

ASSET 2018 POSTER SESSIONS

| Poster Number: | First Name: | Last Name: | Abstract book ref. number: | Paper Title: | Poster Session: |
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| Theme 1: Deliberate contamination of food | | | | | |
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| 2 | Marco | Alorio | 133 | NMR and MIR-ATR approaches to assess the integrity of saffron: a FI WP18's case study | Tuesday 29th May |
| 3 | Frantisek | Benes | 54 | Authentication of CBD oil by using convergence chromatography coupled with high resolution mass spectrometry (SFC-HRMS) | Tuesday 29th May |
| 4 | Nicholas | Birse | 66 | The application of ambient mass spectrometry to rapidly determine production systems used in poultry production | Tuesday 29th May |
| 5 | Connor | Black | 29 | Real time identification of the adulteration of processed meat using rapid evaporative ionisation mass spectrometry | Tuesday 29th May |
| 6 | Connor | Black | 127 | Tackling fraud in fish global supply chains using rapid evaporative ionisation mass spectrometry (REIMS) | Tuesday 29th May |
| 7 | Stephanie | Brooks | 115 | The Use of Blockchain Technology and DNA to Assure Origin in the UK Pig Sector | Tuesday 29th May |
| 8 | Francis | Butler | 135 | A decision framework for using analytical testing for food fraud reduction | Tuesday 29th May |
| 9 | Andrew | Cannavan | 179 | Rapid isotope analysis of non-exchangeable hydrogen in sugar molecules derivatised with MBTFA, using GC-chromium/high-temperature-conversion-IRMS | Tuesday 29th May |
| 10 | Andrew | Cannavan | 131 | Rapid screening techniques for extra virgin olive oil authentication | Tuesday 29th May |
| 11 | Daniele | Cavanna | 3 | New chemical markers for the assessment of egg products freshness | Tuesday 29th May |
| 12 | Olivier | Chevallier | 28 | Tackling shrimp fraud with Mass Spectrometry | Tuesday 29th May |
| 13 | Emiliano | De Dominicis | 146 | If you can't measure it, you can't manage it. | Tuesday 29th May |
| 14 | Susanne | Esslinger | 71 | Authentication of edible oils using non-targeted spectroscopic fingerprinting techniques – Comparison of measuring instruments | Tuesday 29th May |
| 15 | Derek | Findleton | 149 | Rapid on-site real-time PCR based test systems for fish species identification. | Tuesday 29th May |
| 16 | Terry | Fodey | 263 | THE REQUIREMENT FOR HYDROLYSIS IN THE ANALYSIS OF FLORFENICOL RESIDUES IN MILK: DETERMINATION OF TOTAL FLORFENICOL RESIDUE CONTENT IN MILK USING AN MRM3 UPLC-MS/MS METHOD | Tuesday 29th May |
| 17 | Michaela | Fox | 23 | Fraud Vulnerability Assessment of the UK Seafood Supply Chain | Tuesday 29th May |
| 18 | Keith | Harrison | 256 | European programme for the establishment of validated procedures to detect and identify biological toxins (EuroBioTox) | Tuesday 29th May |
| 19 | Simon | Haughey | 10 | Rapid Detection of Herb and Spice Adulteration | Tuesday 29th May |
| 20 | Anna | Holderbaum | 177 | Metabolite Profiles of Emerging Anabolic Agents in Sport and Food Producing Animals | Tuesday 29th May |
| 21 | Jiri | Hricko | 55 | UHPLC-HRMS/MS metabolomics approach to differentiate Cannabis sativa varieties | Tuesday 29th May |
| 22 | Ningjing | Liu | 80 | A direct link between organic milk and feed - from grass to glass | Tuesday 29th May |
| 23 | Matthew | McGoldrick | 62 | Development of Immunosensor Technology for Nut Allergen Detection as a Food Surveillance Tool | Tuesday 29th May |
| 24 | Terry | McGrath | 67 | Leaving the laboratory behind: Rapid in-field food authenticity screening using handheld spectroscopy | Tuesday 29th May |
| 25 | Linda | Monaci | 168 | UNTARGETED LC-HR-MS APPROACH: A KEY STUDY OF WP18 APPLIED TO DISCRIMINATE SALMON SALAR GEOGRAPHIC ORIGIN | Tuesday 29th May |
| 26 | Michela | Montorsi | 100 | Food authentication by DNA based methods: a document classifier of the literature database | Tuesday 29th May |

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| 28 | Amanda | Naaum | 257 | DNA authentication of shrimp products | Tuesday 29th May |
| 29 | Jordi | Nelis | 65 | Biosensors into the limelight: Towards a user-friendly interface with The Bio End user Sensor Tree | Tuesday 29th May |
| 30 | Philana | Nolan | 37 | Multiplex analysis of mycotoxins using Mass Sensitive Micro-Array Technology | Tuesday 29th May |
| 31 | Marzia | Pezzolato | 156 | High pressure vs low pressure MSM: a standardized microscopical approach to prevent food fraud | Tuesday 29th May |
| 32 | John | Points | 125 | Food Fraud: Risk-Ranking of Raw Materials using Data Mining | Tuesday 29th May |
| 33 | John | Points | 126 | The Epidemiology of a Food Scare: Lessons from Fipronil | Tuesday 29th May |
| 34 | Kelsey | Robson | 145 | Identified food integrity fraud in the beef industry (1997-2017) | Tuesday 29th May |
| 35 | Ashley | Sage | 245 | Sensitive and Specific Allergen Screening Analysis Using LC-MS/MS | Tuesday 29th May |
| 36 | Ashley | Sage | 244 | A Selective LC-MS/MS Method for Multiple Meat Speciation and Authenticity Detection in One Injection | Tuesday 29th May |
| 37 | Michelle | Spence | 151 | Factors influencing consumer intentions to purchase traceable minced beef and beef steak | Tuesday 29th May |
| 38 | Michelle | Spence | 208 | Exploring Chinese consumers' perceptions of food fraud and traceability within the EU FOODINTEGRITY PROJECT | Tuesday 29th May |
| 39 | John | Spink | 45 | Food Fraud Prevention: Harmonized Terminology and Public-Policy Development Research | Tuesday 29th May |
| 40 | Lidija | Strojničnik | 242 | Authentication of apple and strawberry aroma compounds using stable isotope approach | Tuesday 29th May |
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| 42 | Catherine Komugisha | Tindiwensi | 214 | Drivers of (Un)ethical Behaviour in Agricultural Value Chains: Evidence from Uganda | Tuesday 29th May |
| 43 | Mario | Tuthorn | 78 | Isotope Fingerprints: Origin of Tequila with GC Coupled with Isotope Ratio MS | Tuesday 29th May |
| 44 | Mario | Tuthorn | 77 | Isotope Fingerprints: Authentication of Honey by LC Coupled with Isotope Ratio MS | Tuesday 29th May |
| 45 | Leos | Uttl | 52 | Can metabolomics enable wine authentication according to the grape varieties used for production? | Tuesday 29th May |
| 46 | Philippe | Vermeulen | 21 | The Food Authenticity Research Network (FARNHub) for sharing and accessing information on food authenticity activities | Tuesday 29th May |
| 47 | Zhanhui | Wang | 106 | Hapten synthesis and production of a monoclonal antibody for ribavirin | Tuesday 29th May |
| 48 | Mark | Whatton | 102 | Innovative multiplex organic photonic sensor for plasmonic-based detection of contaminants in milk: the MOLOKO project | Tuesday 29th May |
| 49 | Ryszard | Wierzchnicki | 255 | STUDY OF STABLE ISOTOPES AND TRACE ELEMENTS COMPOSITION OF POLISH DAIRY PRODUCTS | Tuesday 29th May |
| 50 | Amelie | Wilde | 238 | Facing ongoing challenges in the vanilla flavor authentication by improved isotopic ratio analysis | Tuesday 29th May |
| 51 | Yuzheng | Yang | 79 | Fraud vulnerability assessment in the Dutch milk supply chain | Tuesday 29th May |
| 52 | Dong | Yinping | 153 | Laboratory-based characterization and traceability of an outbreak of necrotising enterocolitis in China | Tuesday 29th May |
| 53 | Kamila | Zdenkova | 20 | Verification of presence of inhibitory effect in qPCR in DNA analysis | Tuesday 29th May |
| 54 | Kamila | Zdenkova | 19 | Use of DNA analysis for the study of meat food fraud in the Czech Republic | Tuesday 29th May |
| 55 | Qiding | Zhong | 152 | Targeted and Nontargeted Chinese Baijiu Analysis by ¹ H NMR Spectroscopy Combined with Multivariate Statistical Analysis. | Tuesday 29th May |
| 56 | Qiding | Zhong | 150 | Application of stable carbon isotope ratio analysis to detect edible alcohol in Chinese Baijiu | Tuesday 29th May |

Theme 2: The threat from pathogens to the food system

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| 58 | Paula | Bourke | 252 | Atmospheric Cold Plasma for degradation of antibiotic contaminants: Transformation products and their residual antibacterial effects | Tuesday 29th May |
| 59 | Ciaran | Carlin | 48 | Early detection of plant diseases using Remote Sensing | Tuesday 29th May |
| 60 | Kennedy | Chah | 216 | Antimicrobial resistance among bacterial agents from food animals in a developing country: the Nigerian experience | Tuesday 29th May |
| 61 | Seong Ying | Choi | 59 | Isothermal amplification of nucleic acids for rapid and multiplexed detection of antibiotic-resistance in <i>Campylobacter jejuni</i> | Tuesday 29th May |
| 62 | Katerina | Demnerová | 14 | Limits of enumeration using EMA/PMA-qPCR | Tuesday 29th May |
| 63 | Katerina | Demnerová | 15 | Multi-species biofilms of significant bacterial pathogens | Tuesday 29th May |
| 64 | Amanda | Eakin | 243 | Review of rapid diagnostics for antibiotic residue analysis | Tuesday 29th May |
| 65 | Sonigitu Asibong | Ekpe | 240 | Meat Handling in Abattoirs in Cross River: A Major Health Risk. What Data Exit ? | Tuesday 29th May |
| 66 | Doan Duy | Le Nguyen | 119 | Proteolytic and Lipolytic Activities of <i>Pseudomonas</i> spp. Isolated From Raw Milk in Mekong Delta, Vietnam | Tuesday 29th May |
| 67 | Simona | Lencová | 11 | DNA analysis of micromycetes producing patulin and ochratoxin A in food | Tuesday 29th May |
| 68 | Nicholas | Nduti | 205 | <i>Weissella Cibaria</i> NN20 Isolates Sequesters Afb1 In vitro, Ferment Milk with Good Viscosity as yogurt | Tuesday 29th May |
| 69 | Elizabeth | Redmond | 259 | Consumer attitudes towards food-safety in the home 1997-2017: a comparative analysis | Tuesday 29th May |
| 70 | Fiona | Roberts | 235 | Implementing an antibiotic reduction policy across the global broiler supply chain of a UK retailer | Tuesday 29th May |
| 71 | Edel | Stone | 247 | Nanodiagnosics for Detection of Foodborne Pathogens using Phage-Derived Proteins | Tuesday 29th May |
| 72 | Hamdi | Taha Mossadak | 165 | Study of the evolution of the superficial contamination of broiler carcasses in refrigerated state | Tuesday 29th May |
| 73 | Katerina | Theodoridou | 42 | Antibacterial and anti-virulence efficiency of a commercial antimicrobial against <i>Escherichia coli</i> O157:H7 | Tuesday 29th May |
| 74 | Wilfred | Abia | 224 | Correlating urinary mycotoxin concentrations with dietary intake | Tuesday 29th May |

Theme 3: Human exposure to chemical cocktails present in foods

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| 76 | Abdullah | Binsalom | 60 | Detection of organophosphate pesticides using a Planar Waveguide immunosensor | Wednesday 30th May |
| 77 | Elisabetta | Caprai | 138 | PRESENCE OF PYRROLIZIDINE ALKALOIDS IN TEAS AND HERBAL INFUSIONS: PRELIMINARY MONITORING AND RISK CHARACTERIZATION | Wednesday 30th May |
| 78 | Manus | Carey | 40 | Variation in elemental nutrient composition of grains, cereals and food plants using rapid X-ray fluorescence. | Wednesday 30th May |
| 79 | Jane | Chah | 209 | Production of chemical-free crops: Organic Fertilizer Use among Garden Egg Farmers in Enugu State, Nigeria | Wednesday 30th May |
| 80 | Martin | Danaher | 261 | Development and validation of an LC-MS/MS method for the determination of six nitrofurans as their tissue bound metabolites in animal tissue | Wednesday 30th May |
| 81 | Muhammad | Daud | 134 | Effects of endocrine disruptors on estrogen signaling in zebrafish larvae. | Wednesday 30th May |

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| 82 | Lorenzo | De Colli | 154 | Simultaneous determination of 42 mycotoxins in oats: a high-throughput UHPLC-MS/MS analytical method | Wednesday 30th May |
| 83 | Lorenzo | De Colli | 155 | Mycotoxins in Irish oat - a three year national survey | Wednesday 30th May |
| 84 | Ellen | De Paepe | 114 | Analysis of the Chemical Safety of Insect Consumption as Alternative for the Increasing Food Requirements | Wednesday 30th May |
| 85 | Zbynek | Dzuman | 51 | Occurrence of multiple contaminants in large sets of tea and coffee samples | Wednesday 30th May |
| 86 | Lynsey | Finlay | 236 | Designing a roadmap for mycotoxin prevention in food and feed. | Wednesday 30th May |
| 87 | Terry | Fodey | 159 | The role of environmental contamination in the production of veterinary drug residue non-compliant animals | Wednesday 30th May |
| 88 | Terry | Fodey | 160 | The potential of an untreated cow presenting non-compliant florfenicol residues in milk | Wednesday 30th May |
| 89 | Brett | Greer | 50 | Human exposure to cyanotoxins: Exploring their in vitro detoxification using atmospheric cold plasma treatment | Wednesday 30th May |
| 90 | Emma | Harper | 239 | The endocrine disrupting potential of Bisphenol-A and its structural analogues using glucocorticoid and progesterone receptors. | Wednesday 30th May |
| 91 | Simon | Haughey | 64 | Food Fortress: The Development and Implementation of a Globally Recognised Sampling/Testing Scheme in Northern Ireland. | Wednesday 30th May |
| 92 | Steve | Huysman | 93 | Divinylbenzene samplers as surrogate tool for biological monitoring of (micro)pollutants in the marine environment | Wednesday 30th May |
| 93 | Yemisi | Jeff-Agboola | 234 | A novel approach to reduction of toxigenic <i>Aspergillus flavus</i> level in maize | Wednesday 30th May |
| 94 | Oluwatobi | Kolawole | 73 | Co-occurrence of mycotoxins in animal feeds and effects on growth performance of broiler chickens | Wednesday 30th May |
| 95 | Rebecca | Kyle | 251 | Review of methods of analysis for Marine Biotoxins | Wednesday 30th May |
| 96 | Jonathan | McComb | 232 | Effects of Defined Human-Exposure-based Mixtures of Persistent Organic Pollutants on Androgen Receptor Translocation and Transactivation. | Wednesday 30th May |
| 97 | Julie | Meneely | 57 | Measuring the combined exposure to aflatoxin B1 and microcystin-LR using High Content Analysis | Wednesday 30th May |
| 98 | Jose Manuel | Moreno-Rojas | 248 | Rapid discrimination of Bitter Almonds based on their amygdalyn content by using Near Infrared Spectroscopy | Wednesday 30th May |
| 99 | Flora | Oluwafemi | 184 | Assessment of Microbiological and Residual Antibiotics Status in Milk Sold in Abeokuta, Ogun State | Wednesday 30th May |
| 100 | Giovanna | Ponti | 143 | Neonatal exposure to soy phytoestrogens decreases fertility in mice. | Wednesday 30th May |
| 101 | Alexis | Ripoche | 130 | Biofluid and tissue metabolic profiling by 1D-1H-NMR spectroscopy highlighting exposure to emerging drugs of abuse. | Wednesday 30th May |
| 102 | Maeve | Shannon | 103 | The potential of Persistent Organic Pollutants (POPs) mixtures induce cytotoxicity in enteroendocrine pGIP/neo: STC-1 cells | Wednesday 30th May |
| 103 | Miroslav | Subrt | 39 | Rapid Detection of Tetrodotoxin in shellfish using an immunosensor | Wednesday 30th May |
| 104 | Andrew | Sweet | 264 | Miniaturising and multiplexing diagnostic tests is clue to decrease production costs | Wednesday 30th May |
| 105 | Emiliano | Ventura | 181 | A SEMI-QUANTITATIVE UHPLC-MS/MS ASSAY TO DETECT SARMS IN URINE SAMPLES | Wednesday 30th May |
| 106 | Hui-Li | Wang | 95 | Regulatory Roles of Histone Deacetylases 1 and 2 in Pb-induced Neurotoxicity | Wednesday 30th May |
| 107 | Richard | Welten | 83 | A systems biology approach to elucidate the effect of chronic microcystin-LR exposure | Wednesday 30th May |
| 108 | Ewa | Wielogorska | 26 | Detoxification of mycotoxins in maize using cold atmospheric plasma technology | Wednesday 30th May |
| 109 | Ewa | Wielogorska | 25 | Decontamination of antibiotic residues with cold atmospheric pressure plasma | Wednesday 30th May |

Theme 4: Delivering the nutritional needs for the 21st century global population

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| 111 | Ifeoma | Anugwa | 198 | Causes of Household Food and Nutrition Insecurity: Implications for Food Sustainability in Kano State, Nigeria | Wednesday 30th May |
| 112 | Barbara | Bray | 249 | Dietary Interventions: Nanny state or optimising the environment for healthy outcomes? A Global Perspective | Wednesday 30th May |
| 113 | Begoña | De la Roza-Delgado | 124 | Handheld NIRS analyses for classification of Asturcelta autochthonous swine breed carcasses | Wednesday 30th May |
| 114 | Oyebola Adebola | Elemide | 219 | Challenges of Operating Environment for Nutrition Research Improvement in Sub-Sahara Africa | Wednesday 30th May |
| 115 | Lauren | Ford | 162 | Seaweed production in Northern Ireland for the pig industry | Wednesday 30th May |
| 116 | Diego Luis | Garcia Gonzalez | 157 | Comparative study between trade standards for olive oil inside and outside Europe | Wednesday 30th May |
| 117 | Stavros | Gkavalias | 221 | The catabolite control protein CcpA affects phytate solubilisation in <i>Paenibacillus polymyxa</i> | Wednesday 30th May |
| 118 | Stephanie | Heaney | 110 | The use of untargeted Near-Infrared (NIR) spectroscopy to predict quality of black tea during oxidation | Wednesday 30th May |
| 119 | Monika | Jiru | 180 | Bioprospecting of five microalgae strains as a potential source of health protective compound | Wednesday 30th May |
| 120 | Ruth | Kinkead | 253 | Investigation of the herd and animal variation attributing to the nutritional properties of dairy colostrum | Wednesday 30th May |
| 121 | Simona | Lencová | 12 | Testing of fibrous nanomaterials as a barrier for microorganisms | Wednesday 30th May |
| 122 | Maria | Lopes | 178 | <i>Salicornia ramosissima</i> J. Woods - A valuable forgotten resource | Wednesday 30th May |
| 123 | Ting | Lu | 108 | Why Risk Communication often fails to deliver consumer confidence? | Wednesday 30th May |
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| 125 | Daniel | McDowell | 163 | From Anaerobic Digestate to Microalgal Animal Feeds | Wednesday 30th May |
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| 132 | Jayne | Woodside | 81 | Project Daire: Derry/Londonderry as the nexus city for food, education, trust and health | Wednesday 30th May |
| 133 | Jayne | Woodside | 246 | Improving the food knowledge and dietary intake of primary schoolchildren: the DAIRE project | Wednesday 30th May |
| 134 | Daniel | Wunderlin | 118 | CHEMICAL MARKERS TO IDENTIFY CHIA, FLAX AND SESAME FROM RAW SEEDS TO BAKERY PRODUCTS | Wednesday 30th May |
| 135 | Hollie | Bradford | 228 | A Critical Review of Farmers' Perceptions and Understanding of Antimicrobial Resistance | Wednesday 30th May |