

55th
CTOW
CANADIAN TRACE ORGANIC WORKSHOP



MAY 7 - 9, 2023
SASKATOON, SK

Sunday May 7th		
7:00 – 7:30 pm	Corporate booth and scientific poster set up	
7:30 – 8 pm	Registration	
7:30 – 10 pm	Welcome Reception	Sponsored by Perkin Elmer

Monday May 8th		
8 am	breakfast	Sponsored by Canadian Life Sciences/Calibre and K'Prime
	Registration	
8:55 am	Welcome and introduction	
9 am	Session 1	Chair: Anas El-Aneed
9:00 – 9:30	Condensed phase membrane introduction mass spectrometry: A convenient 'fit for purpose' analytical platform to probe the fate & distribution of classical naphthenic acids in real-world systems	Dr. Erik T. Krogh Vancouver Island University
9:30 – 9:50	Sorption of Aqueous Naphthenic Acids to Soil at Environmentally Relevant Concentrations	Ian Vander Meulen Environment and Climate Change Canada
9:50 – 10:10	Investigation of Methylene Blue Adsorption Kinetics with Flax-Based Bio-Composites	Mariam Mir University of Saskatchewan
10:10 – 10:45	Coffee break	Sponsored by Leco
10: 45	Session 2	Chair: John Headley
10:45 – 11:05	Complimentary Evaluations of polar and non-polar petroleomics weathering in simulated freshwater spill by Orbitrap and FTICR mass spectrometry	Chukwememka Ajaero Environment and Climate Change Canada
11:05 – 11:25	ultra-trace analysis of pesticides in complex samples made easy by laminar flow tandem mass spectrometry with a dual ionization source	Erasmus Cudjoe Perkin Elmer
11:25 – 11:45	Quantifying Neonicotinoid insecticides in Barn Swallow plasma in Saskatchewan agroecosystems using HPLC-MS/MS	Sonia Cabezas Environment and Climate Change Canada
12:00 – 1:00	Lunch	Sponsored by Waters
1:00	Session 3	Chair: Pat Moser
1:00 – 1:20	Setting yourself Free from Solid and Semi-solid Sample Preparation with Extrema ASE	Kjell Hope and Matthew MacLennan Pacific Rim Laboratories

1:20 – 1:40	Utilization of Biofoculants from Flaxseed Gum and Fenugreek Gum for the removal of Arsenicals from Water	Deysi Juliete Venegas Garcia University of Saskatchewan
1:40 – 2:00	Spectroscopic characterization of surface modified Poly(vinyl chloride)	Nathalia Paredes Camacho University of Saskatchewan
2:00 – 2:20	High-throughput analysis of the tire-derived aquatic toxins p-phenylene diamine quinones (PPDQs) by online membrane sampling coupled to ESI-MS	Joseph Monaghan Vancouver Island University
2:20– 2:45	Coffee break	Sponsored by Bruker
2:45	Session 4	Chair: Jessica Fehr
2:45 – 3:05	PFAS: what foods are a concern and how low can we go in drinking water?	Matthew Noesthenden Sciex
3:05 – 3:25	PFAS analysis of water and snow using EPA Method 1633 - and beyond	Kathy Hunt Vogon Labs
3:25 – 3:45	Functionalized nanodiamonds as gene delivery agents: Biocompatibility and biodistribution	Spataru Iuliana-Andreea University of Saskatchewan
3:45	Presentation of Caledon award	Don Noot, Kerry Peru and Brian Finnis
5:30	Buses depart for Lucky Bastard	
6:00 - 9:00	Dinner and tours/tasting at Lucky Bastard Distillery	Sponsored by Agilent
Tuesday May 9th		
8:00	breakfast	Sponsored by Sciex
9:00	Session 5	Chair: Paul Jones
9:00 – 9:30	Development of simplified LC-MS methods for gestagen analysis in animal fat and liver	Randy Purves Canadian Food inspection Agency
9:30 – 9:50	Identification of veterinary drug biomarkers	Sedigheh Barzegar University of Saskatchewan
9:50 – 10:10	Quantitative analysis without chromatography, promises and limitations	Anas El-Aneed University of Saskatchewan

10:10 – 10:45	Coffee break	Sponsored by Isomass
10: 45	Session 6	Chair: Christine Akre
10:45 – 11:05	Offering from LCTech for the Complete PFAS Sample preparation workflow	Valerie Blais Chromatographic Specialties Inc.
11:05 – 11:25	Analytical Tools for PFAS Analysis in an Evolving Landscape	Phillippe Lebel Agilent Technologies
11:25 – 11:45	Development of Novel Analytical Strategies for the Detection and Quantification of Cannabinoids in Plasma and commercial products using Ion Mobility and Mass Spectrometry	Radwa Mahmoud University of Saskatchewan
12:00 – 1:00	Lunch	Sponsored by ThermoFisher
1:00	Session 7	Chair: Ralph Hindle
1:00 – 1:20	Comprehensive Isotope Ratio MS of oxyanions with an Electrospray-Orbitrap	Peter Stow Isomass
1:20 – 1:40	Aconitine: a modern scientific analysis for an ancient poison	Jana Kinar Canadian Food Inspection Agency
1:40 – 2:00	Evaluation of different High-performance liquid chromatography (HPLC) column chemistries for the analysis of psilocin in mouse plasma	Amir Khajavinia University of Saskatchewan
2:00 – 2:20	Evaluation of oxyanions in complex matrices using solid-phase extraction materials	Lee Wilson University of Saskatchewan
2:20 – 2:30	Farewell, handover to Guelph and thanks for attending and presenting	
Have a safe trip home and see you next year in Guelph		