

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


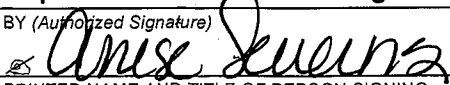
AGREEMENT NUMBER 13-C0029
REGISTRATION NUMBER

- 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
- The term of this Agreement is: August 1, 2013 or upon final approval by the State, whichever occurs later through June 30, 2016
- The maximum amount of this Agreement is: **\$ 180,000.00**
One hundred eighty thousand dollars and no cents
- 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.

Exhibit A – Scope of Work	8 Pages
Exhibit B – Budget Detail and Payment Provisions	4 Pages
Exhibit C* – General Terms and Conditions (GIA 610)	
Exhibit D - Special Terms and Conditions	2 Pages
Exhibit E – Additional Terms and Conditions	1 Pages
Exhibit F – Resume / Curriculum Vitae	3 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.

CONTRACTOR	
CONTRACTOR'S NAME (if other than an individual, state whether a corporation, partnership, etc.) The Regents of the University of California	
BY (Authorized Signature) 	DATE SIGNED (Do not type) 7/5/13
PRINTED NAME AND TITLE OF PERSON SIGNING Sandra M. Stevens <i>2808</i>	
ADDRESS Associate Director, Sponsored Programs Office of Research, Sponsored Programs 1850 Research Park Drive, Suite 300, Davis, CA 95618	
STATE OF CALIFORNIA	
AGENCY NAME Department of Pesticide Regulation	
BY (Authorized Signature) 	DATE SIGNED (Do not type) 8/7/13
PRINTED NAME AND TITLE OF PERSON SIGNING Anise Severns, Assistant Director	
ADDRESS 1001 I Street, 4 th Floor, Sacramento, CA 95814	

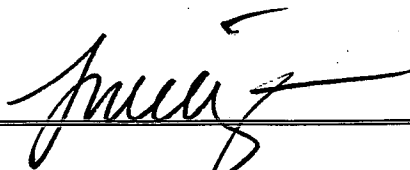
California Department of General Services Use Only

APPROVED

AUG 15 2013

DEPT OF GENERAL SERVICES

Exempt per:



**EXHIBIT A
STANDARD AGREEMENT**

SCOPE OF WORK

1. This Agreement is between the Regents of the University of California, hereinafter referred to as Contractor, and the Department of Pesticide Regulation, hereinafter referred to as DPR.
2. This Agreement will commence on the start date of August 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 June 30, 2016. The services shall be provided during normal working hours, Monday through Friday, except state holidays.
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, **Xin Deng**, Ph.D., or designee at:

Department of Pesticide Regulation
Environmental Monitoring Branch
1001 I Street
P.O. Box 4015
Sacramento, CA 95812-4015

Phone 916-445-2506; Fax (916) 324-4405
Email address: xdeng@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

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- C. All programmatic communications from DPR to the Contractor shall be directed to the attention of **Dr. Swee Teh** or designee at:

Dr. Swee Teh
Department of Anatomy, Physiology and Cell Biology
UC Davis
One Shields Avenue
Davis, CA 95616-8584

Phone: (530) 754-8383; Fax: (530) 752-7690
Email: sjteh@ucdavis.edu

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

Erica Ballinger
Office of Research, Sponsored Programs
1850 Research Park Drive, Suite 300
Davis, CA 95618-6153
Phone: (530) 754-7982; FAX: (530) 754-8229
Email Address: awards@ucdavis.edu

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

The Regents of the University of California
Cashier's Office
University of California Davis
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 of the parties without the necessity of an amendment to the agreement.

4. Contractor agrees to provide the following services:

A. Goals and Objectives

One of the goals of DPR's Surface Water Protection Program is to develop a long-term monitoring strategy that can be used to evaluate the efficacy of site-specific mitigation practices designed to reduce urban pesticide use and runoff. Livermol Community Park in Folsom, CA, contains a constructed water quality treatment pond, and is one of DPR's local study areas with a strong chemical monitoring program. The approach of this study is to combine standardized, laboratory toxicity testing with parallel field toxicity testing via tethered habitat cages to evaluate the

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toxicity of storm runoff. Data collected from this combination of laboratory and field assays can help answer the following question: **Does the constructed water quality treatment pond in Livermol Community Park mitigate the effect of pesticide runoff from this residential area of Folsom on laboratory and local aquatic invertebrates?**

Toxicity testing with *Hyalella azteca* and *Selenastrum capricornutum* can help elucidate whether mitigation efforts in Folsom are successful in reducing the effects of urban runoff. *H. azteca* is sensitive to many current-use insecticides, and *S. capricornutum* is sensitive to herbicides. Comparing the toxicity of water collected from above and below the pond will allow us to determine whether the constructed water quality pond helps mitigate aquatic toxicity due to stormwater runoff. Dilution series tests may be necessary to detect the influence of mitigation efforts if toxicity is too severe. In data collected from the dilution series, comparisons in the magnitude of toxicity (Toxic Units) can be made between the upstream and downstream sites of the pond, and these data will be used to assess the pond's mitigation efficacy.

A concurrent field component in this study, using habitat samplers comprised of invertebrates collected from nearby waterways, will determine what impact stormwater runoff has on the local macroinvertebrate community. This in situ data will reveal whether local macroinvertebrate communities are affected by contaminants and whether this method is of sufficiently low variance to give useful results.

B. Approach and methods

Task 1. Preliminary benthic macroinvertebrate community survey and habitat characterization

- 1.1 Kicknet samples of benthic macroinvertebrates (BMIs) will be collected from two upstream inlet sites (F2, F3), one downstream outlet site (F5), and near site F100. This BMI collection will be timed to match the deployment of habitat samplers for colonization (see Task 3), approximately one month prior to the first fall and the last spring event, to determine the diversity of BMIs within the local aquatic community.
- 1.2 Preserved BMIs will be performed by a taxonomist at UCD.
- 1.3 Physical habitats (size, flow, depth, substrate etc.) water quality data (pH, temperature, turbidity, conductivity etc.) will be assessed.

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Task 1 Deliverables: Summary tables submitted in annual progress reports

Task 2 Laboratory toxicity testing

- 2.1 Laboratory toxicity testing with *H. azteca* and *S. capricornutum* will be used to compare the toxicity of stormwater samples collected at two upstream inlet sites (F2 and F3) and one downstream outlet site (F5) of the constructed water quality treatment pond in Folsom, CA. Test endpoints will be survival (*H. azteca*) and cell growth (algae). Up to four major rain events will be collected for laboratory toxicity testing, to be conducted between October 1 and April 30 of each of the first two sampling years and up to three major rain events between October 1 and December 20 of the third sampling year. These exposures will be timed to represent the first flush through the dormant spray period.
- 2.2 If mortality or a reduction of cell growth reaches a threshold of >50% after 96 h at any of these sites, dilution series tests will be conducted to quantify the magnitude of toxicity present in each sample.

Task 2 Deliverables: Summary tables submitted in annual progress reports

Task 3 Habitat sampler in situ exposures

- 3.1 Prior to each rain event, habitat samplers will be deployed during the first week of each month from September 1 to March 31 of each project year to ensure organism availability for unpredictable storm events.
- 3.2 Field exposures utilizing habitat samplers in situ will be conducted in parallel with the laboratory toxicity tests outlined in Task 2. Habitat samplers will be installed in up to four sites, including two upstream inlet sites (F2 and F3), one downstream outlet site (F5), and the initial colonization site(s). Habitat samplers will be deployed for up to 96 h depending on the amount of precipitation and the duration of the storm.
- 3.3 At the end of each in situ exposure period, replicate cages will be brought back to the lab for live-sorting. Test endpoint for these exposures is survival (number of living animals / total number of organisms found).

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- 3.4 In situ exposures will be performed based on the method described in 3.1-3.3 in dry seasons. The timing of the exposures will coincide with DPR's dry season sampling events.

Task 3 Deliverables: Summary tables submitted in annual progress reports

Task 4. Reporting

- 4.1 No later than June, 2014, and annually thereafter, for the duration of this Agreement, the Contractor will submit to the DPR Project Coordinator summary tables of the work performed in annual progress reports.
- 4.2 No later than June, 2014, the Contractor will submit to the DPR Project Coordinator brief annual progress reports describing the activities undertaken, accomplishment of milestones, any problems encountered in the performance of the work under this Agreement, and delivery of intermediate products, if any (e.g., summary tables).
- 4.3 No later than June, 2015, the Contractor will submit to the DPR Project Coordinator brief annual progress reports describing the activities undertaken, accomplishment of milestones, any problems encountered in the performance of the work under this Agreement, and delivery of intermediate products, if any (e.g., summary tables).
- 4.4 No later than March, 2016, the Contractor will submit to the DPR Project Coordinator the draft final project report for review and comment. No later than April, 2016, the DPR Project Coordinator will submit to the Contractor comments on the draft final project report. No later than June, 2016, the Contractor will submit electronic copies of the final project report to the DPR Project Manager.

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C. Project Timeline

2013

Task	Aug	Sep	Oct	Nov	Dec
1.1 Benthic Macroinvertebrate Collection	X				
1.2 Species Diversity Evaluation			X		
2.1 Laboratory Toxicity Tests			X	X	X
2.2 Dilution Series Tests			X	X	X
3.1 Habitat Sampler Colonization	X	X	X	X	X
3.2 In Situ Exposure	X	X	X	X	X
3.3 Live-sorting			X	X	X
4.1 Summary Table Generation					X
4.2 Annual Progress Report					
4.3 Final Project Report					

2014

Task	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1.1 Benthic Macroinvertebrate Collection			X				X					
1.2 Species Diversity Evaluation			X	X						X		
2.1 Laboratory Toxicity Tests	X	X	X	X						X	X	X
2.2 Dilution Series Tests	X	X	X	X					X	X	X	X
3.1 Habitat Sampler Colonization	X	X	X	X				X	X	X	X	X
3.2 In Situ Exposure	X	X	X	X				X	X	X	X	X
3.3 Live-sorting	X	X	X	X								
4.1 Summary Table Generation	X	X	X	X	X							
4.2 Annual Progress Report						X						
4.3 Final Project Report						X						

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2015

Task	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1.1 Benthic Macroinvertebrate Collection			X					X				
1.2 Species Diversity Evaluation				X						X		
2.1 Laboratory Toxicity Tests	X	X	X	X						X	X	X
2.2 Dilution Series Tests	X	X	X	X						X	X	X
3.1 Habitat Sampler Colonization	X	X	X						X	X	X	X
3.2 In Situ Exposure	X	X	X	X			X	X		X	X	X
3.3 Live-sorting	X	X	X	X						X	X	X
4.1 Summary Table Generation	X	X	X	X	X	X						
4.2 Annual Progress Report						X						
4.3a Draft Final Project Report Due						X						
4.3b Draft Final Project Report Review Period												
4.3c Complete Final Project Report Due												

2016

Task	Jan	Feb	Mar	Apr	May	Jun
1.1 Benthic Macroinvertebrate Collection						
1.2 Species Diversity Evaluation						
2.1 Laboratory Toxicity Tests						
2.2 Dilution Series Tests						
3.1 Habitat Sampler Colonization						
3.2 In Situ Exposure						
3.3 Live-sorting						
4.1 Summary Table Generation	X					
4.2 Annual Progress Report			X			
4.3a Draft Final Project Report Due			X			
4.3b Draft Final Project Report Review Period				X		
4.3c Complete Final Project Report Due						X

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5. DPR Responsibility

Provide acknowledgement of receipt of study protocol and report within 30 days of submission.

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.

EXHIBIT B
Standard Agreement

- C. Contractor will be reimbursed for direct costs, other than salary costs, that are identified in the Contractor's rates.
- D. 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.
- E. 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.

4. Rates

Rates for these services are as follows:

Table 1 – Cost Totals

	Total Amount
1. Salaries & Wages	105,794
2. Benefits ① <i>(Based on UCD approved/projected composite rates)</i>	21,774
3. Travel ②	5000
4. Supplies③	11,432
5. Contractual	0
6. Minor Equipment④ or Equipment	0
7. Indirect Cost⑤ 25%	36,000
Total Amount	180,000

①Benefits include: Worker's Compensation and other benefits appropriate for title
 ②Travel includes: Invoice for payments on travel shall be based on current UCD approved rates
 ③Supplies include: Copying services, field sampling supplies, lab supplies, reagents
 ④Minor Equipment: line item does not include any equipment with a unit acquisition of \$5,000 or more. If over 5,000 then line item must be identified as "Equipment" line item and Exhibit E will require special language.
 ⑤Indirect 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.

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Table II - Details Personnel
FY 2013-2014

Salaries & Wages	Monthly	Number of Months	Percentage of Time	Total Amount
Swee Teh (PI)	9900	11	2.5	2723
Linda Deanovic	6000	11	5.0	3300
Bruce Hammock	3272	11	50.0	17996
2 Student Assistant	1473.3	11	25.0	8103
Total Salaries & Wages				32122
Benefits				
Swee Teh (PI)	3277	11	2.5	901
Linda Deanovic	2874	11	5.0	1581
Bruce Hammock	687	11	50.0	3779
2 Student Assistant	19	11	25.0	105
Total Benefits				6366
13-14 Personnel				38488

FY 2014-15

Salaries & Wages	Monthly	Number of Months	Percentage of Time	Total Amount
Swee Teh (PI)	9900	12	2.5	2970
Linda Deanovic	6000	12	5.0	3600
Bruce Hammock	3447	12	50.0	20682
2 Student Assistant	1473.3	12	25.0	8840
Total Salaries & Wages				36092
Benefits				
Swee Teh (PI)	3533	12	2.5	1060
Linda Deanovic	3065	12	5.0	1839
Bruce Hammock	731	12	50.0	4385
2 Student Assistant	19	12	25.0	115
Total Benefits				7399
14-15 Personnel				43491

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FY 2015-16

Salaries & Wages	Monthly	Number of Months	Percentage of Time	Total Amount
Swee Teh (PI)	9900	12	2.5	2970
Linda Deanovic	6000	12	5.0	3600
Bruce Hammock	3695	12	50.0	22170
2 Student Assistant	1473.3	12	25.0	8840
Total Salaries & Wages				37580
Benefits				
Swee Teh (PI)	3703	12	2.5	1111
Linda Deanovic	3250	12	5.0	1950
Bruce Hammock	806	12	50.0	4833
2 Student Assistant	19	12	25.0	115
Total Benefits				8009
15-16 Personnel				45589

5. Cost Limitation

- A. The total amount of this Agreement shall not exceed \$ 180,000.00.
- 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 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
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ADDITIONAL PROVISIONS

1. 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.

2. 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.

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NAME Teh, Swee Joo		POSITION TITLE Research Toxicologist/Pathologist	
EDUCATION			
INSTITUTION AND LOCATION	DEGREE (if applicable)	YEAR(s)	FIELD OF STUDY
West Virginia University, Morgantown	B.Sc.	1985	Medical Technology
West Virginia University, Morgantown	M.Sc.	1987	Human Anatomy
University of California, Davis	Ph.D.	1996	Comparative Pathology

A. Positions and Honors.

Positions and Employment

- 1985-1987 Graduate Research Assistant, Human Anatomy, West Virginia University
- 1987-2001 Staff Research Associate II-IV, Laboratory Director of Aquatic Toxicology Program, University of California-Davis
- 2001-2004 Assistant Research Toxicologist/Pathologist IV, Department of Anatomy, Physiology, and Cell Biology, University of California-Davis
- 2004-2008 Associate Research Toxicologist/Pathologist III, Department of Anatomy, Physiology, and Cell Biology, University of California-Davis
- 2009-Present Research Toxicologist/Pathologist I, Department of Anatomy, Physiology, and Cell Biology, University of California-Davis

Honors and Awards

- America Society of Medical Technology (1985)
- America Society of Clinical Pathologists (1985)
- Mu Tau Medical Technology (1983)
- Mu Tau Scholarship (1984)
- Employee of the Month, University of California (1994-1995)
- Incentive Award, University of California (1994-1995)

B. Selected Publications (26 of 55).

- Teh, S.J., and Hinton, D.E. 1993. Detection of enzyme histochemical markers of hepatic preneoplasia and neoplasia in medaka (*Oryzias latipes*). *Aquat.Toxicol.* 24:163-182.

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- Teh, S.J., Adams, S.M., and Hinton, D.E. 1997. Histopathologic biomarkers in feral freshwater fish populations exposed to different types of contaminant stress. *Aquat. Toxicol.* 37:51-70.
- Teh, S.J., and Hinton, D.E. 1998. Gender-specific growth and hepatic neoplasia in medaka (*Oryzias latipes*). *Aquat. Toxicol.* 41:141-159.
- Teh, S.J., Clark, S.L., Brown, C., Luoma, S.N. and Hinton, D.E. 1999. Enzymatic and histopathologic biomarkers as indicator of environmental contaminant exposure and effect in Asian clam (*Potamocorbula amurensis*). *Biomarker.* 4:497-509.
- Teh, S.J., Miller, C.E., and Hinton, D.E. 2000. Hermaphroditism in laboratory cultured albino western mosquitofish (*Gambusia affinis affinis*). *J. Aquat. Anim. Health.* 12: 78-80, 2000.
- Teh, S.J., Werner, I., and Hinton, D.E. 2000. Chronic Toxicity of Chromium VI in Asian Clam (*Potamocornula Amurensis*). *Mar. Environ. Res.* 50: 295-300.
- Barron, M.G., et al., Teh, S.J. and et al., 2000. PCBs, Liver Lesions, and Biomarker Responses in Adult Walleye (*Stizostedium vitreum vitreum*) Collected from Green Bay, Wisconsin. In: *Journal of Great Lakes Research.* 26(3):250-271.
- Teh, S.J., Deng, X., Teh, F.C., Hung, S.S.O. 2002. Selenium-induced teratogenicity in sacramento splittail (*pogonichthys macrolepidotus*). *Mar. Environ. Res.* 54 (3-5):605-608
- Tay, K.L., Teh, S.J., Doe, K., Lee, K, and Jackman, P. Histopathologic and histochemical biomarker responses of Baltic clam, *Macoma balthica*, to contaminated Sydney Harbour sediment, Nova Scotia, Canada. *Environ. Health Persp.* 111 (3): 273-280 2003.
- Teh, S.J., Wong, C., Furtula, V, and Teh, FC. Lethal and Sublethal Toxicity of Didecyldimethylammonium Chloride (DDAC) in Early Life Stages of White Sturgeon (*Acipenser transmontanus*). Accepted in *Environ. Tox. Chem.*
- Teh, S.J., Deng, X., Deng, D.F., Teh, F.C., Hung, S.S.O., Fan, W-M.T, Liu, J., and Higashi. Chronic Effects of Dietary Selenium on Juvenile Sacramento Splittail (*Pogonichthys Macrolepidotus*). *Environ. Sci. Technol.*; 38(22) pp 6085 - 6093. 2004
- Teh, S.J., Deng, D.F., Werner, I., Teh, FC, and Hung, S.S.O. Sublethal Toxicity of Orchard Stormwater Runoff in Sacramento Splittail (*Pogonichthys macrolepidotus*) Larvae. *Mar. Environ. Res.* 59: 203-216. 2005
- Tashjian, D.H., Teh, S.J., Sogomonyan, A., and Hung, S.S.O. Bioaccumulation and chronic toxicity of dietary L-selenomethionine in juvenile white sturgeon. *Aqua. Toxicol.* 79(4):401-409. 2006
- Hall, L.C., Okihiro, M., Johnson, M.L., and Teh, S.J. Surflantrade mark and oryzalin impair reproduction in the teleost medaka (*Oryzias latipes*). *Mar. Environ. Res.* 63 115-131, 2007

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- León, A., Teh, S.J., Hall, L.C., and Teh, F.C. Androgen Disruption of Early Development in Qurt Strain Medaka (*Oryzias latipes*). *Aquat. Toxicol.* 82: 195-203. 2007
- Deng, D.F., Hung, S.S.O., and Teh, S.J. Selenium depuration: Residual effects of dietary selenium on Sacramento splittail (*Pogonichthys macrolepidotus*). *Sci of the Total Environ.* 377: 224-232. 2007
- León, A., Wu, P.S., Hall, L.C., Johnson, M.L., and Teh, S.J. Global Gene Expression Profiling of Androgen Disruption in Qurt Strain Medaka. *Environ Sci. Technol.* 42: 962-969 2008
- Greenfield, B.K., Teh, S.J., John R Ross, Hunt, J., Zhang, G.H., Davis, J.A., Ichikawa, G., Crane, D., Hung, S.S.O., Deng, DF., Teh, F.C., Green, P.G. Contaminant concentrations and histopathological effects in Sacramento splittail. *Archives of Environ Contam and Toxicol* 55:2 :270 -81 2008
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