the stop-work order will be in effect until the dispute has been resolved or this Agreement has been terminated.
- B. Any dispute concerning a question of fact arising under the terms of this Agreement which is not disposed of within a reasonable period of time by agency employees normally responsible for the administration of this agreement, shall be brought to the attention of the Executive Officer or designated representative of each agency for joint resolution.
- C. The Contractor shall continue to perform all its responsibilities under this agreement during any dispute until notified to stop work or expiration of this Agreement.

**4. Harassment Free Workplace**

The Department of Pesticide Regulation (DPR) is committed to providing a safe, secure environment, free from sexual misconduct. It is policy of the Department that employees have the right to work in an environment that is free from all forms of discrimination, including sexual harassment. This policy specifically speaks to freedom from a sexually harassing act that results in the creation of an intimidating, hostile or offensive work environment or that otherwise interferes with an individual's employment or work performance. As a Contractor with DPR, you and your staff are expected to comply with a standard of conduct that is respectful and courteous to DPR employees

**EXHIBIT D**  
**Standard Agreement**

and all other persons contacted during the performance of this Agreement. Sexual harassment is unacceptable, will not be tolerated; and may be cause for prohibiting some or all of the Contractor's staff from performing work under this Agreement.

**EXHIBIT E**  
**Standard Agreement**

**ADDITIONAL PROVISIONS**

**1. Disposition of Work Product**

DPR retains use and non-commercial governmental distribution rights to all deliverables identified in Exhibit A of this Agreement

**2. Contractor Evaluation**

The Contractor is hereby notified that its performance under this Agreement shall be evaluated within thirty (30) calendar days following the Expiration of this Agreement. The evaluation may include statements on the adequacy of the service or the product, whether the service was satisfactory, whether the service or the product was provided or completed within the time limitations, reasons for time or cost overruns, whether the product is operational or being utilized by the State, and/or the State plans for implementation, and the State's general impression as to the competency of the Contractor and its staff. The evaluation shall be filed in the State's official Contractor Evaluation File.

**3. Consulting Services**

- A. The Contractor is hereby advised of its duties, obligations and rights under Public Contract Code § 10335.5.
- B. The Contractor's key personnel assigned to perform work under this Agreement and their level of responsibility shall be mutually acceptable to the State and the Contractor.

**EXHIBIT F**  
**Standard Agreement**

Lorence (Loren) R. Oki  
Cooperative Extension Specialist, Landscape Horticulture

Department of Plant Sciences, MS 6  
University of California  
One Shields Avenue  
Davis, CA 95616-8780 USA

1110 Env Hort  
Phone: (530) 754-3145  
Fax: (530) 754-4883  
email: [lroki@ucdavis.edu](mailto:lroki@ucdavis.edu)

I have been a member of the faculty at UC Davis since 2002 and serve as the Cooperative Extension Specialist in Landscape Horticulture. This appointment is held jointly with the Department of Plant Sciences (80%) and the Landscape Architecture Program in the Department of Environmental Design (20%).

My research focuses on water issues in urban horticulture. I currently lead a large project funded by the California State Water Resources Control Board and the CALFED Bay-Delta Program that is characterizing runoff from residential areas and studies the effectiveness of management methods to reduce the runoff and the pollutants that may be included in it. There are four study sites in Sacramento County and four more in Orange County used in this project. This project also develops information to promote the implementation of low impact landscape management methods and measures the effectiveness of outreach methods. From our data, pollutant loading models are being developed to demonstrate how changes in landscape features might affect loading.

To refine irrigation management in urban landscapes, my research group is examining the water use of plants selected from the UC Davis Arboretum that are potential ornamental landscape plants. Selected plants are distributed to several demonstration sites around the State for further evaluations by UCCE Master Gardeners for garden performance in different climate zones.

A completed project funded by the Santa Clara Valley Water District quantified the tolerance of Coast Redwood to sodium and chloride when they are irrigated with low quality water. Future work will look at the tolerance of landscape plants to irrigation with low quality water such as reclaimed municipal water.

My group is examining how slow sand filtration and other natural water treatment systems remove plant pathogens, including *Phytophthora ramorum* the organism that causes Sudden Oak Death disease, and other pollutants from nursery irrigation runoff. The treated water could then be safely reused for irrigation.

## EXHIBIT F Standard Agreement

My Ph.D. is in Ecology (2002) from UC Davis and I conducted my dissertation research in the Environmental Horticulture (now Plant Sciences) Department quantifying the effects of salinity on rose stem elongation rates. I hold an M.S. in Plant Science from UC Riverside (1976) where I worked in plant tissue culture studying the role of chromosomal proteins in cell differentiation. My B.S. in Ornamental Horticulture (1974) is from California State Polytechnic University, San Luis Obispo. Prior to receiving my doctorate, I worked in the horticulture industry as a grower of nursery and greenhouse crops in the Sacramento area.

### EDUCATION

**Ph.D.**, Ecology, University of California, Davis, March 2002. Dissertation: Effects of Substrate Salinity on Rose Stem Elongation. Advisor: Dr. J. Heinrich Lieth

**Certificate**, Program in College Teaching, University of California, Davis, June 1998

**Master of Science**, Plant Science, University of California, Riverside. June 1976. Advisor: Dr. Toshio Murashige

**Bachelor of Science**, Ornamental Horticulture, California Polytechnic State University, San Luis Obispo, June 1974. Advisor: Dr. Howard Brown.

## EXHIBIT F Standard Agreement

### RESEARCH

UC Davis, October 2002 - present

Characterizing runoff from urban sources. Developing management methods to reduce water use, runoff, and pollutant loading from urban landscapes. Evaluating the water use of landscape plants. Introduction of plants for landscape uses. Using slow sand filtration systems to treat runoff. Tolerance of landscape plants to low quality water.

### TEACHING (SELECTIONS)

**Instructor**. Urban Ecology. PLS162. UCD. Winter 2009 & 10. Presented class on pollution from urban landscapes.

**Instructor**. Integrative Horticulture and Agronomy - Practices. HRT200A. UCD. Spring 2008, Fall 2008, 09, & 10. Presented classes on landscape water issues.

**Instructor**. Proseminar, LDA 190, UCD. Fall 2003. Organized "Landscape Management" series.

**Instructor**. Greenhouse and Nursery Management, ENH125. Presented classes and labs on bedding plant production and fertility management. Winters 2002-10

**Instructor**. Introduction to Greenhouse Management. UC Davis Extension. 2001, 2002, 2003.

### PUBLICATIONS (SELECTIONS)

Gan, J., Bondarenko, S., L. Oki, D. Haver, J.X. Li. 2012. Occurrence of fipronil and its biologically active derivatives in urban residential runoff. Environ. Sci. & Technol., 46, 1489-1495.

Lin, K., D. Haver, L. Oki, and J. Gan. 2009. Persistence and sorption of fipronil degradates in urban stream sediments. Env. Tox. & Chem. 28(7): 1462-1468.

Lin, K., D. Haver, L. Oki, and J. Gan. 2008. Transformation and sorption of fipronil in urban stream sediments. J. Agric. Food Chem. 56(18): 8594-8600.

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Reid, S.K. and L.R. Oki. 2008. Trial identifies promising selections for UC Davis Arboretum "All-Stars" Plant Introduction Program. Calif. Ag. 62(3): 97-104.

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.

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.

Oki, L.R., N.S. Mattson, and J.H. Lieth. 2006. Predicting stem length of cut flower roses as harvest using stem elongation rates in relationship to developmental events. Acta Hort. 718:113-120.

Oki, L.R. and J.H. Lieth. 2004. Effect of changes in substrate salinity on the elongation of *Rosa hybrida* L. "Kardinal" stems. Sci. Hort. 101: 103-119.

**ACADEMIC SERVICE, UNIVERSITY OF CALIFORNIA (SELECTIONS)**

Co-Director, UC Nursery and Floriculture Alliance, 2009-present

Director, Env. Horticulture Research & Info. Ctr., Div. Agric. and Nat. Res., 2009-present

Associate Editor, Environmental Horticulture, Div. Agric. and Nat. Res., 2003-2009

Member, UCCE Hansen Trust Research Advisory Committee, 2007-present

Co-Chair, CA Ctr. for Urban Horticulture Implementation Comm., UCD CA&ES, 2005-06

Member, Env. Hort. & Urban Forestry Major Comm., UCD Dept. Plant Sci., 2005-present

Chair, Div. Agric. and Nat. Res., Landscape Horticulture Workgroup, 2003-08

Member, Div. Agric. and Nat. Res., Landscape Horticulture Workgroup, 2002-present

Member, Div. Agric. and Nat. Res., Floriculture and Nursery Workgroup, 1998-present

Member, Div. Agric. and Nat. Res., Turfgrass Workgroup, 2007-present

Member, Div. Agric. and Nat. Res., Water Quality Workgroup, 1998-present

**PROFESSIONAL SERVICE AND AFFILIATIONS (SELECTIONS)**

**CA Dept of Water Resources**

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

**Ecolandscape California**

Committee Member, 2004-present

**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

President, Western Region, 1992-93

Vice President, Western Region, 1989-92

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

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**California Association of Nurseries and Garden Centers**

Member, 1978-present  
Member, Career and Education Committee, 2000-2008  
Member, Research Advisory Committee, 1983-present  
Member, Board of Directors, Superior Chapter, 1978-88, 91-92, 2003-present  
Chair, Research Advisory Committee, 1989-91  
Member, Board of Directors, 1986-88, 91-92  
Founding Chair, Plant Protection Issues Committee, 1988-89  
Member, Plant Protection Issues Committee, 1988-1994  
Founding Member, Legislative and Regulatory Committee, 1988-90  
Secretary, Superior Chapter, 1981-84, 2004-07  
President, Superior Chapter, 1986-87  
President Elect, Superior Chapter, 1985-86  
Vice President, Superior Chapter, 1984-85

Member, American Society of Horticultural Science, 1999-present  
Member, International Society of Horticultural Science, 1999-present  
Member, American Nursery and Landscape Association, 2002-present  
Member, California Landscape Contractors' Association, 2005-present  
Member, Society of Environmental Toxicology and Chemistry, 2007-present  
Member, American Chemical Society, 2009-present

**PROFESSIONAL EXPERIENCE**

Oki Nursery Company, Sacramento, CA, 1978-93