

EIT Food Additional activity:

Training on analytical approaches for food safety, authenticity and quality assessment

Váňův statek, Czech Republic

Date: 11 – 13 September 2019

Wednesday, 11 September 2019	
9:00 – 11:30	Transport to the place of training
11:30 – 12:30	Registration & Lunch
12:30 – 13:00	Introduction to EIT Food and instruments offered by EIT Food and EIT Food Regional Innovation Scheme (RIS) dedicated to students, researchers and entrepreneurs in agri-food sector Monika Tomaniová, VŠCHT Praha
13:00 – 15:00	PART 1 (Moderator: Dr. Lucie Drábová) František KRÁTKÝ: Assessment of a potential of selected microbial cultures to degrade residues of 'modern' pesticides Petr MRÁZ: Presentation of validation results of multiresidual methods for determination of pesticide residues Petra VACKOVÁ: Pesticide residues in apples at Czech market Aris TSAGKARIS: Smartphone-based colorimetric detection of carbofuran with a hybrid paper-3D printed lab-on-a-chip injector
15:00 – 15:30	Coffee break
15:30 – 18:00	PART 2A (Moderator: Dr. Darina Lanková) Martina BUREŠOVÁ: Analysis of PFASs in drinking water– troubleshooting (method optimization, SPE column contamination....) Tomáš GRAMBLIČKA: OPFR metabolites: levels in urine of Czech population, pilot study Veronika VONDRÁŠKOVÁ: Analysis of OH-PAHs in urine of children + optimisation of the method on the new LC-MS QTrap 6500+
	PART 2B (Moderator: Dr. Michal Stupák) Ondřej PAŘÍZEK: Assessment of PAHs inhalation exposure to the Czech policemen Jakub TOMÁŠKO: Strategies for analysis of mineral oil hydrocarbons in food
18:30	Dinner
Thursday, 12 September 2019	
7:30 – 8:30	Breakfast
8:30 – 10:00	PART 3 (Moderator: Dr. Zbyněk Džuman) Monika JÍRŮ: Authenticity of poppy seeds: How to quickly reveal undeclared hydrothermal treatment? Petra JONÁTOVÁ: Plant alkaloids - challenges in a new multi-analyte LC-MS method development Nela PRŮŠOVÁ: Fate of free and modified mycotoxins during malting Lucie CHYTILOVÁ: Determination of estragol in fennel based teas

10:00 – 10:30	Coffee break
10:30 – 12:30	PART 4 (Moderator: Dr. Vojtěch Hrbek) Kamila HŮRKOVÁ: Analytical challenges solved within nontarget analysis Klára NAVRÁTILOVÁ: Determination of polymerized triacylglycerols by HPSEC-ELSD Leoš UTTL: The relationship between endophytic microflora and Vitis vinifera L. metabolome Aleš KRMELA: Food additives determination – last year progress
12:30 – 13:30	Lunch
13:30 – 15:00	Discussion on issues related to presented topics Training in development of analytical strategies for food safety and authenticity assessment Moderators and lecturers: Prof. Jana Hajšlová, Prof. Vladimír Kocourek, Assoc. Prof. Jana Pulkrabová
15:00 – 15:30	Coffee break
15:30 – 18:00	Discussion on issues related to presented topics Training in development of analytical strategies for food safety and authenticity assessment Moderators and lecturers: Prof. Jana Hajšlová, Prof. Vladimír Kocourek, Assoc. Prof. Jana Pulkrabová
18:30	Dinner
Friday, 13 September 2019	
7:30 – 8:30	Breakfast
8:30 – 10:00	PART 5 (Moderator: Ing. Marie Fenclová) František BENEŠ: Troubleshooting in phytocannabinoids analysis Vít KOSEK: Lipidome reflects injury related to parenteral nutrition in both humans and rat model Ewa WIELOGORSKA: Overall bias assessment during biomarker selection workflows Marie FENCLOVÁ: Building of online platform for Cannabis metabolom database
10:00 – 10:30	Coffee break
10:30 – 12:30	PART 6 (Moderator: Prof. Vladimír Kocourek) Validation and implementation of analytical methods and detection techniques in food analysis Accreditation according to ISO 17025
12:30 – 13:30	Lunch
13:30 – 15:00	PART 7 (Moderator: Prof. Jana Hajšlová) Final discussion
15:30	Transport to Prague

Aim of the event is to provide an opportunity to PhD students of the University of Chemistry and Technology, Prague to be trained in advanced analytical strategies applied for food safety, authenticity and quality assessment. Various case studies will be presented, including analytical methods development, data evaluation, QA/QC, ... Participants will have an opportunity to meet up with the experts and learn more from other young colleagues in order to network and discuss on their current and future research activities.