## Thursday, April 12

7:45 A.M.	Registration and Continental Breakfast
	Misty Mercier, SoCal SETAC Secretary; Joe Freas, SoCal SETAC Treasurer
	assortment of breakfast items, coffee, tea, and juice served
8:30 A.M.	Welcome and Announcements
	Keith Maruya, SoCal SETAC President; James Landry, Loyola Marymount University
8:45 A.M.	Tribute to Brock Bernstein
	Ken Schiff, Southern California Coastal Water Research Project; Chris Stransky, wood.
	Sediment Quality
	Facilitated by Chris Stransky, SoCal SETAC Vice President
9:00 A.M.	Development and Implementation of a Sediment Quality Assessment Framework for Protection of Benthic Communities in Bays and Estuaries
	Steve Bay, Southern California Coastal Water Research Project
9:30 A.M.	Sediment Quality Objectives for Enclosed Bays and Estuaries of California - Protecting Human Consumers of Sportfish from Contaminants in Sediment that Bioaccumulate into Fish Tissue
	Chris Beegan, California State Water Resources Control Board
10:00 A.M.	Chris Beegan, California State Water Resources Control Board Break
10:00 A.M.	
<i>10:00 A.M.</i> 10:30 A.M.	Break
	Break assortment of snack items, coffee, and tea served
	Break assortment of snack items, coffee, and tea served Evaluating Sediment Toxicity: Challenges, Uncertainties, and Lessons Learned
10:30 A.M.	Break assortment of snack items, coffee, and tea served Evaluating Sediment Toxicity: Challenges, Uncertainties, and Lessons Learned Jeffery Steevens, US Geological Survey Compliance with Sediment and Fish Tissue TMDLs through Sediment Quality
10:30 A.M.	Break         assortment of snack items, coffee, and tea served         Evaluating Sediment Toxicity: Challenges, Uncertainties, and Lessons Learned         Jeffery Steevens, US Geological Survey         Compliance with Sediment and Fish Tissue TMDLs through Sediment Quality         Objectives: A Collaborative Approach         S. Anghera, Latitude Environmental, Inc.; Wendy Hovel, Anchor QEA, LLC; K. Curtis, A. Jirik, Port of Los Angeles; J. Vernon, M.         Arms, Port of Long Beach; S. Bay, Southern California Coastal Water Research Project; C. Beegan, State Water Quality Control
10:30 A.M. 11:00 A.M.	Break assortment of snack items, coffee, and tea served Evaluating Sediment Toxicity: Challenges, Uncertainties, and Lessons Learned Jeffery Steevens, US Geological Survey Compliance with Sediment and Fish Tissue TMDLs through Sediment Quality Objectives: A Collaborative Approach S. Anghera, Latitude Environmental, Inc.; Wendy Hovel, Anchor QEA, LLC; K. Curtis, A. Jirik, Port of Los Angeles; J. Vernon, M. Arms, Port of Long Beach; S. Bay, Southern California Coastal Water Research Project; C. Beegan, State Water Quality Control Board; L.B. Nye, T. Nguyen, Los Angeles Regional Water Quality Control Board Seasonal Toxicity Observed with Amphipods ( <i>Eohaustorius estuarius</i> ) at Paleta
10:30 A.M. 11:00 A.M.	Break         assortment of snack items, coffee, and tea served         Evaluating Sediment Toxicity: Challenges, Uncertainties, and Lessons Learned         Jeffery Steevens, US Geological Survey         Compliance with Sediment and Fish Tissue TMDLs through Sediment Quality         Objectives: A Collaborative Approach         S. Anghera, Latitude Environmental, Inc.; Wendy Hovel, Anchor QEA, LLC; K. Curtis, A. Jirik, Port of Los Angeles; J. Vernon, M.         Arms, Port of Long Beach; S. Bay, Southern California Coastal Water Research Project; C. Beegan, State Water Quality Control         Board; L.B. Nye, T. Nguyen, Los Angeles Regional Water Quality Control Board         Seasonal Toxicity Observed with Amphipods ( <i>Eohaustorius estuarius</i> ) at Paleta         Creek, San Diego Bay, USA         Nicholas Hayman, G. Rosen, M. Colvin, B. Chadwick, SPAWAR Systems Center Pacific; J. Munson-Decker, San Diego State





12:15 P.M.	Lunch
	"Little Italy" 3-course buffet including vegetarian/vegan pasta, chicken cacciatore, chocolate espresso cake, and non- alcoholic beverages served
1:15 P.M.	SETAC North America Update
	Jeffery Steevens, Research Toxicologist, U.S. Geological Survey, Columbia Environmental Research Center, National SETAC
	Passive Sampling
	Facilitated by Rachel Adams, SoCal SETAC Past President
1:30 P.M.	Passive Samplers for Monitoring Contaminants in the Environment: An Overview
	Rachel Adams, Loyola Marymount University
1:45 P.M.	Use of SPMEs to Detect Low Level Water Column PCBs and DDX in Support of Greater Harbor Waters Model Calibration
	<b>Wendy Hovel</b> , A. Martin, D. Opdyke, Anchor, QEA, LLC; S. Anghera, Latitude Environmental; K. Curtis, A. Jirik, Port of Los Angeles; M. Arms, J. Vernon, Port of Long Beach
2:15 P.M.	Actively Shaken In Situ Deployment: An Innovative Approach to Accelerate Equilibrium in Passive Samplers
	Meg Jalalizadeh, J. Conder, Geosyntec Consultants Inc.
2:45 P.M.	Comparison of Passive Sampling and In Vitro Approaches for PAH Bioavailability Studies of Skeet-impacted Soils
	Robert George, K. Sorensen, A. Obraztsova, SPAWAR Systems Center Pacific; J. Conder, GeoSyntec Consultants
3:15 P.M.	Break
·	assortment of snack items, coffee, and tea served
3:45 P.M.	Application of In Vivo SPME Sampling and Monitoring Trace Organic Compounds in Plant
	Fang Zhu, J. Gan, University of California, Riverside
4:15 P.M.	Measuring the Flux of Persistent Organic Pollutants Across the Sediment- Water Interface on the Palos Verdes Shelf Using Passing Samplers
	<b>Chi-Li Tang</b> , Sanitation Districts of Los Angeles County; L. Fernandez, Northeastern University; R. Burgess, US Environmenta Protection Agency
4:45 P.M.	Passive Samplers for Contaminant Monitoring in Surface Water: Future Research Needs
	Jay Gan, University of California, Riverside
5:00 P.M.	Break
	assortment of snack items, coffee, and tea served

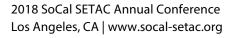




## 5:30–7:30 P.M. **POSTER SOCIAL**

heavy appetizers including cocktail meatballs, pork pot stickers, vegetable samosas, dessert, beer, wine, and non-alcoholic beverages served

Ca <sup>2+</sup> Dependent Gene Expression by Gene Regulator DREAM (Downstream Regulator Element Antagonist Modulator) and distal C-terminal (dCT) in Response to PCB95 and Triclosan Exposure
 Jorge Alfaro* and E. Holland, California State University, Long Beach
The Potential Environmental Impact of Discarded Cigarette Waste In Marine Sediments
 <b>Ian King</b> * California State University Dominguez Hills; V. Lorenzi, M. Blasius, and R. Gossett, IIRMES, California State University, Long Beach
Connecting Calcium Signaling Disruption with Altered Gene Transcription to Develop a Cellular Bioassay
 Nicolette Schuko*, E. Holland, California State University, Long Beach
<i>Ceriodaphnia dubia</i> Chronic Toxicity Test Variability: Evaluation of Food as a Source of Test Variability
B.C. Jorgenson, Krista Prosser, S.L. Clark, A.M. Briden, R.S. Ogle, and J. Cotsifas, Pacific EcoRisk
Ceriodaphnia dubia Chronic Toxicity Test Variability: Is There a Need for
Method Improvement?
Stephen Clark, B. Jorgenson, A. Briden, R. Ogle, and J. Cotsifas. Pacific EcoRisk
<i>Ceriodaphnia dubia</i> Chronic Toxicity Test Variability: Evaluation of Water as a Source of Test Variability
A. Briden, Stephen Clark, B. Jorgenson, R. Ogle, and J. Cotsifas, Pacific EcoRisk
Gemfibrozil Disinfection Byproducts: Occurrence in Aquatic Environments and Quantification of Biological Effects in Fish and Worms
Nicolette Andrzejczyk,* D. Schlenk, University of California, Riverside; J. Zhang, Chinese Academy of Sciences
An Environmentally Relevant Approach for Stormwater Toxicity Testing Compliance Monitoring
<b>Molly Colvin</b> , G. Rosen, C. Katz, N. Hayman, SPAWAR Systems Center Pacific, C. Stransky, wood., T. Hoang, Loyola University, Chicago; B. Phillips, B. Anderson, University of California, Davis; J. Diamond, Tetra Tech; H. Bailey, A. Cibor, Nautilus Environmental
Evaluation of the Estrogen Receptor and the Dopamine Signaling Pathway as a Possible Target of Bifenthrin Toxicity in Zebrafish Embryos
Luisa Bertotto,* S. Dudley, J. Gan, Jay; D. Volz, and D. Schlenk, University of California, Riverside
Exploring Mechanisms of Cardiotoxicity in Crude Oil Exposed Fish
 Victoria McGruer*, D. Schlenk, University of California, Riverside
Comparative Life Cycle Assessment of Seven Coffee Brewing Machines
Justin Kurihara*, Mara Ley*, and T. Zink, Loyola Marymount University





Assessment of Fecal Indicator Bacteria Diversity and Density During Tidal Exchanges in an Urbanized Saltwater Marsh System (Ballona Wetlands) Samantha Geier* and J. Dorsey, Loyola Marymount University
Defining Freshwater Invertebrate and Vertebrate Species Sensitivity to the Pesticides Imidacloprid and Chlorantraniliprole Using Ligand Binding Assays
Jordan Alejo* and E. Holland. California State University Long Beach
Analysis of PAHs and VOCs Present on LMU's Artificial Turf Fields
Erica Choe,* O. Strieleman, N. Bouvier-Brown. Loyola Marymount University
Pilot Study for the Analysis of Microplastics Found on Santa Monica Beaches
H. Campo,* R. Manning,* <b>Emily Vees</b> ,* H. Weyland,* M. Dea, J. Landry, V. Onyike, Coastal Research Institute, Loyola Marymount University
Effects of Polycyclic Aromatic Hydrocarbons on Diatom Species Composition and Morphologies from a Southern California Creek
Eilleen Salas* and D. Underwood, California State University Long Beach, Long Beach, CA
Los Angeles River Storm Drain Filtration Mechanism Efficiency Study Part I: Water Quality in Reach 3 of the Los Angeles River
Marian de Orla-Barile,* S. Appleton, V. Lorenzi, E. Holland, California State University Long Beach
Evaluating the Effectiveness of Advanced Oxidation Processes at Reducing AhR, ER, and p53 activity via <i>In vitro</i> Cell Bioassays
Gary Harraka,* S. Coffin, E. Xu, K. Cochran, S. Richardson, and D. Schlenk, University of California, Riverside
Level and Occurrence of the Neonicotinoid Pesticide, Imidacloprid, in Forester Creek, Santee, CA
<b>Christine Batikian</b> ,* A. Lu,* K. Watanabe, and R. Gersberg, San Diego State University
The Sediment Record in the Tibetan Plateau: Evidence of the Significant Contribution of Organochlorine Pesticides from Lateral Remobilization
<b>Jun Li,</b> * G. L. Yuan, China University of Geosciences, Jay Gan, University of California, Riverside
Environmental Relevance in a Sea of Plastic
Win Cowger,* and A. Gray, University of California, Riverside
Movement Patterns and Habitat Association of Five Demersal Fish Species Along the Orange County Sanitation District Outfall
<b>Echelle Burns</b> ,* C. Lowe, California State University, Long Beach; J. Armstrong, K. Sakamoto, D. Tang, Orange County Sanitation District
Short-, Medium- and Long-chain Chlorinated Paraffins in Wildlife from Paddy Fields in the Yangtze River Delta
Xinyu Du,* Y. Zhou, Y. Qiu, J. Zhao, Tongji University ; B. Yuan, J. Benskin, G. Yin, Stockholm University
<b>Anyu Du</b> , T. Zhou, T. Qiu, J. Zhao, Tongji Oniversity, B. Tuan, J. Denskin, G. Hit, Stockholm Oniversity
Novel Electrosorption-Enhanced Solid-Phase Microextraction Device for Ultrafast In Vivo Sampling of Ionized Pharmaceuticals in Fish
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Southern California



## 2018 SoCal SETAC Annual Meeting Agenda

Friday, April 13		
7:45 A.M.	Registration and Continental Breakfast	
	Misty Mercier, SoCal SETAC Secretary; Joe Freas, SoCal SETAC Treasurer	
	assortment of breakfast items, coffee, tea, and juice served	
8:15 A.M.	Welcome and Announcements	
	Rachel Adams, SoCal SETAC Past President	
	Microplastics & Marine Debris	
	Facilitated by Keith Maruya, SoCal SETAC President	
8:30 A.M.	Plastic Particle Pollution Impacts on the Environment and the Food Web	
	Anna-Marie Cook, H. Allen, US Environmental Protection Agency	
9:00 A.M.	Analysis of Microplastics Found on Santa Monica Bay Beaches: Status of Method Development	
	James Landry, Loyola Marymount University	
9:30 A.M.	Characterization of Estrogenic Compounds from Simulated Digests of Plastic Items	
	Scott Coffin,* D. Schlenk, University of California, Riverside; G. Huang, , Guangzhou Institute of Geochemistry	
10:00 A.M.	Break	
	assortment of snack items, coffee, and tea served	
10:30 A.M.	Identification of Microplastic Pollution Below 500µm in the Highly Urbanized Aquatic Environments Surrounding Long Beach, CA	
	Kara Wiggin,* E. Holland, California State University Long Beach	
11:00 A.M.	Trends in the Quantity of North Pacific Gyre Debris: Two ApproachesTwo Answers	
	<b>Charles Moore</b> , G.L. Lattin, Algalita Marine Research and Education; S.L. Moore, S.B. Weisberg, Southern California Coastal Water Research Project; N. Maximenko, J. Hafner, University of Hawai'i, Honolulu, Hawai'i	
11:30 A.M.	An Estimation of Plastic Debris and Persistent and Bioaccumulating Toxic Contaminants in the Tijuana River Estuary: a Case Study in Estuarine Contaminated Sediment Management	
	Harry Allen, M. Rogow, A. Cook, U.S. Environmental Protection Agency; R. Kelly, K. Villars, Formerly Ecology & Environment, Inc., C. Peregrin, Tijuana River National Estuarine Research Reserve, C. Rochman, University of Toronto	
12:00 P.M.	Lunch	
	"Backyard Cook Out" 3-course buffet including hamburgers, veggie burgers, hot dogs, dessert, and non-alcoholic beverages served	





1:00 P.M.	Advantages of Large-Volume-Sampling in the Study of Microplastics in Effluents Discharged from Wastewater Treatment Plants.
	Jin Liu, S. Carr, Sanitation Districts of Los Angeles County
1:30 P.M.	Talking Trash: Management Strategies for Preventing and Removing Trash from Receiving Waters
	Paul Maechler, Kelly Tait, K. Holman, Port of San Diego
	Unrestricted Topics
	Facilitated by Scott Coffin, SoCal SETAC Board, Student Sector
2:00 P.M.	The Effects of Temperature and Bifenthrin on the Neuroendocrinology of Chinook Salmon Parr
	Marissa Giroux*, S. Vliet, D. Volz, D. Schlenk, University of California Riverside
2:30 P.M.	Break
	assortment of snack items, coffee, and tea served
2:45 P.M.	Remedy and Recontamination Assessment Array: An Initial Proof of Concept
	B. Chadwick, <b>Molly Colvin</b> , G. Rosen, B. Davidson, SPAWAR Systems Center Pacific; D. Moore, US Army Corps of Engineers; A. Burton, University of Michigan
3:15 P.M.	Water Infiltration and Pollutant Retention in the Ballona Creek Rain Garden
	<b>Jamie Burkhard</b> *, J. Dorsey, S. Kawecki, J. Saez, YJ. Li, V. Kuehn, T. Boughey, Loyola Marymount University
3:45 P.M.	The Growth of a Kelp Restoration Project: Informing the Physical, Chemical and Biological Characteristics of Coastal Management in Southern California
	Tom Ford, J. Landry, Coastal Research Institute, Loyola Marymount University; K. Elsmore, Bodega Marine Laboratory
4:15-4:45 P.M.	Awards, Raffle, Closing Remarks

Bold text indicates presenting author(s); \* indicates a student presentation



