



**13th EUROPEAN
PESTICIDE RESIDUE
WORKSHOP**
PESTICIDES IN FOOD AND DRINK
11-15 May 2020 • Granada, Spain

**EPRW
2020**



ORAL PRESENTATIONS



O - 05

UTILIZING THE LC-Q-ORBITRAP FOR SCREENING OF 800 PESTICIDES IN SOIL AND FOOD OF PLANT ORIGIN

Mrs. Marit Almvik¹, Dr Łukasz Rajska², Dr. AL Christiansen¹, Mr. SR Odenmarck¹

¹Norwegian Institute of Bioeconomy Research (NIBIO), ÅS, Norge, ²European Reference Laboratory for Pesticide Residues in Fruit and Vegetables, Agrifood Campus of International Excellence, Department of Chemistry and Physics, University of Almeria, Almeria, Spain

O - 07

DETERMINATION OF PHOSPHINE RESIDUES IN CEREALS: EXTRACTION CONDITIONS, HANDLING AND STABILITY OF THE GASEOUS ANALYTE

Dr. George Miliadis¹, Mr Petros Tsiantas¹, Mr George Siragakis¹

¹Food Allerges Laboratory, Nea Ionia, Greece

O - 08

REDISCOVERING THE LAND THAT TIME FORGOT

Dr. Jim Garvey¹, Mr William Cummins¹, Mr Denis Carr¹

¹The Department Of Agriculture, Food And The Marine, Food Chemistry Laboratory, Celbridge, Ireland

O - 17

APPLICATION OF HUMAN BIOMONITORING FOR DIETARY EXPOSURE ASSESSMENT OF PESTICIDES

Dr. Hans Mol¹, Mrs Rosalie Nijssen¹, Dr. Arjen Lommen¹, Mr Ruud van Dam¹, Mr Paul Zomer¹, Mrs Suryati Sunarto¹, Mrs Hester van den Top¹, Mrs Frederike van Tricht¹, Dr Marco Blokland¹

¹Wageningen Food Safety Research, Wageningen, Netherlands

O - 19

HOW HARMONIZED ARE THE PESTICIDES RESIDUE ANALYTICAL METHODS?

Ms. Carmen Tiu¹

¹Corteva Agriscience LLC, Indianapolis, United States, ²American Chemical Society - AGRO Executive Board Member, United States, ³OECD Residue Chemistry Expert Group, France



O - 22

A MULTILABORATORY STUDY UTILIZING nDATA (NON-TARGET DATA ACQUISITION FOR TARGET ANALYSIS) WORKFLOW FOR MULTIRESIDUE PESTICIDE SCREENING BY ULTRA-HIGH-PERFORMANCE LIQUID CHROMATOGRAPHY-HIGH RESOLUTION MASS SPECTROMETRY WITH A COMPOUND DATABASE

Dr. Jon Wong¹, Dr. Jian Wang²

¹*U.S. Food and Drug Administration, College Park, United States*, ²*Canadian Food Inspection Agency, Calgary, Canada*

O - 23

ANALYSIS OF DRY COMMODITIES USING PRESSURIZED SAMPLE EXTRACTION TO OVERCOME THE ISSUES ASSOCIATED WITH SAMPLE HYDRATION

Mr. Francisco José Díaz-Galiano¹, Mrs. María Murcia-Morales¹, Mrs. Iciar Beraza Gómez¹, Dr. María del Mar Gómez-Ramos¹, Dr. Amadeo R. Fernández-Alba¹

¹*European Union Reference Laboratory for Pesticide Residues in Fruits and Vegetables (EURL-FV), University of Almería, Spain*

O - 24

COMBINING GAS AND LIQUID CHROMATOGRAPHY TO QUADRUPOLE TIME-OF-FLIGHT MASS SPECTROMETRY FOR THE NON-TARGET SCREENING OF PESTICIDE RESIDUES IN WINE SAMPLES

Ms. Leticia Pérez Mayán¹, Dr Isaac Rodríguez Pereiro¹, Dra. María Ramil Criado¹, Dr. Rafael Cela Torrijos¹

¹*Department of Analytical Chemistry, Nutrition and Food Sciences, IAQBUS - Institute of Research on Chemical and Biological Analysis, Universidad de Santiago de Compostela, Santiago de Compostela, España*

O - 26

CUMULATIVE RISK ASSESSMENT OF PESTICIDES IN EUROPE

Mr. Jacob Van Klaveren¹, Dr. Corine Sprong, Mrs Gerda van Donkersgoed

¹*National Institute For Public Health And The Environment, Bilthoven, Netherlands*



O - 28

**TWO-STEP DISSIPATION OF THE PRO-INSECTICIDE THIOCYCLAM IN TOMATO:
FROM NEREISTOXIN TO UNKNOWN METABOLITES**

Mrs. Rosalia López-Ruiz¹, Mrs Eva Belmonte-Sánchez¹, Dr Roberto Romero-González¹, Dr Rosario Santiago-Valverde², Dr Juan Carlos López-Martínez², Mr Juan Ramirez-Cassinello², Dr José Luis Martínez Vidal¹, Dr Antonia Garrido Frenich¹

¹Research Group “Analytical Chemistry of Contaminants”, Department of Chemistry and Physics, Research Centre for Mediterranean Intensive Agrosystems and Agri-Food Biotechnology (CIAIMBITAL), University of Almeria, Agrifood Campus of International Excellence, Almeria, Spain,

²Laboratorio Analítico Bioclínico, S.L. Research Department, Almería, Spain

O - 30

THREEP – A CONCEPT OF HOW TO COMBINE QUECHERS AND QUPPE

Dr. Ulrike Jost¹, **Mrs. Friederike Habedank**¹

¹State Office For Agriculture, Food Safety And Fisheries, Rostock, Germany

O - 31

**ANALYSIS OF THIRAM, ZIRAM AND PROPINEB IN QUECHERS EXTRACTS USING
DIRECT ANALYSIS IN REAL TIME – HIGH RESOLUTION MASS SPECTROMETRY
(DART-HRMS)**

Dr. Sadat Nawaz¹, **Dr Danny Chan**¹, Mr Stephen Holmes¹, Miss Claire Wardlaw¹

¹Fera Science Ltd, York, United Kingdom



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POSTER PRESENTATIONS



PD - DEVELOPMENT AND APPLICATION OF ANALYTICAL METHODS

PD-01

VORTEX-ASSISTED MAGNETIC SOLID PHASE EXTRACTION AS A PRECONCENTRATION METHOD FOR ORGANOCHLORINE PESTICIDES PRIOR TO ANALYSIS BY GC-ECD

Dr. Rodjana Burakham¹, Ms. Dana Mustofa¹, Mr. Jirasak Gamonchuang¹

¹*Department of Chemistry, Faculty of Science, Khon Kaen University, Muang, Thailand*

PD-02

SCREENING FOR AND QUANTIFICATION OF FUNGICIDE DITHIOCARBAMATES USING QUECHERS METHODOLOGY

Dr. Hubert Zipper¹, Dr. Michelangelo Anastassiades¹, Mrs. Ellen Scherbaum¹, Dr. Carolin Seyfried¹

¹*CVUA Stuttgart, Fellbach-Schmidlen, Germany*

PD-03

EFFICIENT ANALYSIS OF CAPTAN, CAPTAFOL, FOLPET, AND THEIR METABOLITES IN FRUITS, VEGETABLES, AND CEREALS BY LC-MS/MS

Dr. Kaushik Banerjee¹

¹*National Reference Laboratory, ICAR-National Research Centre for Grapes, Pune, India*

PD-04

ANALYSIS OF HIGHLY POLAR PESTICIDES IN FOOD OF PLANT AND ANIMAL ORIGIN WITH CAPILLARY ELECTROPHORESIS-MS/MS

Michelangelo Anastassiades¹, Anja Barth¹, Dorothea Mack¹, Walter Vetter¹, **Ms. Ann-Kathrin Wachtler**¹, Cristin Wildgrube¹

¹*EU-Reference Laboratory for Pesticides Requiring Single Residue Methods, Chemisches und Veterinäruntersuchungsamt Stuttgart, Stuttgart, Germany*

PD-05

APPLICATION OF ION CHROMATOGRAPHY FOR THE POLAR PESTICIDE RESIDUE ANALYSIS

Dr. Łukasz Rajski¹, Mr. Francisco José Díaz Galiano¹, Prof. Amadeo R. Fernández-Alba¹

¹*European Union Reference Laboratory for Pesticide Residues in Fruit & Vegetables, University of Almería, Agrifood Campus of International Excellence (ceiA3), Almería, Spain*



PD-06

COMPILATION OF SELECTED ACQUISITION PARAMETERS FOR MASS SPECTROMETRIC DETECTION OF PESTICIDE METABOLITES

Dr. Kerstin Greulich¹

¹*German Federal Institute for Risk Assessment, Berlin, Germany*

PD-08

ANALYSIS OF ANIONIC AND CATIONIC PESTICIDES ON PLANT-BASED FOOD BY COUPLING ION CHROMATOGRAPHY TO Q-ORBITRAP: DEVELOPMENT AND VALIDATION

Dr. Francesco Lo Greco¹, Dr. Mariangela Palma¹, Dr. Egidio Leonetti¹, Dr. Anna D'Introno², Dr. Francesca Ferrieri¹

¹*A.R.P.A Puglia, Bari, Italy*, ²*Dipartimento di Chimica, Sapienza Università di Roma, Roma, Italy*

PD-09

DEVELOPMENT OF THE QUECHERS METHOD FOR HIGH FAT MATRICES

Mr. Lukas Kragl¹, **Dr. Iris Suckrau**¹

¹*Niedersächsisches Landesamt für Verbraucherschutz und Lebensmittelsicherheit, Oldenburg, Germany*

PD-10

DEVELOPMENT OF A LC-MS/MS MULTI-RESIDUE ANALYSIS METHOD FOR HIGHLY POLAR PESTICIDES AND THEIR METABOLITES IN APPLE, RICE AND GREEN TEA

Mr. Chih-chen Liu¹, Miss Chiao-Yu Yu¹, Mr. Shu-Wei Lin¹, Mrs. Yu-Ching Hung¹, Mr. Guan-Jhih Peng¹, Miss Nu-Ching Lin¹, Mrs. Ya-Min Kao¹, Mrs. Su-Hsiang Tseng¹, Mr. Der-Yuan Wang¹

¹*Taiwan Food and Drug Administration (TFDA), Taipei, Taiwan*

PD-11

A MULTI-RESIDUE METHOD FOR ANALYSIS OF 150 PESTICIDE RESIDUES IN SNAILS USING GAS CHROMATOGRAPHY-TANDEM MASS SPECTROMETRY

Dr. Miguel Angel Cámara Botía¹, Dr Antonio Fuster², Dr José Oliva Ortiz¹

¹*Research Group of Pesticide Chemistry, Agrofood Pollution, Ecoefficiency and Toxicology, Faculty of Chemistry, University of Murcia, Murcia, Spain*, ²*Food National Technologic Center, Molina de Segura, Spain*

PD-12

SIMULTANEOUS PESTICIDE RESIDUE ANALYSIS IN PIPER NIGRUM BY USING QUENCHERS AND GAS CHROMATOGRAPHY TANDEM MASS SPECTROMETRY

Dr. Davis Presley¹, Dr. Sreekanth Anandharam², Dr. Ahammed Shabeer TP³

¹*SSNCE, Chennai, India*, ²*NIT, Trichy, India*, ³*National Research centre for grapes, Pune, India.*



PD-13

LIQUID CHROMATOGRAPHY-TANDEM MASS SPECTROMETRY FOR THE SIMULTANEOUS DETERMINATION OF 17 PESTICIDES IN LETTUCE AND PEPPER SAMPLES

Ms. Marina Aliste¹, Dr. Isabel Garrido¹, Dr. Pilar Flores¹, Dr. Pilar Hellín¹, Dr. Nuria Vela², Dr. Simón Navarro³, Dr. José Fenoll¹

¹Murcia Institute of Agri-Food Research and Development, La Alberca, Spain, ²Faculty of Health Science, Catholic University of Murcia, Guadalupe, Spain ³Faculty of Chemistry, University of Murcia, Espinardo, Spain

PD-14

GROUNDBREAKING MEGA-METHOD FOR SIMULTANEOUS DETERMINATION OF PESTICIDES, VETERINARY DRUGS AND ENVIRONMENTAL CONTAMINANTS BY UHPLC-MS/MS AND ROBOTIC MINI-SPE CLEANUP + LPGC-MS/MS

Dr. Sergio Monteiro^{1,2}, Dr. Steven Lehotay², Dr. Yelena Sapozhnikova², Dr. Ederina Ninga^{2,3}

¹Pesticide Residue Laboratory, Environmental Protection Research Center, Biological Institute, São Paulo, Brazil, ²U.S. Department of Agriculture, Agricultural Research Service, Wyndmoor, USA, ³Department of Toxicology and Residues Monitoring, Food Safety and Veterinary Institute, Tirana, Albania

PD-15

DETERMINATION OF ETHOXYQUIN RESIDUES IN ANIMAL FEED BY GAS CHROMATOGRAPHY TANDEM MASS SPECTROMETRY AND THE RESULTS OF CATALONIAN PRODUCTION DURING 2018-2020

Ms. Laia Sanchez Costa¹, Ms. Judit Pujol Boira¹, Ms. Míriam Aragó Iglesias¹, Ms. Pilar Rodríguez Martínez¹, Ms. Mireia Medina Sala¹

¹Laboratori Agroalimentari, Cabrils, Spain

PD-16

RESULTS OF GLYPHOSATE AND OTHER POLAR PESTICIDES IN STONE AND POME FRUITS AND OTHER MATRICES DURING 2018-2019, USING LIQUID CHROMATOGRAPHY TANDEM MASS SPECTROMETRY (LC-QQQ)

Ms. Judit Pujol Boira¹, Ms. Laia Sanchez Costa¹, Ms. Míriam Aragó Iglesias¹, Ms. Pilar Rodríguez Martínez¹, Ms. Mireia Medina Sala¹

¹Laboratori Agroalimentari, Cabrils, Spain



PD-17

TRIAZOLE BACKGROUND LEVELS CHALLENGE ANALYTICS

Dr. Markus Andre¹, Mrs. Franziska Carle¹

¹*Sgs Institut Fresenius Gmbh, Taunusstein, Germany*

PD-18

DEVELOPMENT OF ANALYTICAL METHOD FOR PYMETROZINE IN LIVESTOCK PRODUCTS

Mr. Seung-Hyun Yang¹, Mr. Seung-Gu Kang¹, Mrs. Min Kim¹, Mr. Myung-Sub Yun¹, Mrs. Su-Bin Yun¹, Prof. Hoon Choi¹

¹*Wonkwang University, Iksan City, South Korea*

PD-19

DEVELOPMENT OF ANALYTICAL METHOD FOR SPINOSAD IN ORIENTAL HERBAL MEDICINES

Mrs. Min Kim¹, Mr. Seung-Hyun Yang¹, Mr. Seung-gu Kang¹, Mr. Myung-Sub Yun¹, Mrs. Su-Bin Yun¹, Prof. Hoon Choi¹

¹*Wonkwang University, Iksan City, South Korea*

PD-20

APPLICATION OF A DUAL CHANNEL UHPLC SYSTEM FOR IMPROVED PRODUCTIVITY IN PESTICIDES RESIDUES ANALYSIS

Dr. Łukasz Rajski¹, Prof. Amadeo R. Fernández-Alba¹

¹*European Union Reference Laboratory for Pesticide Residues in Fruit & Vegetables, University of Almería, Agrifood Campus of International Excellence (ceiA3), Almería, Spain*

PD-21

QUANTITATIVE MULTI-RESIDUE DETERMINATION OF HIGHLY POLAR ANIONIC PESTICIDES IN FRUIT AND VEGETABLES USING A HYBRID ION CHROMATOGRAPHY TANDEM MASS SPECTROMETRY (IC-MS/MS) SYSTEM

Mrs. Laura M. Melton¹, Dr Michael J. Taylor¹, Ms Emily E. Flynn¹, Mr Andrew T. Wilson¹, Mr Steven Barbara¹, Mrs Kirsty B. Reid¹, Mrs Katie J. Viezens¹

¹*SASA, Scottish Government, Edinburgh, United Kingdom*

PD-22

OPTIMIZED SAMPLE PREPARATION FOR MULTI-RESIDUE SCREENING OF PESTICIDES BY GC-MS/MS AND UHPLC-MS/MS IN HIGH LIPID CONTENT MATRICES

Dr. Aline Staub Spörri¹, Dr. Grégoire Bonvin¹, Dr. Didier Ortelli¹, Dr. Patrick Edder¹

¹*Food Authority Control and Veterinary Affairs Of Geneva, Geneva, Switzerland*



PD-23

RESIDUES OF ANILINOPYRIMIDINE FUNGICIDES AND SUSPECTED METABOLITES IN WINE SAMPLES

Mrs. Gabriela Castro Varela, Ms. Leticia Pérez Mayán, Dr. Inma Carpinteiro, Dr. María Ramil, Dr. Rafael Cela, Dr. Isaac Rodríguez

¹*Department of Analytical Chemistry, Nutrition and Food Sciences, Institute of Research on Chemical and Biological Analysis (IAQBUS), Universidad de Santiago de Compostela, Santiago De Compostela, Spain*

PD-24

IMPROVED OF SIMPLIFIED SAMPLE PREPARATION WITH ADDED CLEANUP SPE IN MULTIRESIDUE PESTICIDES ANALYSIS BY GC-MS/MS

Mr. Koji Sato¹, Mrs. Masami Tamanoi¹

¹*Oita Headquarters National Federation of Agricultural Co-operative Associations, Oita-shi, Japan*

PD-25

RESIDUAL CHARACTERISTICS OF MANCOZEB IN SATSUMA MANDARIN (CITRUS UNSHIU MARCOV.) FRUITS UNDER FIELD AND GREENHOUSE CONDITIONS

Mr. Seok-Hee Jin¹, Ms. Ji-yeon Ryu¹, Mrs Mi-Ra Ko¹, Mr. Dae-Woon Kim¹, Mr. Hong-jun Ko¹, Ms. Na-Ri Shin¹, Mr. Sung Jae Bae¹, Mr. Won-gyo Choi¹, Mr. Jae-ho Seo¹

¹*National Agricultural Products Quality Management Service, Jeju Provincial Office, Jeju-si, South Korea*

PD-26

COMPARISON OF QUPPE METHOD WITH FLOW INJECTION – MASS SPECTROMETRY METHOD FOR GLYPHOSATE ANALYSIS. METHOD VALIDATION AND APPLICATION TO INCURRED SAMPLES OF HIGH STARCH AND/OR PROTEIN CONTENT AND LOW WATER AND FAT CONTENT

Dr. Ivan Pecorelli¹, Dr. Biancamaria Ciasca², Dr. Lavinia Lepore³, Dr. Angela Paoloni¹, Dr. Lucia Catucci³, Dr. Emanuela Verdini¹, Dr. Michelangelo Pascale², Dr. Veronica Maria Teresa Lattanzio²

¹*Istituto Zooprofilattico Sperimentale dell'Umbria e delle Marche "Togo Rosati", Perugia, Italy,*

²*Institute of Sciences of Food Production, National Research Council of Italy, Bari, Italy,* ³*Department of Chemistry, University "Aldo Moro" of Bari, Bari, Italy*

PD-27

SELECTIVE MULTIRESIDUE DETERMINATION OF HIGHLY POLAR ANIONIC PESTICIDES IN FEED USING HYDROPHILIC INTERACTION LIQUID CHROMATOGRAPHY-TANDEM MASS SPECTROMETRY

Dr. Jonatan Dias¹, Dr. Sonia Herrera López¹, Dr. Hans Mol¹, Dr. André de Kok¹

¹*Wageningen Food Safety Research, Wageningen, Netherlands*



PD-28

**DIRECT ANALYSIS OF HIGHLY POLAR PESTICIDES AND THEIR MAIN METABOLITES
IN ANIMAL ORIGIN MATRICES AND PLANT-BASED BEVERAGES**

Dr. Sonia Herrera Lopez¹, Dr. Jonatan Dias¹, Dr. Andre de Kok¹

¹Wageningen Food Safety Research. National Reference Laboratory (NRL) for Pesticide Residues in Food and Feed, Wageningen, Netherlands

PD-29

**EVALUATION OF THE INFLUENCE OF SWATH® ACQUISITION METHOD ON
IDENTIFICATION AND QUANTIFICATION OF PESTICIDE RESIDUES IN COMPLEX
MATRICES BY LC-QTOF**

Ms Iciar Beraza Gómez¹, Ms Maria José Gómez Ramos¹, Mr Lukasz Rajski¹, Mr Amadeo R. Fernández-Alba¹

¹European Union Reference Laboratory for Pesticide Residues in Fruit & Vegetables, University of Almeria, Agrifood Campus of International Excellence (ceiA3), Almeria, España

PD-30

**DETECTION AND IDENTIFICATION OF PESTICIDES IN COMPLEX MATRICES BY
QORBITRAP (VDIA MS2) USING DIFFERENT NUMBER OF MASS WINDOWS**

Ms. Iciar Beraza Gómez¹, Mr Lukasz Rajski¹, Ms Maria José Gómez Ramos¹, Mr Amadeo R. Fernández-Alba¹

¹European Union Reference Laboratory for Pesticide Residues in Fruit & Vegetables, University of Almeria, Agrifood Campus of International Excellence (ceiA3), Almeria, España

PD-31

**FAST AND SENSITIVE DETERMINATION OF GLYPHOSATE, GLUFOSINATE AND
AMPA IN TEA AND HERBS WITHOUT DERIVATIZATION**

Mr. Philip Kaprol¹, Dr. Niels Münster¹, Mrs. Constance Seifarth¹

¹SGS Institut Fresenius GmbH, Berlin, Germany

PD-32

**DEVELOPMENT AND VALIDATION OF AN ANALYTICAL METHOD FOR THE
DETERMINATION OF MATRINE AND OXYMATRINE RESIDUES USING A MODIFIED
QUPPE PROCEDURE**

Dr. Niels Münster¹, Mr. Philip Kaprol¹, Mrs. Constance Seifarth¹

¹SGS Institut Fresenius GmbH, Berlin, Germany



PD-33

SUPERCritical FLUID CHROMATOGRAPHY COUPLED TO TANDEM MASS SPECTROMETRY FOR THE ANALYSIS OF CAPTAN AND FOLPET IN FRUITS AND VEGETABLES

Mr. Víctor Cutillas Juárez¹, Prof Amadeo R. Fernández-Alba¹

¹European Union Reference Laboratory for Pesticide Residues in Fruits & Vegetables, University of Almería, Agrifood Campus of International Excellence (ceiA3), Almería, Spain

PD-34

DETECTION AND QUANTIFICATION OF AMPHIPHILIC BIOCIDES IN DAIRY MATRICES AND ON AGRO-FOOD SURFACES: A FOCUS ON QUATERNARY AMMONIUM COMPOUNDS (QACS) AND (3-AMINOPROPYL)-N-DODECYLPROPANE-1,3-DIAMINE (AMPD)

Dr. Robin Bofinger¹, Dr. Kahina Slimani¹, Mrs. Yvette PIROTAIS¹, Dr. Dominique Hurtaud-Pessel¹

¹Anses, Javené, France

PD-35

RAPID AND SIMULTANEOUS ANALYSIS OF 113 PESTICIDE RESIDUES IN CHICKEN AND EGG USING GC-MS/MS

Miss Heeju Han¹, Mr. Junghak Lee¹, Miss Boeun Ju¹, Mr. Xiu Yuan¹, Miss Eunyoung Park¹, Mr. Rakdo Ko¹, Dr. Yongho Shin¹, Prof. Jeong-Han Kim¹

¹Seoul National University, Seoul, South Korea

PD-36

DEVELOPMENT OF THE ANALYTICAL METHOD FOR HEXYTHIAZOX IN A TRADITIONAL HERBAL MEDICINE, ANGELICA KOREANA L., USING LC-MS/MS

Miss Boeun Ju¹, Mr. Junghak Lee¹, Miss Heeju Han¹, Mr. Xiu Yuan¹, Miss Eunyoung Park¹, Mr. Rakdo Ko¹, Dr. Yongho Shin¹, Prof. Jeong-Han Kim¹

¹Seoul National University, Seoul, South Korea

PD-37

INTERFERENCE OF COFFEE MATRIX ON DETERMINATION OF AZINPHOS-METHYL PESTICIDE AND THE RESOLUTION STRATEGIES

Mrs. Yi Hua Chiu¹, Mr. Hsin Yi Chen¹, **Mrs. Wan Erh Chen**¹, Dr. Deng Jye Yang², Dr. Ying Chun Wan¹

¹Testing Laboratory, Creation Food Co., LTD., Taipei, Taiwan, ²Institute of Food Safety and Health Risk Assessment, School of Pharmaceutical Sciences, National Yang-Ming University, Taipei, Taiwan



PD-38

DETECTION OF >200 QUECHERS PESTICIDES IN FOOD MATRICES VIA AGILENT 7250 GC/Q-TOF

Dr. Christopher Grimm¹, Dr. Jens Lütjohann¹, Dr. Jörg Riener², Mr. Stefan Bammann¹

¹Galab Laboratories GmbH, Hamburg, Germany, ²Agilent, Waldbronn, Germany

PD-39

BUFFER FREE ANALYSIS OF POLAR PESTICIDES USING WATERS ANIONIC POLAR PESTICIDES COLUMN

Dr. Christopher Grimm¹, Mr. Frank Schreiber¹

¹Galab Laboratories GmbH, Hamburg, Germany

PD-40

MULTI-CLASS PESTICIDE RESIDUES ANALYSIS IN OLIVE OILS USING LIQUID-LIQUID EXTRACTION AND ENHANCED MATRIX REMOVAL LIPID CARTRIDGE CLEANUP METHODOLOGY FOLLOWED BY LC-MS/MS AND GC-MS/MS

Dr. Helen Botitsi¹, Mrs Helen Lemonoudi^{1,2}, Dr Spyros Antoniou¹, Dr Anastasios Economou², Dr Despina Tsipi¹

¹General Chemical State Laboratory, Athens, Greece, ²Department of Chemistry, University of Athens, Athens, Greece

PD-41

DETERMINATION OF CHLORATE IN FOOD AND WATER: VALIDATION STUDY AND ANALYSIS OF FOOD AND DRINKING WATER SAMPLES, STUDY ON CHLORATE REDUCTION IN DRINKING WATER AND ITS ACCUMULATION IN PLANTS

Mr. Panayiotis Constantinou^{1,2}, Dr. Agapios Agapiou², Mrs. Olymbiada Kourouzidou¹, Mrs. Despo Louca Christodoulou¹

¹Pesticide Residues Laboratory, State General Laboratory, Nicosia, Cyprus ²Department of Chemistry, University of Cyprus, Nicosia, Cyprus

PD-42

CONFIRMATORY METHOD FOR THE SIMULTANEOUS DETERMINATION OF MULTICLASS PESTICIDE RESIDUES IN FOOD OF ANIMAL ORIGIN BY A SMART SAMPLE-PREP PROCEDURE AND GAS CHROMATOGRAPHY-TANDEM MASS SPECTROMETRY

Dr. Mara Gasparini¹, Dr. Gabriella Cancemi¹, Mrs. Giuseppina Castrezzati¹, Dr. Enrica Ferretti¹

¹Istituto Zooprofilattico Sperimentale della Lombardia e dell'Emilia Romagna "B. Ubertini", Brescia, Italia

PD-43

MULTIRESIDUE METHOD FOR THE ANALYSIS OF A WIDE RANGE OF PESTICIDES IN PROCESSED FRUIT BY UHPLC-MS/MS

Dr. Juan Carlos López Martínez¹, Dr Rosario Santiago Valverde¹, Mrs Noelia M. Valera Tarifa¹, Dr. M. Elena Heranández Torres¹, Mr. Juan Ramirez Cassinello¹, Dr. José Luis Martínez Vidal², Dr. Antonia Garrido-Frenich²

¹Bio-clinical Analytical Laboratory (LAB), PITA, Almería Science and Technology Park, Spain,

²Department of Chemistry and Physics, University of Almeria, Agrifood Campus of International Excellence ceiA3, España

PD-44

VALIDATION OF RICE BASED BABY FOOD USING A GC-MSMS EQUIPPED WITH ADVANCED ELECTRON IONIZATION SOURCE (AIE)

Mrs. Mette Erecius Poulsen¹, Dr. Susan Strange Herrmann¹

¹DTU, National Food Institute, Lyngby, Denmark

PD-45

PRELIMINARY STUDY TO DETERMINE PESTICIDES AND MYCOTOXINS IN NATIVE SOUTH AMERICAN TEA (MIKANIA GLOMERATA SPRENG) BY QUECHERS EXTRACTION AND LC-MS/MS

Dr. Bárbara Reichert¹, Marlos Fontana¹, Barbara Jänisch¹, Priscila Balbinot¹, Lisandra Cuti¹, Robson Wouters¹, **Dr Rosselei da Silva**¹, Dr Carmem Cardoso¹, Dr Ionara Pizzutti¹

¹Federal University of Santa Maria (UFSM)- Chemistry Department - Center of Research and Analysis of Residues and Contaminants (CEPARC), Santa Maria, Brazil

PD-46

MULTI-CLASS METHOD TO DETERMINE PESTICIDES AND MYCOTOXINS IN OLIVE BY LC-MS/MS. PART 1: PESTICIDES

Dr. Barbara Reichert¹, Marlos Fontana¹, Barbara Jänisch¹, Priscila Balbinot¹, Lisandra Cuti, Guilherme Casa Nova¹, **Dr Rosselei da Silva**¹, Dr Carmem Cardoso¹, Dr Ionara Pizzutti¹

¹Federal University of Santa Maria (UFSM) – Chemistry Department – Center of Research and Analysis of Residues and Contaminants (CEPARC), Santa Maria, Brazil

PD-47

REDUCTION OF MATRIX EFFECTS IN RAPID ANALYSIS METHOD FOR DETERMINATION OF DITHIOCARBAMATES IN AGRICULTURAL PRODUCTS

Mr. Satoshi Ishiwata¹, Ms. Shiho Sakai, Ms. Kanae Sakurai, Ms. Chihiro Nakamura, Mr. Takahiro Watanabe

¹HOKUREN Federation of Agricultural Cooperatives, Food Analysis Center, Agricultural Research Institute, Sapporo, Japan



PD-48

OPTIMIZATION OF THE QUECHERS CLEAN-UP PROCESS IN SAMPLES WITH HIGH CONTENT OF CHLOROPHYLL BY LC-MS/MS

Dr. Klaudia Pszczolinska¹, Barbara Kociołek¹

¹*Institute of Plant Protection-National Research Institute Sosniewice Branch, Sosniewice, Poland*

PD-49

DETERMINATION OF PESTICIDE RESIDUES IN RED WINES FROM THE CANARY ISLANDS AND OTHER REGIONS OF SPAIN BY ULTRA-HIGH PERFORMANCE LIQUID CHROMATOGRAPHY-SINGLE QUADRUPOLE-TIME OF FLIGHT MASS SPECTROMETRY

Mr. Álvaro Santana Mayor¹, Mrs Ruth Rodríguez Ramos¹, Dr. Bárbara Socas Rodríguez¹, Dr. Miguel Ángel Rodríguez Delgado¹

¹*Universidad de La Laguna, San Cristóbal de La Laguna, España*

PD-50

SIMULTANEOUS TARGET AND NON-TARGET SCREENING METHOD FOR PESTICIDE RESIDUE ANALYSIS IN TROPICAL FRUITS AND VEGETABLES BY LIQUID CHROMATOGRAPHY HIGH RESOLUTION MASS SPECTROMETRY-ORBITRAP

Mr. Iván Huérfano¹, Dr. Jairo Guerrero¹

¹*Universidad Nacional de Colombia, Bogotá D.C, Colombia*

PD-51

IMPROVEMENT OF LC-MS/MS ANALYSIS OF QUATERNARY AMMONIUM COMPOUNDS BY USING A TRAP COLUMN

Mr. Paul Zomer¹, Mrs. Rita Boerrigter-Eenling¹, Dr. Hans Mol¹

¹*Wageningen Food Safety Research, Wageningen, Netherlands*

PD-52

PESTICIDES ANALYSES IN EGGS

Mrs. Carmen González Macía¹, Mrs. Elvira Carbonell¹, Mercedes Castillo¹

¹*Public Health Laboratory of Valencia-Conselleria Sanitat, Valencia, Spain*

PD-53

A MODIFIED LCMSMS METHOD FOR THE SIMULTANEOUS DETERMINATION OF HIGHLY POLAR ORGANOPHOSPHORUS PESTICIDE RESIDUES - GLYPHOSATE, AMPA, GLUFOSINATE AND ETHEPHON

Mr. Say Yong Toh¹

¹*Singapore Food Agency, Singapore*



PD-54

AUTOMATED EXTRACTION OF ANTHRAQUINONE IN DRY MATRICES AND REAL SAMPLE MONITORING

Mr. Francisco José Díaz-Galiano¹, Mrs. María Murcia-Morales¹, Dr. María del Mar Gómez-Ramos¹, Dr. Carmen Ferrer¹, Dr. Amadeo R. Fernández-Alba¹

¹*Agrifood Campus of International Excellence ceiA3 (ceiA3), Department of Chemistry and Physics, University of Almería, Spain; European Union Reference Laboratory For Pesticide Residues In Fruits And Vegetables (EURL-FV), La Cañada de San Urbano, Spain*

PD-55

DEMETON, DISULFOTON, FENSULFOTHION AND FIPRONIL METABOLITES DETERMINATION IN BABY FOOD PRODUCTS BY LC-MS/MS

Dr. Gorica Vuković¹, **Dr. Bojana Špirović Trifunović**², Dr. Vojislava Bursić³, Mrs. Marina Nedović¹, Mr. Nebojša Vuković¹, Mrs. Tijana Stojanović³, Dr. Aleksandra Petrović³, Dr. Dušan Marinković³

¹*Institute For Public Health, Belgrade, Serbia,* ²*University of Belgrade, Faculty of Agriculture, Belgrade - Zemun, Serbia,* ³*University of Novi Sad, Faculty of Agriculture, Novi Sad, Serbia*

PD-56

DEVELOPMENT AND VALIDATION OF A LC-MS/MS METHOD FOR DETERMINATION OF NON-DERIVATIZED GLYPHOSATE IN CEREALS AND OILSEEDS

Dr. Marija Kovač¹, Mr. Tomislav Rot¹, Mr. Ante Nevistić¹, Mrs. Jasna Jakovljević¹, Dr. Mateja Bulaić¹

¹*Inspecto d.o.o., Osijek, Croatia*

PD-57

DETERMINATION OF CHLORATE AND PERCHLORATE BY LC-MS/MS IN A BROAD RANGE OF FOOD COMMODITIES INCLUDING FINISH PRODUCTS AND RAW MATERIALS

Dr. José Fernando Huertas Pérez¹, Dr. Pascal Mottier¹, Mr. Mathieu Dubois¹, Mr. Quentin Baslé², Mrs. Shi Ying Tan², Mrs. Monika Kopeć-Durska³, Mr. Piotr Olszański³, Mrs. María Guadalupe Sánchez Calderón⁴, Mrs. Antoinette Burton⁵, Mrs. Ashley Griffin⁵

¹*Nestlé Research, Lausanne, Switzerland,* ²*Nestlé Quality Assurance Center Singapore, Singapore,* ³*Nestlé Quality Assurance Center Rzeszów, Rzeszów, Poland,* ⁴*Nestlé Quality Assurance Center Toluca, Toluca, México,* ⁵*Nestlé Quality Assurance Center Dublin, Dublin, United States*

PD-58

BMT-50-S/G TUBE FOR THE EXTRACTION OF PESTICIDES FROM FISH AND MEAT SAMPLES

Prof. Karl Speer¹, Mrs. Cathleen Filip¹, Dr. Thomas Frenzel²

¹*TU Dresden, Food Chemistry, Dresden, Germany,* ²*Saxon State Laboratory of Health and Veterinary Affairs, Dresden, Germany*



PD-59

ANALYSIS OF PECTIN - BOUND FLUDIOXONIL RESIDUES IN APPLE SAMPLES AFTER ENZYMATIC DIGESTION

Prof. Karl Speer¹, Mr. Linus Löbner¹, Dr. Thomas Frenzel²

¹TU Dresden, Food Chemistry, Dresden, Germany, ²Saxon State Laboratory of Health and Veterinary Affairs, Dresden, Germany

PD-60

DETERMINATION OF 23 ORGANOCHLORINE PESTICIDES IN FAT-RICH ANIMAL FEED AFTER QUOIL EXTRACTION AND EMR-LIPID CLEAN-UP

Dr. Stefanie Ronczka¹, Mrs. Gabriele Pieper¹, Dr. Ludger Anders¹, Dr. Gabriele Witt¹

¹Landeslabor Berlin Brandenburg, Berlin, Germany

PD-61

PESTICIDE RESIDUES ANALYSIS IN RAISINS USING ETHYL ACETATE EXTRACTION

Mrs. Maria Constantinou¹, Dr Agapios Agapiou¹, **Mrs. Despo Louca Christodoulou²**

¹University of Cyprus, Nicosia, Cyprus, ²State General Laboratory of Cyprus, Nicosia, Cyprus

PD-62

EVALUATION OF THE TRANSFERENCE OF PESTICIDE RESIDUES FROM CHAMOMILE HERB TO THE INFUSION

Ms. Analía Bertón¹, Ms. Natalia Gérez García¹, Dr. Horacio Heinzen¹, Dr. Veronica Cesio¹

¹Facultad de Química, Montevideo, Uruguay

PD-63

TWO-DIMENSIONAL GAS CHROMATOGRAPHY WITH TIME-OF-FLIGHT MASS SPECTROMETRIC DETECTION FOR ANALYSIS OF PESTICIDE RESIDUES IN FOOD OF PLANT ORIGIN

Dr. Radim Stepan¹, Dr. Petr Cuhra¹, Dr. Martin Kubik¹, Dr. Tomas Kovalczuk²

¹Czech Agriculture and Food Inspection Authority, Prague, Czech Republic, ²Leco Instrumente Plzen, Plzen, Czech Republic

PD-64

ANALYSIS OF POLAR PESTICIDES IN FOOD USING ION CHROMATOGRAPHY WITH TANDEM MASS SPECTROMETRY

Dr. Katerina Jarolimkova¹, Dr. Radim Stepan¹, Dr. Petr Cuhra¹, Dr. Martin Kubik¹

¹Czech Agriculture and Food Inspection Authority, Prague, Czech Republic



PD-65

MONITORING THE IMPACT OF ANALYTICAL PROCEDURES ON THE FORMATION OF P,P'-DICHLOROBENZOPHENONE (DCBP)-DICOFOL DEGRADATION PRODUCT

Dr.sc. Gordana Jurak¹, Dr.sc. Adela Krivohlavek¹, Prof.dr.sc. Jasna Bošnjir¹

¹*Teaching Institute of Public Health Dr Andrija Štampar, National Reference Laboratory for Pesticide Residues, Zagreb, Croatia*

PD-66

MULTIRESIDUES PESTICIDE DETERMINATION IN HONEY AND BEESWAX BY MEANS GAS CHROMATOGRAPHY-QUADRUPOLE MASS SPECTROMETRY: COMPARISON OF TWO EXTRACTION METHODS USING QUECHERS

Dr. Claudia Focardi¹, Mrs Giulia Biancalani, Mr Andrea Donnini, MR Bruno Neri

¹*Istituto Zooprofilattico Lazio E Toscana, San Martino Alla Palma -Scandicci, Italy*

PD-67

COMPARISON OF CLEAN-UP TECHNIQUES IN PESTICIDE RESIDUES ANALYSIS IN PORK FAT

Mrs Patrizia Pelosi¹, Mrs Graziella Amendola¹, Mrs Valentina Picardo¹

¹*Istituto Superiore di Sanità - National Institute of Health, Roma, Italy*

PD-68

ANALYSIS OF PESTICIDE RESIDUES IN ANIMAL FATS BY EMR-LIPID PLUS C18 CLEAN-UP AND TRIPLE QUADRUPOLE DETERMINATION

Mrs Patrizia Pelosi¹, Mrs Graziella Amendola¹, Mrs Patrizia Stefanelli¹, Mrs Valentina Picardo¹

¹*Istituto Superiore di Sanità - National Institute of Health, Roma, Italy*

PD-69

ANALYSIS OF CAPTAN/THPI AND OF FOLPET/PI VIA GC-MS/MS AND LC-MS/MS

Dr. Florian Hägele^{1,2}, Mrs. Dorothea Mack^{1,2}, Mrs. Ellen Scherbaum^{1,2}, Dr. Michelangelo Anastassiades^{1,2}

¹*Chemisches und Veterinäruntersuchungsamt (CVUA) Stuttgart, Fellbach, Germany*, ²*EURL for Single Residue Methods, Fellbach, Germany*

PD-70

ANALYSIS OF MATRINE AND OXYMATRINE IN TEA BY LC-MS/MS

Mr. Roman Donat¹, Mr. André Thiems¹, Mr. Sebastian Felizeter¹, Dr. Vera Schneider¹, Dr. Thomas Anspach¹

¹*Eurofins Dr. Specht International GmbH, Hamburg, Germany*



PD-71

COMMON BEAN: PESTICIDE RESIDUES DETERMINATION USING OPTIMIZED QUECHERS APPROACH FOLLOWED BY SOLVENT EXCHANGE AND GC-MS/MS ANALYSIS

Prof. Ionara Regina Pizzutti¹, Dr. Barbara Reichert¹, M.Sc. Marlos Eduardo Zorzella Fontana¹, Mrs. Barbara Diana Jänisch¹, Dr. Carmem Dickow Cardoso¹, Dr. Rosselei Caiel da Silva¹

¹*Federal University of Santa Maria (Ufsm)/Center of Santa Maria, Brasil*

PD-72

ANALYTICAL METHOD VALIDATION FOR PESTICIDE RESIDUES DETERMINATION IN OAT WITHIN THE FRAMEWORK OF ISO/IEC 17025 ACCREDITATION

Prof. Ionara Regina Pizzutti¹, M.Sc. Marlos Eduardo Zorzella Fontana¹, M.Sc. Ingrid Duarte dos Santos¹, Ms. Bárbara Diana Janisch¹, Mrs. Priscila Balbinot¹, Dr. Carmem Dickow Cardoso¹, Dr. Rosselei Caiel da Silva¹

¹*Federal University of Santa Maria (Ufsm)/Center of Santa Maria, Brasil*

PD-73

HIGHLY SENSITIVE GC-MS/MS MULTI-METHOD FOR THE DETERMINATION OF PESTICIDE RESIDUES IN CEREALS AND FEEDING STUFF

Dr. Anna Nowacka¹, Dr. Agnieszka Holodynska-Kulas¹, Dr. Rafal Motala¹, Mr. Bartosz Ciorga¹, Mr. Adam Perczak¹

¹*Institute of Plant Protection – National Research Institute, Poznan, Poland*

PD-74

ANALYSIS OF POLAR PESTICIDES IN SAMPLES OF PLANT AND ANIMAL ORIGIN USING THE QUPPE METHOD

Ms. Marina Chanidou¹, Dr. Sadat Nawaz¹, Mr. Lewis Hutchinson¹, Mr. Lewis Marden¹, Ms. Wendy Read¹

¹*Fera Science Ltd., York, United Kingdom*

PD-75

GLYPHOSATE AND ITS METABOLITES IN BOVINE MILK: ANALYTICAL METHOD OPTIMIZATION AND VALIDATION

Mrs. Marine Lambert¹, Mr Antoine Ducrocq¹, Dr Gwenaëlle Lavison-Bompard¹, Mrs Chanthadary Inthavong¹

¹*Université Paris-Est, ANSES, Laboratory for Food Safety, Maisons-Alfort, France*



PD-76

METABOLITES OF DIMETHOATE AND OMETHOATE - METHOD DEVELOPMENT AND PILOT MONITORING

Dr. Michelangelo Anastassiades¹, Mrs. Ellen Scherbaum¹, Mrs. Dorothea Mack¹, Mrs. Anja Barth¹

¹CVUA Stuttgart, Fellbach, Germany

PD-77

DETERMINATION OF HIGHLY POLAR PESTICIDES IN FRUIT AND VEGETABLES USING A POLYVINYL ALCOHOL COLUMN BY ION EXCHANGE LC/MS/MS

Dr. Francisco Javier Garrido Herrera¹, Mr. Carlos Bueno Berozo²

¹Labcolor - Coexphal, Almería, Spain, ²Agilent Technologies Spain, S.L., Madrid, Spain

PD-78

DETERMINATION OF POLAR PESTICIDES IN EDIBLE OILS AND NUTS BY ULTRA-HIGH PERFORMANCE LIQUID CHROMATOGRAPHY-TANDEM MASS SPECTROMETRY

Mr Jose Luis Hidalgo-Ruiz¹, **Ms Marta Vargas Perez¹**, Dr. Roberto Romero Gonzalez¹, Dr. Jose Luis Martinez Vidal¹, Dr. Antonia Garrido Frenich¹

¹Universidad de Almeria, Almeria, Spain

PD-79

MASS SPECTROMETRY FOR THE ANALYSIS OF PESTICIDE RESIDUES IN MILK

Dr. Gorica Vuković¹, **Dr. Vojislava Bursić²**, Dr. Bojana Špirović Trifunović³, Dr. Aleksandra Petrović², Dr. Nikola Puvača⁴, Dr. Dušan Marinković², Mrs. Tijana Stojanović²

¹Institute of Public Health, Belgrade, Belgrade, Serbia, ²University of Novi Sad, Faculty of Agriculture, Novi Sad, Serbia, ³University of Belgrade, Faculty of Agriculture, Belgrade - Zemun, Serbia, ⁴Faculty of Economics and Engineering Management, University Business Academy in Novi Sad, Novi Sad, Serbia

PD-80

MINI-QUECHERS METHOD WITH TWO-STEP DSPE CLEANUP FOR DETERMINATION OF 270 PESTICIDE RESIDUES IN BEEBREAD BY LC-MS/MS AND GC-MS/MS

Dr. Tomasz Kiljanek¹, Prof. Alicja Niewiadowska¹, Mrs. Marta Gawel¹, Mrs. Olga Burek¹, Dr. Stanisław Semeniuk¹, Mrs. Patrycja Łusiak¹

¹National Veterinary Research Institute (PIWET), Department of Pharmacology and Toxicology, Pulawy, Poland



PD-81

SCREENING OF MORE THAN 1000 PESTICIDES IN VEGETABLES WITH TRIPLE QUADRUPOLE MASS SPECTROMETRY COUPLED TO GAS AND LIQUID CHROMATOGRAPHY.

Mr. Alberto Álamo¹, Mrs. Julia Borge¹, Mrs Gema Agudo¹, Mrs. Pilar Jiménez¹

¹Laboratorio Salud Pública Ayto Madrid. Madridsalud, Madrid, Spain

PD-82

QUECHERSER SAMPLE PREPARATION AND ANALYSIS OF PESTICIDES IN HEMP PRODUCTS BY ITSP+LPGC- AND BACK-FLUSHED UHPLC- COMPARING MS/MS WITH ORBITRAP DETECTION

Dr. Steven J. Lehotay¹, Dr. Nicolas Michlig^{1,2}, Mr. Alan R. Lightfield¹, Prof. Maria Rosa Repetti²

¹USDA Agricultural Research Service, Wyndmoor, United States, ²PRINARC Universidad Nacional del Litoral, Santa Fe, Argentina

PD-83

ANALYSIS OF GLYPHOSATE ON FOOD FROM ANIMAL ORIGIN

Dr. Nuria Cortés-Francisco¹, Mrs. Eulàlia Serrahima¹, Mr. Josep Calderón¹

¹Laboratori de l'Agència de Salut Pública de Barcelona, Barcelona, Spain

PD-84

SIMPLE AND MINIATURIZED METHOD TO ANALYZE TRACES OF PESTICIDES AND PCBS IN BREAST MILK USING GC-QQQ-MS FOR MONITORING PURPOSES IN BREAST MILK BANKS

Mrs Analia Berton Passarino¹, Mrs Natalia Gerez Garcia¹, Prof. Maria Veronica Cesio¹, **Prof. Horacio Heinzen**¹

¹Grupo de Análisis de Compuestos Traza (GACT), DQO, Facultad de Química, UdelaR, Montevideo, Uruguay

PD-85

QUECHERS OPTIMIZATION AND VALIDATION BY EXPERIMENTAL DESIGN METHODOLOGY FOR THE DETERMINATION OF NEONICOTINOID PESTICIDES IN HONEY

Melina Michlig^{1,2}, Dr. Romina Brasca^{1,2,3}, Dr. Luisina Demonte^{1,2}, Florencia Magni¹, Dr. Nicolás Michlig^{1,2}, Daiana Raats¹, Prof. Horacio Beldoménico¹, **Prof. María Rosa Repetti**¹

¹Programa de Investigación y Análisis de Residuos y Contaminantes Químicos (PRINARC), Facultad de Ingeniería Química, Universidad Nacional del Litoral, Santa Fe, Argentina, ²Consejo Nacional de Investigaciones Científicas y Técnicas (CONICET), CABA, Argentina, ³Laboratorio de Desarrollo Analítico y Quimiometría (LADAQ), Cátedra de Química Analítica I, Facultad de Bioquímica y Ciencias Biológicas, Universidad Nacional del Litoral, Santa Fe, Argentina



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COMPARISON BETWEEN TWO ANALYTICAL METHODS FOR THE DETERMINATION OF PESTICIDE RESIDUES IN VEGETABLE OIL RESPECTIVELY BASED ON SPE-C18 AND DEMR-LIPID CLEAN UP

Mrs Valentina Picardo¹, Mrs Patrizia Pelosi¹, Mrs Tiziana Generali¹, Mr Danilo Attard Barbini¹, Mrs Graziella Amendola¹

¹*National Institute of Health, Rome, Italy*

PD-87

ANALYSIS OF HIGHLY POLAR PESTICIDES IN FOOD OF PLANT AND ANIMAL ORIGIN BY IC-MS/MS

Michelangelo Anastassiades¹, Anja Barth¹, Dorothea Mack¹, Walter Vetter¹, **Ms. Ann-Kathrin Wachtler**¹, Cristin Wildgrube¹

¹*EU-Reference Laboratory for Pesticides requiring Single Residue Methods, Chemisches und Veterinäruntersuchungsamt Stuttgart, Stuttgart, Germany*



PM - REGULATORY ISSUES AND MONITORING

PM-01

PESTICIDES RESIDUES IN STRAWBERRY FRUITS COLLECTED FROM MAJOR PRODUCING AREAS IN EGYPT

Prof. Atef Nassar¹, Dr Yehia Salim¹, Dr Eman Nour El-Deen¹

¹*Plant Protection Department, Faculty of Agriculture, Damanhour University, Damanhour, Egypt*

PM-02

CONSULTANCY PERSPECTIVE ON EU MRL SETTING FOR HONEY

Ms. Alexia Faure¹, Ms. Amélie Grimaldi¹, Ms Silke Peterek²

¹*Staphyt Regulatory, Lyon, France*, ²*Staphyt, Möttingen, Germany*

PM-03

MULTI PESTICIDE RESIDUE ANALYSIS FOR AUSTRALIAN FRESH PRODUCE BY HIGH RESOLUTION LC/MS AND POSITIVE DETECTION STATISTICS IN RECENT YEARS

Mr. Bruce Chen¹, Mrs. May Zhou¹, Mr. Eddie Wang¹

¹*Symbio Laboratories, Brisbane, Australia*

PM-04

SAFETY MONITORING SYSTEM OF AGRICULTURAL PRODUCTS IN THE PRODUCTION STAGE OF SOUTH KOREA

Dr. Jeehwa Hong¹, Dr. Soon-Kil Cho¹, Dr. Sunghie Hong¹, Dr. Guk-Tak Han²

¹*Experiment Research Institute, National Agricultural Products Quality Management Service, Gimcheon-si, South Korea*, ²*Consumer Information & Food Safety Division, National Agricultural Products Quality Management Service, Gimcheon-si, South Korea*

PM-05

CHEMOMETRIC TOOL FOR FASTER REGULATORY STEPS

Dr. Roberto molteni¹

¹*Ministry of Agriculture, Milan, Italy*

PM-06

RESIDUE ANALYTICAL METHODS FOR BIOCIDES RESIDUES IN FOODS – A CHALLENGE FOR THE FUTURE

Dr. Angelika Steinborn¹, Dr. Kathrin Gottlob¹, Dr. Britta Michalski¹

¹*Federal Institute For Risk Assessment, Berlin, Germany*



PM-07

RESIDUE ANALYSIS OF NEW PESTICIDES 2018-2019

Dr. Jochen Heidler¹, Dr Helke Franz²

¹Federal Institute for Risk Assessment (BfR), Berlin, Germany, ²Federal Office of Consumer Protection and Food Safety (BVL), Braunschweig, Germany

PM-08

PESTICIDE CONTAMINATION OF SOIL, GROUNDWATER AND VEGETABLES IN THE VULNERABLE AGRICULTURAL ZONE OF THE NIAYES (DAKAR, SENEGAL)

Dr. Amadou Diop^{1,2}, Pr Serigne Omar Sarr¹, Dr Rokhaya Guèye¹, Dr Fabrice Cazier³, Pr David Landy², Pr Bara Ndiaye¹, Pr Yérim Mbagnick Diop¹, Pr François Delattre²

¹Cheikh Anta Diop University, Dakar, Senegal, ²UCEIV/Littoral Cote d'Opale University, Dunkirk, France, ³CCM/Littoral Cote d'Opale University, Dunkirk, France

PM-09

MONITORING OF PESTICIDE RESIDUES IN EDIBLE SNAILS

Dr José Oliva Ortiz¹, Dr Antonio Fuster², **Dr. Miguel Angel Cámara Botía¹**

¹Research Group of Pesticide Chemistry, Agrofood Pollution, Ecoefficiency and Toxicology. Faculty of Chemistry, University of Murcia, Murcia, Spain, ²Food National Technologic Center, Molina de Segura, Spain

PM-10

ANALYSIS OF THE DETECTION OF PESTICIDE RESIDUES IN FRUIT, VEGETABLES, CEREALS AND PROCESSED FOOD SAMPLED IN THE APULIA REGION IN 2018

Dr. Francesco Lo Greco¹, Dr. Carmela Amenduni¹, Dr. Antonio Armentano¹, Mr. Marco Barisonzo¹, Mr. Gianni Corte¹, Dr. Nunzia Diaferia¹, Mr. Nicola Intini¹, Dr. Egidio Leonetti¹, Dr. Mariangela Palma¹, Dr. Nicola Sabino¹, Dr. Tiziana Santoro¹, Dr. Francesca Ferrieri¹

¹A.R.P.A. Puglia, Bari, Italy

PM-11

PESTICIDES AND WATER QUALITY IN CROATIAN MAIN CAPITAL

Dr. Ivana Mandić Andačić¹, Dr. Ana Tot¹, Dr. Marinko Petrović¹, Master of chemistry Magdalena Gavran¹, Dr. Martina Ivešić¹, Master of chemistry Iva Palac Bešlić¹, univ. bacc. sanit. ing. Josipa Roginić Kelava¹, Dr. Adela Krivohlavek¹

¹Andrija Štampar Teaching Institute of Public Health, Zagreb, Croatia



PM-12

HRMS TARGETED SCREENING FOR PESTICIDE RESIDUES IN MONITORING SAMPLES

Dr. Susan Strange Herrmann¹, Dr. Elena Hakme¹, Dr. Mette Erecius Poulsen¹

¹*Technical University Of Denmark, Kgs. Lyngby, Denmark*

PM-13

PESTICIDE RESIDUES IN MILK – APPROPRIATE METHODS FOLLOWING THE EFSA GUIDANCE ON RISK ASSESSMENT OF SUBSTANCES PRESENT IN FOOD INTENDED FOR INFANTS BELOW 16 WEEKS OF AGE

Mrs. Karin Tschiggfrei¹, Dr. Christina Riemenschneider¹, Mr. Tobias Merklin¹, Mrs. Sabine Walter¹, Mrs. Heike Müller¹, Mr. Ralf Lippold¹

¹*EURL for Food of Animal Origin, State Institute for Chemical and Veterinary Analysis of Food (CVUA), Freiburg, Germany*

PM-14

IS GLYPHOSATE THE BEST OPTION? TWO FIELD STUDIES UNDER PRODUCTION CONDITIONS IN CITRUS FRUIT-GROWING

Ms. Clara Flores-Franco¹, Mr. José María Pérez-Alarcón¹, Ms. María Rosa Gutiérrez-Cabrera¹, Ms. Irene Garrido-García¹

¹*Analytica Alimentaria GmbH, Almería, Spain*

PM-15

DETERMINATION OF MAIN METABOLITES OF CHLORPYRIFOS AND CHLORPYRIFOS-METHYL IN (PROCESSED) FOOD

Dr. Jonatan Dias¹, Ruud van Dam¹, Dr. Hans Mol¹

¹*Wageningen Food Safety Research, Wageningen, Netherlands*

PM-16

PESTICIDE RESIDUES IN ESSENTIAL OILS

Dr. Adélia Cristina Araújo¹, Dr Danuza Telles¹, Dr Henrique Marinho¹, Dr Adriano Cunha¹, Dr Helio Rodrigues¹

¹*Itep - Instituto de Tecnologia de Pernambuco, Recife, Brazil*

PM-17

MONITORING OF RELEVANT PESTICIDES OF WORKING DOCUMENT ON ANIMAL ORIGIN COMMODITIES DURING BIENNIUM 2018-2019 IN ITALY

Dr. Francesco Chiumiento¹, Dr. Roberta Rosato¹, Dr. Rossana Scarpone¹

¹*Istituto Zooprofilattico Sperimentale dell'Abruzzo e del Molise "G. Caporale", Teramo, Italy*



PM-18

RESIDUE FINDINGS OF MELAMINE AND ITS STRUCTURAL ANALOGUES IN FOOD USING LC-MS/MS

Mr. Eric Eichhorn¹, Mrs. Hanna Marks¹, Mrs. Cristin Wildgrube¹, Mrs. Dorota Stanislawczyk¹, Mrs. Ellen Scherbaum¹, Dr. Michelangelo Anastassiades¹

¹CVUA Stuttgart, Fellbach, Germany

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DETERMINATION AND QUANTIFICATION OF PESTICIDES IN HERMETIA ILLUCENS INSECT BIOMASS TO PRODUCE FEED AND FOOD IN A PILOT BREEDING FARM

Dr. Valentina Ciccotelli¹, Mrs. Valentina Savio¹, Dr. Giuseppina Amato², Mrs. Tiziana Giovannini², Dr. Daniela Marchis², Dr. Barbara Vivaldi¹, Dr. Carlo Ercolini¹

¹Istituto Zooprofilattico del Piemonte, Liguria e Valle D'Aosta, NRL for pesticides in cereals and feed, sezione di Genova, Genova, Italy, ²Istituto Zooprofilattico del Piemonte, Liguria e valle D'Aosta, NRL Animal Proteins in feed, Torino, Italy

PM-20

GLYPHOSATE AND FOSETYL RESIDUES AND THEIR INFLUENCE ON FOOD PRODUCTS MARKETABILITY

Dr. Maria Rosaria Taurino¹, Mr. Francesco Gallone¹

¹Agro.biolab Laboratory S.R.L., Rutigliano (Bari), Italy

PM-21

MONITORING OF PESTICIDE RESIDUES IN PROCESSED AND UNPROCESSED CEREALS FROM DIFFERENT REGIONS OF MACARONESIA

Mrs Ruth Rodríguez Ramos¹, **Mr. Álvaro Santana Mayor¹**, Dr. Bárbara Socas Rodríguez¹, Dr. Miguel Ángel Rodríguez Delgado¹

¹Universidad de La Laguna, San Cristóbal de La Laguna, España

PM-22

INDEPENDENT ANALYSIS OF A PESTICIDE MONITORING PROGRAM IN VEGETABLE FOOD IN BRAZIL

Dr. Karen Friedrich^{1,2,3}, Mr. Vicente Almeida⁴, Dr. Aline Gurgel⁵, Dr. Ana Cristina Rosa¹, Dr. Lia Augusto^{3,5,6}

¹National School of Public Health, Oswaldo Cruz Foundation, Rio de Janeiro, Brazil, ²Federal University of Rio de Janeiro State, Rio de Janeiro, Brazil, ³Thematic Group Health and Environment, Brazilian Association of Collective Health, Rio de Janeiro, Brazil, ⁴Embrapa Genetic Resources & Biotechnology, Brasilia, Brazil, ⁵Aggeu Magalhães Institute, Recife, Brazil, ⁶Pernambuco University, Recife, Brazil



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STATE OF PESTICIDE RESIDUE MONITORING ON CROPS IN BARBADOS, WEST INDIES

Ms. Anne Desrochers¹

¹*University Of The West Indies, Cave Hill, Barbados*

PM-24

PESTICIDES IN ESSENTIAL OILS: WHAT'S IN THERE?

Mr. Yoann Fillatre¹, Mr. Guillaume Morin¹, Mr. Daguin Antoine¹

¹*Girpa Laboratory, Beaucouzé, France*

PM-25

IDENTIFICATION OF NICOTINE SOURCES IN INDIAN TEA

Dr. Anna Romanotto¹, Dr. Kathrin Gassert², Mrs. Angelika Hofmann^{1,4}, Mrs. Jeanette Langner¹, Prof. Dr. Karl Speer⁴

¹*PiCA Prüfinstitut Chemische Analytik GmbH, Berlin, Germany*, ²*Teekampagne, Potsdam, Germany*,
³*15 Tea gardens owners, Darjeeling, India*, ⁴*Technical University Dresden, Dresden, Germany*

PM-26

SOURCES FOR ANTHRAQUINONE FINDINGS IN INDIAN TEA

Dr. Anna Romanotto¹, Dr. Kathrin Gassert², Mr. Martin Sander¹

¹*PiCA Prüfinstitut Chemische Analytik GmbH, Berlin, Germany*, ²*Teekampagne, Potsdam, Germany*,
³*15 Tea gardens owners, India*

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PESTICIDE RESIDUE SURVEY PROGRAM IN SOUTH KOREA FOR THE LAST 5 YEARS

Dr. Guktak Han¹, Dr. Jeehwa Hong², Ms. Kyeongsook Hong², Ms. Jaehyun Choi¹

¹*National Agricultural Products Quality Management Service, Gmicheon-si, South Korea*, ²*Experiment Research Institute, National Agricultural Products Quality Management Service, Gmicheon-si, South Korea*



PM-28

ETHOXYQUIN – AN UPDATE ON RESIDUE FINDING IN DIFFERENT FISH SPECIES

Mr. Benjamin Dambacher, Mrs. Maria Schmitt, Mrs. Katrin Thoma, Mr. Klaus Obrecht, Dr. Björn Hardebusch

¹State Institute for Chemical and Veterinary Analysis of Food (CVUA), Freiburg, Germany, ²European Union Reference Laboratory for Pesticides in Food of Animal Origin and Commodities with High Fat Content, Freiburg, Germany

PM-29

CHLORATE IN FOOD OF ANIMAL ORIGIN - OVERVIEW OF FINDINGS IN FISH

Mr. Benjamin Dambacher, Mrs. Katrin Thoma, Mr. Klaus Obrecht, Dr. Christina Riemenschneider, Dr. Björn Hardebusch

¹State Institute for Chemical and Veterinary Analysis of Food (CVUA), Freiburg, Germany, ²European Union Reference Laboratory for Pesticides in Food of Animal Origin and Commodities with High Fat Content, Freiburg, Germany

PM-30

OFFICIAL TESTING OF PESTICIDE RESIDUES IN POLISH CROPS IN 2019

Dr. Anna Nowacka¹, Dr. Agnieszka Holodynska-Kulas¹, Dr. Dariusz Drozdzyński¹, Dr. Rafał Motyla¹, Mr. Bartosz Ciorga¹, Mr. Adam Perczak¹

¹Institute of Plant Protection – National Research Institute, Poznan, Poland

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RESIDUE FINDINGS IN PAPRIKA – A SPICE WITH SOME SPICY EXTRAS

Mrs. Hanna Marks¹, Mrs. Ellen Scherbaum¹, Dr. Michelangelo Anastassiades¹

¹CVUA Stuttgart, Fellbach, Germany

PM-32

CONTAMINATION PATTERN OF LOCALLY GROWN AND IMPORTED APPLES ON THE CZECH MARKET

Mrs. Petra Vackova¹, Mr. Petr Mraz¹, Mr. Leos Uttl¹, prof. Vladimír Kocourek¹, prof. Jana Hajslova¹

¹University of Chemistry and Technology, Prague, Czech Republic

PM-33

ASSESSMENT OF PESTICIDE LEVELS AGAINST MRL IN 'LOW RESIDUE' VEGETABLE COLLECTED IN RETAIL MARKETS

Mr. Frantisek Kratky¹, Mr. Petr Mraz¹, Mrs. Petra Vackova¹, Mr. Leos Uttl¹, prof. Vladimír Kocourek¹, prof. Jana Hajslova¹

¹University of Chemistry and Technology, Prague, Czech Republic



PM-34

MULTIRESIDUE METHOD FOR THE DETERMINATION OF PESTICIDES IN POLISH CROPS IN OFFICIAL TESTING OF PESTICIDE RESIDUES IN 2019

Dr. Klaudia Pszczolinska¹, Barbara Kociołek¹, Justyna Czieszowic¹, Izabela Domańska¹, Agnieszka Krzyżanowska¹, Joanna Olszówka-Kowalska

¹*Institute of Plant Protection-National Research Institute Sosnowice Branch, Rybnik, Polska*

PM-35

PESTICIDE RESIDUE MONITORING IN FRUITS AND VEGETABLES CONSUMED IN THE MACARONESIA (PERVEMAC-II): CANARY ISLANDS, JULY 2017 – JUNE 2019

Dr. María del Mar Bernal Suárez¹, Mrs. Dácil Medina Godoy¹, Dr. José Asterio Guerra García², **Dr. Ricardo Diaz-Diaz¹**

¹*Instituto Tecnológico de Canarias (ITC), Agüimes, Spain*, ²*Gestión del Medio Rural de Canarias, Santa Cruz de Tenerife, Spain*

PM-36

PESTICIDE RESIDUES IN FRUITS AND VEGETABLES FROM THE MACARONESIA (PERVEMAC II): CAPE VERDE, 2018-2019

Dr. María del Mar Bernal Suárez¹, Mrs. Dácil Medina Godoy¹, Mrs. Verena Furtado², Mrs. Dalila Silva², Mr. Helder Lopes², Mr. Joao Gonçalves², **Dr. Ricardo Diaz-Diaz¹**

¹*Instituto Tecnológico de Canarias (ITC), Agüimes, Spain*, ²*Entidade Reguladora Independente da Saúde (ERIS), Praia, Cape Verde*

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PESTICIDE RESIDUES IN SPICES – MONITORING RESULTS FOR THE YEARS 2017 - 2019

Ms. Ingrid Brand¹, Dr. Gabriele Witt¹

¹*Landeslabor Berlin-Brandenburg, Berlin, Germany*

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PESTICIDES RESIDUE ANALYSIS IN COSTA RICA (2017-2019)

Karla Arrieta Viquez¹

¹*Agrochemical Residues Analysis Laboratory, State Phytosanitary Service, MAG, Costa Rica*



PT - TOXICOLOGY AND RISK ASSESSMENT

PT-01

A SNAPSHOT OF DIETARY INTAKE ASSESSMENT OF TOTAL NEONICOTINOIDS IN YOUNG CHILDREN LIVING IN A METROPOLITAN AREA IN CHINA

Dr. Chensheng Lu¹, Dr. Quan Zhang²

¹Southwest University, Chongqing, China, ²Zhejiang University of Technology, Hangzhou, China

PT-02

BIOAVAILABILITY OF PESTICIDES IN VEGETABLES, FOOD OR WINE RESEARCH: A DESCRIPTIVE BIBLIOMETRIC STUDY FROM 1976 TO 2018

Dr. Pedro Andreo-Martínez^{1,2}, Dr. Nuria García-Martínez^{1,2}, Mr. Pablo Pagán¹, Dr. Miguel Ángel Cámara¹, **Dr. José Oliva**¹

¹Department of Agricultural Chemistry, University of Murcia, Campus Espinardo, Murcia, Spain,

²Department of Chemical Engineering, University of Murcia, Campus Espinardo, Murcia, Spain

PT-03

PESTICIDE RESIDUES IN SERBIAN RED WINE AND DIETARY RISK ASSESSMENT FOR ADULTS

Dr. Bojana Špirović Trifunović¹, Dr. Gorica Vuković², Dr. Ljilja Torović³, Dr. Sanja Lazić⁴, Dr. Dragoslav Ivanišević⁴, Dr. Vojislava Bursić⁴, Dr. Dragica Brkić¹

¹University of Belgrade, Faculty of Agriculture, Belgrade - Zemun, Serbia, ²Institute of Public Health, Belgrade, Serbia, ³University of Novi Sad, Faculty of Medicine, Novi Sad, Serbia, ⁴University of Novi Sad, Faculty of Agriculture, Novi Sad, Serbia

PT-04

PROCESSING FACTORS OF PESTICIDE RESIDUES IN BISCUITS AND THEIR RELATION TO THE PHYSICOCHEMICAL PROPERTIES OF PESTICIDES

Dr. Elena Hakme¹, Dr Susan Strange Herrmann¹, Senior Advisor Mette Erecius Poulsen¹

¹DTU-Food, Lyngby, Danmark



PT-05

HBM4EU: ADVANCING HUMAN BIOMONITORING OF PESTICIDES IN THE EU

Dr. Hans Mol¹, Mrs. Helle Andersen², Mrs. Marta Esteban³, Mrs. Susana Pedraza Diaz³, Dr. Thomas Göen⁴, Dr. Jean-Philippe Antignac⁵, Mrs Mirjam Luijten⁶, Dr. Jelle Vlaanderen⁷, Mrs. Ilse Ottenbos^{6,7}, Mrs. Greet Schoeters⁸

¹Wageningen Food Safety Research, Wageningen, Netherlands, ²University of Southern Denmark, Odense, Denmark ³CNSA, Instituto de Salud Carlos III (ISCIII), Majadahonda, Madrid, Spain ⁴IPASUM/Friedrich-Alexander University, Erlangen-Nuremberg, Germany ⁵LABERCA, Oniris, INRAE, Nantes, France ⁶National Institute for Public Health and the Environment (RIVM), Bilthoven, Netherlands ⁷IRAS/University of Utrecht, Utrecht, Netherlands ⁸VITO Health, Mol, Belgium

PT-06

CHARACTERIZATION OF MICROPLASTICS PRESENT IN PERSONAL CARE PRODUCTS AND THE STUDY OF ITS TOXICITY MIXED WITH CHLORPYRIFOS AND TRICLOSAN ON MUSCLE ACETHYLCHOLINESTERASE JUVENILES OF SOLEA SENEGALENSIS

Dr. María Gemma Albendín¹, Miss Isabel Alarcón¹, Miss Inmaculada Cabrera-Pozo¹, Dr. Rocio Rodríguez-Barroso², Dr Dolores Coello², Dr José M^a Quiroga², Dr Juana M^a Arellano¹

¹Toxicology Laboratory, Faculty of Marine and Environmental Sciences, University of Cádiz, Puerto Real (Cádiz), Spain, ²Department of Environmental Technology, Faculty of Marine and Environmental Sciences, University of Cádiz, Puerto Real (Cádiz), Spain

PT-07

EVALUATION OF CHLORPYRIFOS AND LAMBDA-CYHALOTHRIN RESIDUES IN SOME COMMODITIES FROM ALGERIA

Dr. Samira Mebdoua¹, Pr. Ghania Ounane²

¹University Of Bouira- Algeria, Bouira, Algeria, ²Laboratoire d'amélioration intégrative des productions végétales, Ecole nationale supérieure agronomique, Algiers, Algeria

PT-08

PESTICIDE RESIDUES IN BRAZILIAN FOOD - MONITORING AND DIETARY RISK ASSESSMENT

Mrs. Adriana Pottier¹, Mrs. Simone Rodero¹

¹Brazilian Health Regulatory Agency – Anvisa, Brasilia, Brazil



**13th EUROPEAN
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11-15 May 2020 • Granada, Spain

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PT-09

PESTICIDE RESIDUES AND HEALTH RISK ASSESSMENT IN TABLE GRAPES FROM VALPARAÍSO, CHILE

Dr. Sebastian Elgueta^{1,2}, Dr. Marcela Valenzuela¹, Ms Marcela Fuentes¹, Ms Ximena Galvez¹, Ms Victoria Muen³, Dr Jaime Salvo³

¹Laboratory of Pesticide Residues and Environment, INIA, La Platina, Santiago, Chile ²Nucleo de Investigaciones Aplicadas en Ciencias Veterinarias y Agronómicas, Universidad de las Américas, Sede Manuel Montt, Santiago, Chile ³Instituto de Investigaciones Agropecuarias INIA, La Cruz, Chile

PT-10

A FIRST APPROXIMATION TO THE ADJUSTMENT OF PESTICIDE USE AND THEORETICAL MRL'S AND ADI ACCOMPLISHMENT IN FRUITS AND VEGETABLES IN URUGUAY

Ms. Natalia Gérez García¹, Dr María Verónica Cesio¹, Dr Horacio Heinzen¹

¹GACT- Facultad De Química (Udelar), Montevideo, Uruguay



PO - OTHER TOPICS

PO-01

DEVELOPING A BIODEGRADABLE FILM INCORPORATED WITH SILVER NANOPARTICLES FOR MONITORING FENOBU CARB RESIDUES IN FRUITS

Dr. Kobun Rovina¹, Ms Su Xin Yi¹

¹Universiti Malaysia Sabah, Kota Kinabalu, Malaysia

PO-02

COMPARISON OF IMIDACLOPRID AS AN ACTIVE INGREDIENT AND IN ITS COMMERCIAL FORMULATION, CONFIDORT VERT, ON CYTOKINE RELEASE IN HUMAN THP-1 MONOCYTES AND MACROPHAGES

Dr. Louise Walderdorff¹, Dr. Philippe Laval-Gilly¹, Mrs. Laura Wechtler¹, Mr. Antoine Bonnefoy², Prof. Jairo Falla-Angel¹

¹Université de Lorraine, INRAE, LSE, Nancy, France ²Université de Lorraine, IUT de Thionville-Yutz, Yutz, France

PO-03

DEVELOPMENT OF REFERENCE MATERIALS FOR THE ANALYSIS OF PESTICIDES IN FOOD: GLYPHOSATE IN OATS AND MULTIRESIDUE PESTICIDES IN A VEGETABLE AND FRUIT MIXTURE

Dr. Justine Cruz¹, Dr. Jacolin A. Murray¹, Dr. Katrice A. Lippa¹

¹National Institute of Standards and Technology (NIST), Gaithersburg, United States

PO-04

ANALYSIS OF PFAS RESIDUE IN FOOD BY HIGH RESOLUTION LC/MS

Mr. Eddie Wang¹, Mr. Bruce Chen¹, Dr. Feng Shi¹

¹Symbio Laboratories, Brisbane, Australia

PO-05

HONEYBEES BASED MONITORING OF PESTICIDES RESIDUES IN CULTIVATED AREAS

Prof. Stefano Girotti¹, Dr. Luca Bolelli¹, Dr. Elida Nora Ferri¹, Dr. Stefano Sangiorgi¹, Dr. Roberto Colombo², Dr. Giorgia Serra², Dr. Gianluca Falcomer³, Dr. Luca pellegrini³, Dr. Luca Ferrari⁴, Dr. Marco Nenzioni⁴, Dr. Severino Ghini¹

¹Department Pharmacy and Biotechnologies, University of Bologna, Bologna, Italy, ²Agricultural Research & Economy Council, Bologna Research Centre, Bologna, Italy, ³Cinto Caomaggiore Commune, Cinto Caomaggiore, Venice, Italy, ⁴Department Educational Sciences, University of Bologna, Bologna, Italy



PO-06

SANDWICH INJECTION AND ANALYTE PROTECTANTS AS A WAY TO DECREASE THE DRIFT BETWEEN BRACKETING CALIBRATION IN GC-MS/MS: A CASE STUDY

Mr. Mostafa Soliman¹

¹*Central Laboratory of Residue Analysis of Pesticides and Heavy Metals in Foods (QCAP Egypt), Cairo, Egypt*

PO-07

FUNGICIDE RESIDUES ON WHEAT AND BARLEY GRAINS IN URUGUAY AND THEIR RELATION WITH FOOD SAFETY PARAMETERS

Mrs Cintia Palladino¹, Mrs Agustina Muela², Mrs Belén Taborda², Mrs Florencia Puigvert², Mrs Noel Alonzo², Dr Carlos Pérez³, Dr Silvia Pereyra⁴, **Dr. Lucia Pareja**²

¹*PDU, Abordaje holístico a una temática tan innovadora como preocupante: impacto de los agroquímicos sobre los productos agroalimentarios y el ambiente, CENUR Litoral Norte, Universidad de la República, Paysandú, Uruguay* ²*Departamento de Química del Litoral, CENUR Litoral Norte, Universidad de la República, Paysandú, Uruguay* ³*Departamento de Protección Vegetal, EEMAC, Facultad de Agronomía, Universidad de la República, Paysandú, Uruguay* ⁴*Fitopatología, Programa de Cultivos, INIA, La Estanzuela, Uruguay*

PO-08

PROCESS APPROACH: BUILDING A JOINT SYSTEM WITHIN SCL

Ms. Lucie Humbert¹

¹*Scl, Montpellier, France*

PO-09

RESIDUAL ANALYSIS OF ORGANOPHOSPHATE PESTICIDES IN ENVIRONMENTAL SAMPLES VIA ANALYTICAL METHODS: AN OVERVIEW

Mr. Mohd Ashraf Dar¹, Dr. Garima Kaushik¹

¹*Central University of Rajasthan, Kishangarh, India*

PO-10

PREPARATION OF MULTICOMPONENT WORKING PESTICIDES SOLUTIONS FOR MULTIRESIDUAL ANALYSIS

Dr. Gian Piero Luciani¹, Dr. Cristina Francioni¹, Dr. Barbara Belosi¹

¹*Tentamus Agriparadigma, Ravenna, Italy*



PO-11

PERFORMANCE EVALUATION OF LABORATORIES PARTICIPATING IN THE EU PROFICIENCY TESTS FOR PESTICIDE RESIDUES IN FRUIT AND VEGETABLES (EUPFV) FROM 2013 TO 2017 BY USING THE “LABORATORY TRIPLE-A RATING” APPROACH

Prof. Antonio Valverde¹, Prof. Amadeo R. Fernández-Alba^{1,2}, Dr. Carmen Ferrer^{1,2}, Prof. Ana Aguilera¹

¹*Pesticide Residue Research Group, University of Almería, Almería, Spain,* ²*EURL-FV, University of Almería, Almería, Spain*

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THE IMPORTANCE OF A PILOT STUDY IN THE PLANNING OF PESTICIDE RESIDUE PROFICIENCY TESTING ROUNDS

Dr. Maria Wohlers Morelli Cardoso¹, Dr Lucia Helena Pinto Bastos¹, Mrs Angélica Castanheira de Oliveira¹, Dr. Marcus Henrique Campino de la Cruz¹, Dr. Armi Wanderley da Nóbrega¹

¹*INCQS/Fiocruz - Departamento de Química - Laboratório de Resíduos de Agrotóxicos, Rio de Janeiro, Brazil*

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SIMULTANEOUS DETERMINATION OF POLAR PESTICIDES IN HUMAN BLOOD SERUM BY LC-MS/MS

Mrs. Rosalia López-Ruiz¹, Dr. Roberto Romero-González¹, Dra. Antonia Garrido Frenich¹

¹*Research Group “Analytical Chemistry of Contaminants”, Department of Chemistry and Physics, Research Centre for Mediterranean Intensive Agrosystems and Agri-Food Biotechnology (CIAIMBITAL), University of Almería, Agrifood Campus of International Excellence, Almería, Spain*

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PROCESSING FACTORS OF IPROVALICARB RESIDUES DURING WINEMAKING PROCESS

Dr. José Oliva¹, Ms. Marta García-Valera¹, Dr. Miguel Ángel Cámara¹

¹*Department of Agricultural Chemistry, University of Murcia, Campus Espinardo, Murcia, Spain*

PO-15

STUDIO OF FLUOPYRAM METABOLISM IN CHERRY TOMATO GROWN WITH ARTIFICIAL SUBSTRATE IN GREENHOUSE

Ms. Marta Vargas-Pérez¹, Dr. Francisco Javier Egea-Gonzalez¹, Dr. Antonia Garrido-Frenich¹

¹*University of Almería, Almería, Spain*



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ESTIMATION OF PESTICIDE RESIDUES PATTERN IN LEAFY VEGETABLES USING HALF-LIFE

Mrs. Jiwon Lee¹, Mrs. Eun-young Lee¹, Dr. Hee Dong Lee¹, Mrs. Sung eun Park¹, Dr. kyeong-Ae Son¹
¹National Institute of Agricultural Sciences, Wanju, South Korea

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DETERMINATION OF PROCESSING FACTORS IN PROCESSED FOOD OF ANIMAL ORIGIN BY LC- AND GC-MS/MS

Mrs. Julia Polley¹, Mrs. Maica Greiner^{1,2}, Mr. Benjamin Dambacher¹, Mr. Klaus Obrecht¹, Mr. Tobias Merklin¹, Mr. Ralf Lippold¹

¹European Union Reference Laboratory for Pesticides in Food of Animal Origin and Commodities with High Fat Content (EURL-AO), State Institute for Chemical and Veterinary Analysis of Food (CVUA), Freiburg, Germany ²Karlsruhe Institute of Technology (KIT), Karlsruhe, Germany

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VALIDATION OF MULTIRESIDUE METHOD FOR DETERMINATION OF MULTICLASS PESTICIDES IN GROUND, SURFACE AND DRINKING WATER

Mrs. Ana Tot¹, Magdalena Gavran¹, Ivana Mandić Andačić¹, Iva Palac Bešlić¹, Martina Ivešić¹, Adela Krivohlavek¹

¹Teaching Institute of Public Health Dr.a.stampar, Zagreb, Croatia

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SURVEY OF PESTICIDE RESIDUES, METALS AND THC ON HEMP INFLORESCENCES CULTIVATED IN ITALY

Dr. Graziella Amendola¹, Dr. Beatrice Bocca¹, Dr. Valentina Picardo¹, Dr. Valeria Tudino², Dr. Beatrice Battistini¹, Dr. Danilo Attard Barbini¹, Dr. Patrizia Pelosi¹, Dr. Roberta Costi²

¹National Institute of Health, Rome, Italy ²Dipartimento di Chimica e Tecnologie del Farmaco, "Sapienza" Università di Roma, Rome, Italy

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SEQUESTRATION AND DEGRADATION OF CHLORDECONE IN DRINKING WATER BY ACTIVATED CARBONS FROM LIGNOCELLULOSIC PRECURSOR AND β -CYCLODEXTRIN

Dr. Ronald Ranguin¹, Dr. Vijay Rana², Dr. Reinhard Kissner², Dr. Axelle Durimel¹, Mrs. Reeka Karioua¹, Pr. Joelle Levalois-Grützmacher^{1,2}, Pr. Ulises Jáuregui-Haza^{1,3,4}

¹Laboratoire COVACHIM M2E, Université des Antilles, Pointe-à-pitre, Guadeloupe ²Department of Chemistry and Applied Biosciences, Laboratory of Inorganic Chemistry, ETH Zürich, Zürich, Switzerland ³Instituto Superior de Tecnologías y Ciencias Aplicadas (InSTEC), Universidad de La Habana, La Habana, Cuba ⁴Instituto Tecnológico de Santo Domingo (INTEC), República Dominicana



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BEESWAX DECONTAMINATION BY LIQUID PHASE METHANOL EXTRACTION AND WITH SUPERCRITICAL CO₂

Mr. Víctor Cutillas¹, Mr. Antonio R. Fernández-Alba², Dr. María José Gomez-Ramos¹, Mr. Raúl Alonso del Águila², Mrs. Piedad Parrilla¹, Mrs. María Dolores Gil¹, Mrs. María Dolores Hernando³, Prof. Amadeo R. Fernández-Alba¹

¹*Agrifood Campus of International Excellence (CeIA3), Department of Chemistry and Physics, University of Almería, Almería, Spain* ²*Department of Chemical Engineering, University of Alcalá, Alcalá de Henares, Madrid, Spain* ³*National Institute for Agricultural and Food Research and Technology - INIA, Madrid, Spain*

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THE FATE OF PESTICIDES IN BEER BREWING

Ms. Ida Kallehauge Nielsen¹, **Mette Erecius Poulsen¹**, Lene Duedahl-Olesen¹, Benjamin L. Schulz², Timothy John Hobley¹

¹*National Food Institute, Technical University of Denmark, Kgs. Lyngby, Denmark* ²*School of Chemistry and Molecular Biosciences, University of Queensland, Brisbane, Australia*

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PESTICIDES ACTIVE SUBSTANCES LICENSED IN BRAZIL AND ITS APPROVAL IN EUROPEAN COMMUNITY AND OTHER OECD MEMBER COUNTRIES

Dr. Karen Friedrich^{1,2,3}, Mr. Vicente Almeida⁴, Mr. Gabriel Silveira⁵, Mrs. Juliana Amazonas⁵, Dr. Aline Gurgel⁶, Dr. Marcia Sarpa^{2,3,7}

¹*Oswaldo Cruz Foundation, Brasília, Brazil*, ²*Federal University of Rio de Janeiro State, Rio de Janeiro, Brazil* ³*Thematic Group Health and Environment, Brazilian Association of Public Health, Rio de Janeiro, Brazil* ⁴*Embrapa Genetic Resources & Biotechnology, Brasília, Brazil* ⁵*Post Graduation of Public Health and Environment, Rio de Janeiro, Brazil* ⁶*Aggeu Magalhães Institute, Recife, Brazil* ⁷*National Cancer Institute, Rio de Janeiro, Brazil*

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PESTICIDE RESIDUES IN AGRICULTURAL SOIL IN SERBIA

Prof. Sanja Lazic¹, Prof. Mira Pucarevic², **Mrs. Dragana Sunjka¹**, Dr. Natasa Stojic², Mrs. Slavica Vukovic¹

¹*University of Novi Sad, Faculty of Agriculture, Novi Sad, Serbia*, ²*University Educons, Faculty for Environmental Protection, Sremska Kamenica, Serbia*



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MATRIX EFFECT IN QUANTITATIVE ANALYSIS OF PESTICIDE RESIDUES IN FOOD BY GC-MS/MS

Dr. Mateja Bulaić¹, Mrs. Edita Čupurdija¹, Mrs. Jasna Jakovljević¹, Mr. Tomislav Rot¹, Dr. Marija Kovač¹

¹*Inspecto d.o.o., Osijek, Croatia*

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ENDOGENOUS FORMATION OF TRIMETHYLSULFONIUM CATION IN TEA DURING THE PROCESSING

Dr. Anna Romanotto¹

¹*PiCA Prüfinstitut Chemische Analytik GmbH, Berlin, Germany*

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POSSIBLE FORMATION OF PHTHALIMIDE IN THE ENVIRONMENT

Dr. Anna Romanotto¹, Dr. Kathrin Gassert², Mrs. Jeanette Langner¹

¹*PiCA Prüfinstitut Chemische Analytik GmbH, Berlin, Germany*, ²*Teekampagne, Potsdam, Germany*

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DETERMINATION OF PESTICIDES RESIDUES IN RECREATIONAL CANNABIS

Dr. Justine Pincemaille¹, Dr. Carole Dauberschmidt¹, Dr. Claude Schummer¹, Dr. Gilbert Moris¹

¹*Luxembourg National Health Laboratory, Dudelange, Luxembourg*

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ASSESSMENT OF BIOLOGICAL, SEMISYNTHETIC AND SYNTHETIC INSECTICIDES IN THE CONTROL GRAPHOLITA MOLESTA BUSCK IN PEACH ORCHARDS

Mrs. Slavica Vukovic¹, Prof Sanja Lazic¹, Mrs Dragana Sunjka¹, Mr Antonije Zunic¹

¹*University of Novi Sad, Faculty of Agriculture, Novi Sad, Serbia*

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PESTICIDES AND OLIVE LEAVES IN OREGANO – AN AROMATIC BUT LOADED CULINARY HERB

Dr. Florian Hägele¹, Mrs. Sonja Lachnit¹, Mrs. Ellen Scherbaum¹

¹*Chemisches und Veterinäruntersuchungsamt (CVUA) Stuttgart, Fellbach, Germany*



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DEVELOPMENTS OF EUPT AO OVER THE PERIOD OF 2006 - 2019

Dr. Bjoern Hardebusch¹, Mr. Ralf Lippold¹

¹European Union Reference Laboratory for Pesticide Residues in Food of Animal Origin and Commodities with High Fat Content (EURL AO), Freiburg, Germany

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ANALYSIS OF “DIFFICULT COMPOUNDS” IN FRUITS AND VEGETABLES USING MULTIRESIDUE METHODS

Mr. Francisco José Díaz-Galiano¹, Mr. Víctor Cutillas¹, Mrs. María Murcia-Morales¹, Dr. Łukasz Rajski¹, Dr. Ana Lozano¹, Dr. Carmen Ferrer¹, Dr. Amadeo R. Fernández-Alba¹

¹Agrifood Campus of International Excellence ceiA3 (ceiA3), Department of Chemistry and Physics, University of Almería, Spain; European Union Reference Laboratory For Pesticide Residues In Fruits And Vegetables (EURL-FV), La Cañada de San Urbano, Spain

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PROCESSING FACTORS OF IMAZALIL, THIABENDAZOLE, PYRIMETHANIL AND PROPICONAZOLE FROM ROUTINE ANALYSES

Dr. Rosario Santiago Valverde¹, Dr. Juan Carlos López Martínez¹, Mr. Jose Manuel González Martínez¹, Dr. M. Elena Heranández Torres¹, Mr. Juan Ramirez Cassinello¹

¹Bio-clinical Analytical Laboratory (LAB), PITA, Almería Science and Technology Park, España

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CHLORATE DEGRADATION STUDY IN FOOD OF ANIMAL ORIGIN

Ms. Melanie Böhme¹, Mr. Sebastian Felizeter¹, Dr. Vera Schneider¹, Dr. Thomas Anspach¹

¹Eurofins Dr. Specht International, Hamburg, Germany

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VALIDATION OF A MULTI-RESIDUE LC-MS/MS METHOD FOR THE DETERMINATION OF PESTICIDE RESIDUES IN WATER

Dr. Anna Nowacka¹, Dr. Agnieszka Holodynska-Kulas¹, **Dr. Dariusz Drozdzynski**¹, Mr. Adam Perczak¹, Dr. Rafal Motala¹, Mr. Bartosz Ciorga¹

¹Institute of Plant Protection – National Research Institute, Poznan, Poland

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EVALUATION OF 14C-AMETRINE SORPTION CAPACITY ON WOOD-BASED BIOCHAR WITH POTENTIAL AS A LOW-COST ADSORBENT

Mrs. Wendy Bautista Manrique¹, Mrs. Yazmin Agámez Pertuz¹, Mr. Jairo Guerrero Dallos¹, Mr. Eduard Romero Malagón¹, Mrs. María Martínez Cordón¹

¹*Universidad Nacional de Colombia, Bogota, Colombia*

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DISSIPATION STUDY OF SELECTED HERBICIDES APPLIED IN CHEMICAL PROTECTION OF HIGH-PROTEIN MINOR CROPS

Dr. Dariusz Drozdzyński¹, Dr. Roman Krawczyk¹, Dr. Anna Nowacka¹, Dr. Piotr Kaczynski¹, Dr. Roman Kierzek¹

¹*Institute of Plant Protection – National Research Institute, Poznan, Poland*

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PESTICIDE METABOLITES AND PARENTS IN HUMAN URINE: PRELIMINARY RESULTS FOR AN ANALYTICAL MULTI-RESIDUE AND MULTI-METABOLITE METHOD

Mrs Patrizia Stefanelli¹, Mr Danilo Attard Barbini¹, Mrs Silvana Girolimetti¹, Mrs Patrizia Pelosi¹

¹*Istituto Superiore di Sanità - National Institute of Health, Roma, Italy*

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NICOTINE IN FOOD – WHAT DOES SMOKING HAVE TO DO WITH IT?

Mrs. Hanna Marks¹, Mrs. Anja Barth¹, Mrs. Silvia Zechmann¹, Mrs. Ellen Scherbaum¹, Dr. Michelangelo Anastassiades¹

¹*CVUA Stuttgart, Fellbach, Germany*

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THE EFFECT OF MINIMAL PROCESSING IN THE PESTICIDE RESIDUE CONTENT OF STRAWBERRIES

Señora. Fiamma Pequeño¹, Dra. Natalia Besil¹, Señora Mariana Sirio², Dra. Sofia Barrios², Dr. Horacio Heinzen^{1,3}, Dra. Maria Verónica Cesio⁴

¹*Grupo de Análisis de Compuestos Traza (GACT), Departamento de Química del Litoral, CenUR Litoral Norte, Facultad de Química, Universidad de la República, Paysandú, Uruguay,* ²*Tecnologías Aplicadas a Procesos Alimentarios, Instituto de Ingeniería Química, Facultad de Ingeniería, Universidad de la República, Montevideo, Uruguay,* ³*GACT. Cátedra de Farmacognosia y Productos Naturales, Departamento de Química Orgánica, Facultad de Química, Universidad de la República, Montevideo, Uruguay,* ⁴*PDU Abordaje Holístico al estudio del impacto de pesticidas-CenUR Litoral Norte Sede Paysandú, Universidad de la República, Paysandú, Uruguay*



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ARE ALL SAMPLING CONTAINERS ALWAYS SUITABLE FOR STORING PRODUCTS BEFORE THE ANALYSIS OF PESTICIDES RESIDUES?

Dr. Loris Tonidandel¹, Dr Alice Barbero¹, Mrs. Michela Pilati¹, Dr Mario Malacarne¹, Dr Roberto Larcher¹

¹Edmund Mach Foundation, San Michele all'Adige, Italia

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DEVELOPMENT AND VALIDATION OF A FAST AND ENVIRONMENTAL-FRIENDLY METHOD FOR THE DETERMINATION OF MULTICLASS ORGANIC POLLUTANTS IN RIVER WATER AND SEDIMENTS

Dr. Sara Cunha¹

¹Requimte-laqv, Porto, Portugal

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TRANSFERRING OF PESTICIDE RESIDUES FROM SEEDS TO OIL

Mr. Petr Mraz¹, Mr. Frantisek Kratky¹, Mr. Leos Uttl¹, Prof. Vladimir Kocourek¹, Prof. Jana Hajslova¹

¹University of Chemistry And Technology, Prague, Czech Republic

PO-45

A QUECHERS BASED METHOD FOR PESTICIDE RESIDUE ANALYSIS IN CANNABIS FLOWERS

Mrs. Kristiana Gutjahr¹, Dr. Sabine Rzepka¹, Mr. Maurice Sommer¹, Mr. Sebastian Felizeter¹, Dr. Vera Schneider¹, Dr. Thomas Anspach¹

¹Eurofins Dr. Specht International GmbH, Hamburg, Germany

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APPLICABILITY OF PESTICIDE METABOLITES SCREENING FOR WINE AUTHENTICATION

Mr. Leos Uttl¹, Mr. Vaclav Kadlec¹, Mrs. Dana Schusterova¹, Mr. Frantisek Kratky¹, Mr. Petr Mraz¹, Prof. Vladimir Kocourek¹, Prof. Jana Hajslova¹

¹University of Chemistry and Technology, Prague, Czech Republic

PO-47

DO YOU KNOW YOUR ISOMERS? - INITIAL TESTS TO IMPROVE THE QUANTITATION OF ISOMERIC MIXTURES

Dr. Franziska Gassmann¹, Mr. Lukas Häfner¹, Mrs. Martina Groppe¹

¹Bavarian Health and Food Safety Authority, Erlangen, Germany



PO-48

**CONTAMINATION OF THE NEARBY ENVIRONMENT WITH CHLORPROPHAM (CIPC)
CAUSED BY EMISSIONS FROM TREATMENT OF POTATOES IN A LONG-TERM
STORAGE FACILITY**

Alain Delvaux¹, Louis Hautier¹, Olivier Delouvroy³, Ingrid Ruthy², Stéphanie Bemelmans², Olivier Pigeon¹

¹Centre Wallon de Recherches Agronomiques, CRAW, Gembloux, Belgique ²Institut Scientifique de Service Public, ISSeP, Liège, Belgique ³Agence wallonne de l'Air et du Climat, AwAC, Jambes, Belgique

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**CASE STUDY: OCCURRENCE OF FIPRONIL RESIDUES AND ITS METABOLITES IN
ANIMAL FEED AND THEIR TRANSFERENCE TO RAW COW-MILK**

Dr. Natalia Besil¹, Mrs Fiamma Pequeño¹, Mrs Natalia Gerez Garcia¹, Mrs Pierina Angulo¹, Prof. Lucia Pareja¹, Prof. Horacio Heinzen¹, Prof. Maria Veronica Cesio¹

¹Grupo de Análisis de Compuestos Traza (GACT), Departamento de Química del Litoral, CenUR Litoral Norte, Facultad de Química, Udelar, Paysandu, Uruguay

PO-50

**LONG-TERM STABILITY OF PESTICIDES IN A PESTICIDE MIX CONTAINING 400+
ANALYTES**

Mrs. Isabel van Bracht¹, Mrs. Lisa-Marie Blasse¹, Mrs. Miriam Flett¹, Mr. Steffen Rothmeier¹, Dr. Erik Becker¹, Dr. Andreas Hentschel¹, Dr. Eberhard Kirchhoff¹, Dr Lutz Alder²

¹Institut Kirchhoff Berlin GmbH - Merieux NutriSciences, Berlin, Germany ²Training & Beratung, Zeuthen, Germany

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**SHORT-TERM STABILITY OF PESTICIDES IN SAMPLE EXTRACTS DURING STORAGE
IN A AUTOSAMPLER**

Mrs Isabel van Bracht¹, Mr. Frank Fischer¹, Mr. Marcel Laughton¹, Mr. Steffen Rothmeier¹, Dr. Erik Becker¹, Dr. Andreas Hentschel¹, Dr. Eberhard Kirchhoff¹, Dr. Lutz Alder²

¹Institut Kirchhoff Berlin GmbH - Merieux NutriSciences, Berlin, Germany ²Training & Beratung, Zeuthen, Germany



PO-52

PROPOSAL FOR A NEW MRL EXTRAPOLATION FROM MAJOR TO MINOR CROP: CITRUS FRUIT TO AVOCADO. DEVELOPMENT OF A METHOD FOR THE DETERMINATION OF PESTICIDES IN AVOCADO BY QuEChERS LC-MASS SPECTROMETRY

Dr. Pilar Sandín-España¹, Miguelina Mateo-Miranda¹, Carmen López-Goti¹, Elena Seris-Barallo¹, Maria Jose PATiño-Ropero¹, Agustí Soler², Carlos Palomar³, Jose Luis Alonso-Prados¹

¹INIA, Madrid, Spain, ²Bayer CropScience S.L., EMEA Market Development, Sant Joan Despí - Barcelona, Spain, ³AEPLA, Madrid, Spain

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PESTICIDE RESIDUES IN WATER, SEDIMENT AND FISH INHABITING RICE FIELDS

Melina Michlig^{1,4}, Dr. Andrea Rossi^{2,3}, Noelia Fantón², Luisina Demonte^{1,4}, Jimena Cazenave^{2,3}, **Prof. Maria Rosa Repetti**¹

¹Programa de Investigación y Análisis de Residuos y Contaminantes Químicos (PRINARC), Facultad de Ingeniería Química, Universidad Nacional del Litoral, Santa Fe, Argentina, ²Instituto Nacional de Limnología, CONICET, UNL, Santa Fe, Argentina, ³Facultad de Humanidades y Ciencias, Universidad Nacional del Litoral, Santa Fe, Argentina, ⁴Consejo Nacional de Investigaciones Científicas y Técnicas (CONICET), CABA, Argentina

PO-54

MEPANIPYRIM IN PARSLEY. GAP NOT RESPECTED OR A POSSIBLE FALSE POSITIVE RESULT? A COMPREHENSIVE STUDY FOR THE DETERMINATION OF MEPANIPYRIM USING LC-MS/MS, UHPLC-Q-TOF-MS AND GC-APCI-Q-TOF-MS

Dr. Angeliki Charalampous¹, Dr. Demetrios Damalas², Dr. Nikolaos Thomaidis², Dr. Kostas Liapis¹

¹National Reference Laboratory for Pesticide Residues, Benaki Phytopathological Institute, Kifissia, Greece, ²Laboratory of Analytical Chemistry, Department of Chemistry, University of Athens, Athens, Greece

PO-55

DETERMINATION OF CARBON DISULPHIDE (CS₂) RESIDUES IN ORGANIC BRASSICA AND BULB VEGETABLES

Mrs Polyxeni Manella¹, Mr Gerassimos Kossiaras¹, Dr Eleftheria Bempelou², **Dr Konstantinos Liapis**²

¹School of Agricultural Sciences, University of Patras, Department of Agriculture, Terma Theodoropoulou, Amaliada (Ilia), Greece ²Laboratory of Pesticide Residues, Benaki Phytopathological Institute, Kifissia, Athens, Greece



PO-56

MULTI-RESIDUE TARGET SCREENING ANALYSIS OF PRIORITY SUBSTANCES FROM THE EUROPEAN WATER FRAMEWORK DIRECTIVE IN FRESHWATER BY GAS CHROMATOGRAPHY COUPLED TO HIGH RESOLUTION ORBITRAP MASS SPECTROMETRY

Mrs. Beatriz Gomez-Gomez¹, Mrs Almudena Dominguez¹, Mr Guillermo Cobo¹, Mr Carlos Nuño¹, Mr Manuel Toro¹, Mrs Ana M^a Alonso García¹

¹Laboratorio de Calidad de las Aguas, Centro de Estudios Hidrográficos CEDEX, Madrid, Spain

PO-57

EFFECT OF TWO THERMAL PROCESSES TO OBTAIN UHT AND PASTEURIZED MILK IN THE CONCENTRATION OF PESTICIDE AND ANTIBIOTIC RESIDUES: PRELIMINARY STUDY

Mrs Florencia Puigvert¹, **Mrs Agustina Muela**¹, Mr Esteban Carbajal², Mrs Magdalena Irazoqui⁴, Mrs Lucía Grille³, Mr Santiago Jorcín², Dr Tomás Lopez², Dr. Lucía Pareja¹

¹Departamento de Química del Litoral, Cenur Litoral Norte, Universidad de la República, Paysandú, Uruguay ²Departamento de Ciencia y Tecnología de Lácteos, Sede Colonia La Paz, Instituto Tecnológico Suroeste, Universidad Tecnológica, Colonia La Paz, Uruguay ³Departamento de Ciencia y Tecnología de la Leche, Facultad de Veterinaria, Universidad de la República, Paysandú, Uruguay, ⁴Departamento de Tecnología de los Alimentos, Cenur Litoral Norte, Universidad de la República, Paysandú, Uruguay

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QUECHERS METHOD VALIDATION FOR ORGANOCHLORINE PESTICIDES (OCL'S) IN HUMAN MILK

Dr. Fabrizio Straccia¹, Dr. Fernando Raco¹, Dr. Alejandra Rodríguez¹, **Dr. Patricia Gatti**¹

¹Instituto Nacional de Tecnología Industrial (INTI), Buenos Aires, Argentina



PV - VENDOR POSTERS

PV-01

ROUTINE, HIGH THROUGHPUT, AND SIMULTANEOUS QUANTITATION AND SUSPECT SCREENING OF PESTICIDES USING A Q-TOF AND NOVEL SOFTWARE TOOL

Dr. Anastasia Andrianova¹, Dr. Karen Yannell², Dr. Tarun Anumol¹

¹Agilent Technologies, Wilmington, United States, ²Agilent Technologies, Santa Clara, United States

PV-02

AUTOMATED CLEAN-UP OF QUECHERS EXTRACTS FOR LC-MS AND GC-MS

Dr. Guenter Boehm¹, Dr. Hans-Joachim Huebschmann², Mr Reto Bolliger¹

¹CTC Analytics AG, Zwingen, Switzerland, ²CTC Analytics Asia Pte Ltd, Singapore

PV-03

A FAST GC-MS/MS SYSTEM CONFIGURATION FOR ANALYZING 360 PESTICIDES IN LESS THAN 10 MINUTES

Mr. Uwe Oppermann¹, Dr. Waldemar Weber¹

¹Shimadzu Europa GmbH, Duisburg, Germany

PV-04

ADVANCING THROUGHPUT FOR COMPREHENSIVE HRMS SCREENING OF DRINKING WATER: COMBINED APPROACH OF ONLINE SPE AND DIRECT INJECTION

Dr. László Tölgvesi¹, Mr. Stephan Lebertz²

¹Agilent Technologies Sales & Services GmbH & Co. Kg, Waldbronn, Germany, ²SGS Institut Fresenius GmbH, Taunusstein, Germany

PV-05

ANALYSIS OF PESTICIDES IN CANNABIS USING ISOTOPICALLY LABELED INTERNAL STANDARDS AND LIQUID AND GAS CHROMATOGRAPHY COUPLED WITH TANDEM MASS SPECTROMETRY

Mr. Geoff Rule³, Mr. Rafael A. Acosta², Dr. Ingrid Hayenga⁴, **Dr. Stephan Altmaier**¹, Dr. Uma Sreenivasan²

¹Merck KGaA, Darmstadt, Germany ²MilliporeSigma, Round Rock, USA ³MilliporeSigma, Bellefonte, USA ⁴Sigma-Aldrich Chemie GmbH, Buchs, Switzerland



PV-06

MOLECULARLY IMPRINTED POLYMERS AS PASSIVE SAMPLER (POCIS) AND CARTRIDGES FOR CLEAN-UP OF GLYPHOSATE, AMPA, AND GLUFOSINATE ANALYSIS WITHOUT DERIVATIZATION IN VARIOUS FOOD AND WATER MATRICES

Dr. Kaynoush Naraghi¹, Mr Corentin Germain¹, Dr Michel Arotcarena¹, Dr Sami Bayoudh¹

¹*Affinisep, Petit Couronne, France*

PV-07

SOLID PHASE EXTRACTION DISKS FOR TRACE ANALYSIS OF PICOLINIC HERBICIDES AND METOLACHLOR METABOLITES IN LARGE VOLUME OF DRINKING WATER.

Dr. Kaynoush Naraghi¹, Mr Corentin Germain¹, Dr Michel Arotcarena¹, Mr Raphael Durand¹, Dr Sami Bayoudh¹

¹*Affinisep, Petit Couronne, France*

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ANALYSIS OF PESTICIDES IN PAPRIKA - DEVELOPMENT OF AN SPE CLEANUP METHOD

Mr. Klaus Buckendahl¹, Mr. Stacy Shollenberger², Mrs. Katherine Stenerson², Mr. Hugh Cramer², Mr. Hillel Brandes²

¹*Merck/Sigma-Aldrich Chemie GmbH, Taufkirchen, Germany*, ²*MilliporeSigma, Bellefonte, USA*

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EXTRACTION OF PESTICIDES FROM ASSORTED FOOD MATRICES USING A RAPID, SIMPLE, AND AUTOMATED EXTRACTION SYSTEM

Mrs. Candice Caulder¹, Dr. Alicia Stell¹, Dr. Candice Cashman¹, Dr. Maria Swasy¹, Benedict Liu¹, Brittany Leffler¹

¹*CEM Corporation, Matthews, United States*

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THE ROBUST AND SENSITIVE ANALYSIS OF POLAR ANIONIC PESTICIDES IN BABY FOODS USING A NOVEL CARTRIDGE CLEAN-UP AND ION CHROMATOGRAPHY-TRIPLE QUADRUPOLE MASS SPECTROMETRY

Mr. Richard Fussell¹, Dr Yingchen Li², Dr Qilei Guo², Dr Qian Peng³

¹*Thermo Fisher Scientific, Malton, United Kingdom*, ²*Thermo Fisher Scientific, Beijing, China*, ³*Thermo Fisher Scientific, Shanghai, China*



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AUTOMATED CLEANUP AND ANALYSIS OF PESTICIDES IN SPICES BY MINI-SOLID-PHASE EXTRACTION

Dr. Arnab Goon^{2,3}, Dr. Raviraj Shinde², Dr. Bappa Ghosh², Dr. Kaushik Banerjee², **Dr. Hans-Joachim Huebschmann¹**

¹CTC Analytics Asia Pte Ltd, Osaka, Japan, ²National Referral Laboratory, ICAR-National Research Centre for Grapes, Pune, India, ³Thermo Fisher Scientific India Pvt. Ltd, Mumbai, India

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MULTI-PESTICIDE RESIDUE ANALYSES OF QUECHERS EXTRACTS USING AN AUTOMATED ONLINE MICRO-SPE CLEAN-UP COUPLED TO LC-MS/MS

Dr Long Sun¹, Dr Qilei Guo¹, Dr Cristina C Jacob², Dr Claudia P B Martins², Mr Richard J Fussell³

¹Thermo Fisher Scientific, Beijing, China, ²Thermo Fisher Scientific, San Jose, USA, ³Thermo Fisher Scientific, Hemel Hempstead, UK

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AUTOMATED ONLINE MICRO-SPE CLEAN-UP OF QUECHERS EXTRACTS FOR GC-MS/MS ANALYSIS OF PESTICIDES RESIDUES IN FOOD

Dr. Sarvendra Pratap Singh¹, Dr. Subodh Kumar Budakoti¹, Dr. Dasharath Oulkar¹, Dr. Fausto Pigozzo², **Dr. Daniela Cavagnino²**

¹Thermo Fisher Scientific, Customer Solution Center, India ²Thermo Fisher Scientific, Rodano, Italy

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HIGHLY SENSITIVE MULTI-RESIDUE METHOD FOR IDENTIFICATION AND QUANTITATION OF PESTICIDE RESIDUES IN MEAT USING GC-(AEI)-MS/MS

Dr. Daniela Cavagnino¹, Dr. Sarvendra Pratap Singh¹, Dr. Dasharath Oulkar¹, **Dr. Daniela Cavagnino²**

¹Thermo Fisher Scientific, Customer Solution Center, India ²Thermo Fisher Scientific, Rodano, Italy

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SIMULTANEOUS SCREENING AND QUANTITATION OF PESTICIDE RESIDUES IN MILK AT TRACE LEVELS USING HIGH RESOLUTION ORBITRAP GC-MS

Dr Sarvendra Pratap Singh¹, Mr Subodh Kumar Badakoti¹, Dr Dasharath Oulkar¹, Mr Richard Fussell²

¹Thermo Fisher Scientific, Ghaziabad, India ²Thermo Fisher Scientific, Hemel Hempstead, UK

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CCA AND CCB AUTOMATIC CALCULATION AND FLAGGING IN SCIEX OS-Q SOFTWARE

Dr. Yoann Fillâtre¹, Dr. Loïc Beyet¹, Dr. Jianru Stahl-Zeng²

¹Sciex, France, Villebon/Yvette, France ²Sciex, Germany, Darmstadt, Germany



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**MULTI-RESIDUE PESTICIDES ANALYSIS USING SCHEDULED MRM ON SCIEX TRIPLE
QUAD™ 3500 IN MANGO AND ONION**

Aman Sharma², M. Chandrasekar², Anoop Kumar², Manoj G Pillai², Josep Lliberia¹, Jianru Stahl-Zeng¹

¹Sciex, Darmstadt, Germany ²SCIEX, Udyog Vihar, Phase IV, Gurgaon, India

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**CHOOSE YOUR TOOLS: A MULTI-PLATFORM GC/MS STUDY OF PESTICIDES
INCURRED IN STRAWBERRIES**

Dr. Anastasia Andrianova¹, Dr. Sofia Nieto², Dr. Melissa Churley², Dr. Bruce Quimby¹, Ms. Jessica Westland¹

¹Agilent Technologies, Wilmington, United States ²Agilent Technologies, Santa Clara, United States

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THE DETECTION OF FIPRONIL AND FIPRONIL SULFONE IN EGGS

Dr. Hansjoerg Majer¹, Mrs. Jamie York², Mr. Kevin Schugg², Mr. Ty Kahler¹

¹Restek Corporation, Bellefonte, USA ²University of Arlington, Arlington, USA

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**LC-MS/MS ANALYSIS OF GLYPHOSATE AND OTHER POLAR CONTAMINANTS IN
FOOD WITH A NOVEL ION EXCHANGE/HILIC COLUMN**

Dr. Hansjoerg Majer¹, Mr. Xiaoning Lu¹, Mrs. Dan Li¹

¹Restek Corporation, Neukirchen-Vluan, Germany

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**ACHIEVING METHOD RELIABILITY IN THE ROUTINE DETERMINATION OF ANIONIC
POLAR PESTICIDES IN FOOD, WITHOUT DERIVATISATION**

Mr. Euan Ross¹, Mr. J.D. De-Alwis¹, **Dr. Stuart Adams**¹, Ms Dimple Shah², Dr. Simon Hird¹

¹Waters, Wilmslow, United Kingdom ²Waters, Milford, United States of America

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**EVALUATING SYSTEM PERFORMANCE DURING ROUTINE ANALYSIS OF FOOD
COMMODITIES FOR PESTICIDE RESIDUES**

Ms. Dimple Shah², Ms. Jodi-Anne Wood², Dr. Simon Hird¹, **Ms. Renata Jandova**¹

¹Waters, Wilmslow, United Kingdom ²Waters, Milford, United States of America



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ROUTINE DETERMINATION OF HIGHLY POLAR CATIONIC PESTICIDES AND PLANT GROWTH REGULATORS BY LC-MS/MS

Dr. Benjamin Wuyts¹, Mr. J.D. De-Alwis¹, Mr. Euan Ross¹, Dr. Simon Hird¹, **Dr. Stuart Adams¹**

¹*Waters, Wilmslow, United Kingdom*

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INCREASED ACCURACY AND TRACEABILITY OF PREPARATION OF PESTICIDE STOCK SOLUTION BY AUTOMATED DOSING WORKFLOW

Mrs. Nutsima Schnell¹

¹*Mettler Toledo AG, Greifensee, Switzerland*

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EVALUATING ALTERNATIVE AND SIMPLIFIED CLEANUP OF FOODSTUFFS FOR GC-MS/MS DETERMINATION OF PESTICIDES

Mr. Euan Ross¹, Mr. J.D De-Alwis¹, Mr. Defeng Huang², **Ms Renata Jandova¹**

¹*Waters, Wilmslow, United Kingdom* ²*Waters, Shanghai, China*

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EXPLORING THE ANALYTICAL SCOPE OF PESTICIDES, IONISABLE IN A SINGLE INJECTION

Ms. Eimear McCall¹, Dr. Kari Organtini³, Mr. Euan Ross¹, Dr. Benjamin Wuyts¹, Mr Kwonyub Lee², Mr. Jordan Kwon²

¹*Waters, Wilmslow, United Kingdom* ²*Waters, Seoul, South Korea* ³*Waters, Milford, United States of America*

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MAXIMISING THE METHOD'S PERFORMANCE AT THE ANALYTICAL SYSTEM'S FIRST PORT: SAMPLE INJECTION

Ms. Eimear McCall¹, Ms. Dimple Shah², Dr. Kari Organtini², Dr. Simon Hird¹, Mr. Euan Ross¹, Dr. Stuart Adams¹

¹*Waters, Wilmslow, United Kingdom* ²*Waters, Milford, United States of America*

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A NOVEL DATA-INDEPENDENT ACQUISITION STRATEGY FOR NON TARGETED, ACCURATE MASS CONTAMINANT SCREENING

Ms. Eimear McCall¹, Dr. Gareth Cleland², Dr. Simon Hird¹, Ms. Dimple Shah², Dr. Stuart Adams¹

¹*Waters, Wilmslow, United Kingdom* ²*Waters, Milford, United States of America*



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OPTIMIZING A 190+ PESTICIDES MULTI-RESIDUE SCREENING WORKFLOW FOR THE PREPARATION AND ANALYSIS OF PRODUCE BY LC-MS/MS

Dr. Landon Rousova¹, Dr. Jana Rousova¹, Joe Konschnik¹, Dr. Dan Li¹, Dr. Jamie York¹, Justin Steimling¹

¹Restek, Bellefonte, United States

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OPTIMIZING SAMPLE PREPARATION FOR THE ANALYSIS OF OVER 200 MULTI-RESIDUE PESTICIDES IN PRODUCE BY GC-MS/MS

Dr. Jana Rousova¹, Joe Konschnik¹, Hansjoerg Majer¹, Chris English¹, Alex Bush¹

¹Restek, Bellefonte, United States

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ANALYTICAL SOLUTIONS FOR THE DETERMINATION OF PESTICIDES IN CANNABIS PRODUCTS

Dr. Nathaly Reyes¹, Dr. Jana Rousova¹, Colton Myers¹, Ashlee Gerardi¹, Joe Konschnik¹, Hansjoerg Majer¹, Justin Steimling¹

¹Restek Corporation, Bellefonte, United States

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UNLOCKING THE MYSTERY OF PESTICIDES CRM STABILITY FOR FOOD ANALYSIS

Mr. Joe Konschnik¹, Mr. Jason Fisher¹, Dr. Landon Wiest¹, Dr. Jana Rousova Hepner¹, Ms. Karen Risha¹

¹Restek Corporation, Bellefonte, United States

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VALIDATION OF PERCHLORATE AND CHLORATE WITH A DEVELOPED METHOD ON AGILENT'S NOVEL HILIC-Z,P-COLUMN USING LC-MS/MS

Dr. Khalid Bensbaho¹

¹Eurofins Food, Feed & Water Testing Netherlands, Graauw, Netherlands ²Eurofins Food, Feed & Water Testing Netherlands, Graauw, The Netherlands

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VALIDATION OF GLYPHOSATE, ETHEPHON AND METABOLITES WITH A DEVELOPED METHOD ON AGILENT'S NOVEL HILIC-Z,P-COLUMN USING LC-MS/MS

Dr. Khalid Bensbaho¹, Mrs. Elisa Platjouw¹

¹Eurofins Food, Feed & Water Testing Netherlands, Graauw, Netherlands



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QUANTITATIVE ANALYSIS OF FLURALANER IN EGGS, EGG-PRODUCTS, CHICKEN MUSCLE AND -FAT WITH THE AGILENT 6470 TQ

Dr. Khalid Bensbaho¹, Mrs. Elisa Platjouw¹

¹*Eurofins Food, Feed & Water Testing Netherlands, Graauw, Netherlands*

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REDUCING ANALYST WORK TIME AND EQUIPMENT DOWN TIME WITH AGILENT INTUVO GC FOR FAST PESTICIDE ANALYSIS USING PLUG AND PLAY REPLACEMENT PARTS IN COMBINATION WITH HIGHLY ADJUSTABLE AND PROACTIVE ANALYSIS SOFTWARE MASSHUNTER

Dr. Khalid Bensbaho¹, Mrs. Elisa Platjouw¹

¹*Eurofins Food, Feed & Water Testing Netherlands, Graauw, Netherlands*