

PLATFORM PRESENTATIONS

Session 1:

1. Evaluating the relative amount of pesticides entering the environment from biosolids applied to land as beneficial soil amendment and from direct agricultural application. **John Wheeler**, G.P. Black, M.L. Hladik, C.J. Sanders, J. Teerlink, L. Wong, X. Zhang, R. Budd, T.M. Young
2. The effect of pesticide mixtures on soil invertebrates and honey bees in different European cropping systems. **Kayode Jegede**, P. Tourinho, E. Henry, J. Hofman, V. Geissen

Session 2:

1. Challenges and advantages of using amateur naturalist sites to infer pollinator behavior and distribution. **Dean Kelch**
2. Maternal foraging location and diving behavior affect transfer of mercury to northern elephant seal pups. **Sarah Peterson**, M.G. Peterson, J.T. Ackerman, C. Debier, C. Goetsch, R.R. Holser, L.A. Huckstadt, J.C. Johnson, T.R. Keates, B.I. McDonald, E.A. McHuron, D.P. Costa
3. Automated and Fast Identification of Micro- and Nano-plastics using Optical Photothermal Infrared (O-PTIR). **Ting Yan**, J. Anderson, M. Kansiz, E. Dillon

Session 3:

1. Expanding the Applications of Postmortem Vitreous Humor Testing. **Tiffany Hangse***, J. Vosters, N. Fukuda, J. Adamczyk, P. Hansma, P. Jones
2. An Untargeted Metabolomic Profiling and Comparative Analysis of Aquilegia Floral Nectar Using High Performance Liquid Chromatography High Resolution Mass Spectrometry. **Sydney Grinstead***, J. Miller-Schulze, E. Ballerini
3. Nontarget Prioritization using Standard Toxicity Assays: A Spatial and Temporal Study of Stream Sediments across California. **Anna Feerick***, B. Kahn, B. Phillips, T.M. Young

Session 4:

1. Fire Retardant Effects in Seasonal Wetland Communities. **M.E. Rennert**, **Jamie Kneitel**
2. Shoreline wetland growth at the Salton Sea, California. **Krishangi Groover***, A. Lutz

SCHEDULE

8:30 - Registration Opens
Coffee & Donuts

9:00 - Presidents Opening Remarks

9:05 - Plenary: Dr. Michelle Hladik
Pollinators and pesticides: evaluating multiple matrices to better understand exposure and accumulation"

9:45 - Platform Session 1

10:25 - Coffee & Poster Break

10:45 - Platform Session 2

11:45 - Lunch
Chipotle Burrito Bar

1:15 - Platform Session 3

2:15 - Coffee & Poster Break

2:35 - Platform Session 4

3:15 - Plenary: Dr. Jennifer Teerlink
"From Research to IRL"

3:55 - Presentation of Scholarships and Awards

4:10 - Business Meeting & Raffle Drawing #1

4:15 - Poster Social & Raffle Drawing #2
Refreshments & Dumplings

POSTERS

Pesticide residues in monarch butterflies collected from Pacific Grove, California, 2024. **Daryna Sushch**, M.L. Hladik, M.D. De Parsia, E.M. LaBarbera, C.J. Sanders, M. Uychutin

Enhancing knowledge of chemical exposures and fate in honey bee hives: Insights from colony structure and interactions. **Angela Encerrado-Manriquez***, A.K. Pouv, J.D. Fine, C.T. Nicklisch

Quantification of Amino Acids in Aquilegia Nectar by High Performance Liquid Chromatography - Tandem Mass Spectrometry. **Griselda Camacho***, J. Miller-Schulze, E. Ballerini

Effects of Body Size and Season on Total and Methyl Mercury Concentrations in Orb-weaving spiders. **M.M. Chumchal**, R.W. Drenner, O. Eberwein, **Madeline Hannappel**, G. Helburn, C.R. Perry

Mercury exposure risk in migrating Golden Eagles as it relates to foraging ecology. **Ezra Doblar***, M.F. Finkelstein, B. Bedrosian

Using lead isotopes to understand persistent lead exposure in California Condors. **Mika Lacabe***, M. Finkelstein

Correlations Between Pesticide Presence, Land Use, and Streamflow in the Yolo By-Pass, California. **Matthew Uychutin**, J. Orlando, M.L. Hladik, C.J. Sanders, E. LaBarbera, L. Twardochleb, M. Miner, E. Holmes, B. Davis

6PPD-quinone in Water Samples from the Sacramento-San Joaquin Delta, California, 2018–2024. **Elisabeth LaBarbera**, G.P. Black, M.D. De Parsia, J. Orlando, C.J. Sanders, M. Uychutin, M.L. Hladik

Assessing the ability and adaptability of freshwater microbes to degrade aromatic lignin molecules in different nutrient conditions. **Sasha A'Hearn***, A.J. Burns, P.J. Hernes

Preparation and catalytic activity of a titanium-zeolite Y for photocatalytic decomposition of organic water contaminants. **Jade Lockwood***, S.M. Crawford

*student presenter