### **POSTERS**

# P1 – P24 OCCURRENCE – MYCOTOXIGENIC FUNGI AND MYCOTOXINS

P1 The risk of contamination with moulds and mycotoxins, dietary supplements in the form of dried plants

Iwona Altyn and M. Twarużek

Department of Physiology and Toxicology, Faculty of Biological Sciences, Kazimierz Wielki University, Poland

P2 Co-occurrence of moniliformin, fumonisins and deoxynivalenol in maize and wheat grown in Italy

**Terenzio Bertuzzi**<sup>1</sup>, P. Giorni<sup>2</sup>, G. Leni<sup>1</sup>, P. Vaccino<sup>3</sup>, C. Lanzanova<sup>3</sup> and S. Locatelli<sup>3</sup>
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<sup>2</sup>Department of Sustainable Crop Production, Università Cattolica del Sacro Cuore, Italy;
<sup>3</sup>Research Center for Cereal and Industrial Crops, Council for Agricultural Reearch and Economics, Italy

- P3 The occurrence of mycotoxins in various spices purchased in retail stores in the USA **Julie L. Brunkhorst**, J. Bierbaum and R. Niemeijer Trilogy Analytical Laboratory, USA
- P4 Occurrence of ochratoxin a in cheese from the Italian market and efsa race tool risk assessment S. Bonan<sup>1</sup>, M. Peloso<sup>1</sup>, P. Roncada<sup>2</sup>, A. Guerrini<sup>2</sup> and **Elisabetta Caprai**<sup>1</sup>

  ¹Food Chemical Department, Istituto Zooprofilattico Sperimentale Lombardia ed Emilia Romagna 'Bruno Ubertini', Italy; ²Department of Veterinary Medical Sciences, University of Bologna, Italy
- P5 High occurrence of aflatoxins and cyclopiazonic acid producing Aspergillus section Flavi species isolated from Ethiopian peanut-growing areas

  Carla Cervini¹, C. Verheecke-Vaessen¹, A. Mohammed², N. Magan¹ and A. Medina¹

  ¹Applied Mycology Group, Environment and AgriFood Theme, Cranfield University, UK;² School of Plant Sciences, Haramaya University, Ethiopia
- P6 Occurrence and variation of Fusarium regulated, masked and emerging mycotoxins in maize from agriculture regions of South Africa

Theodora I. Ekwomadu<sup>1,2</sup>, R.E. Gopane<sup>1</sup> and M. Mwanza<sup>2</sup>

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- Presence of ochratoxin A in red and white wines sourced from Southern Italy (Sicily)

  Vincenzo Ferrantelli, F.G. Galluzzo, E. Bacchi, M.D. Buscemi, L. Pantano, V. Cumbo,
  G. Vincenzo, V. Macaluso, A. Macaluso and S. Seminara

  Istituto Zooprofilattico Sperimentale della Sicilia, Italy
- P8 Screening on the presence of Ochratoxin A in dry cured meat products collected in Southern Italy (Sicily) during 2019-2021

**Francesco Giuseppe Galluzzo**, L. Pantano, V. Cumbo, V. Macaluso, C. Castronovo, M.D. Buscemi, E. Bignardelli, A. Macaluso, A. Vella and V. Ferrantelli Istituto Zooprofilattico Sperimentale della Sicilia, Italy

P9 Preliminary investigation of the presence of fungal pathogens and mycotoxins in seed hemp varieties

Paola Giorni<sup>1</sup>, T. Bertuzzi<sup>2</sup>, S. Locatelli<sup>3</sup> and C. Lanzanova

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<sup>3</sup>Research Centre for Cereal and Industrial Crops, Council for Agricultural Research and Economics, Italy

- P10 Fungal species and mycotoxins in wheat straw used for dairy cattle feeding in North Portugal Jesús M. González-Jartín¹, O. Aguín², M.J. Sainz³, V. Ferreiroa², I. Rodríguez-Cañás¹, A. Alfonso¹, R. Alvariño¹, M.R. Vieytes⁴, C. Salinero³ and L.M. Botana¹
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- P11 Mycotoxin prevalence in 2021: European feeds and raw materials

  Swamy Haladi and A. Bhat

  Trouw Nutrition, the Netherlands
- P12 Mycotoxin prevalence in 2021: Asian feeds and raw materials

  Swamy Haladi and A. Bhat

  Trouw Nutrition, the Netherlands
- P13 Mycotoxin prevalence in 2021: Middle East and African feeds and raw materials

  Swamy Haladi and A. Bhat

  Trouw Nutrition, the Netherlands
- P14 Mycotoxin prevalence in 2021: Latin American feeds and raw materials

  Swamy Haladi and A. Bhat

  Trouw Nutrition, the Netherlands
- P15 Analysis of the presence of ochratoxin A in coffee and coffee-based products collected from Southern Italy (Sicily) during 2019-2021
   Andrea Macaluso, G. Cammilleri, F.G. Galluzzo, E. Bacchi, M.D. Buscemi, L. Pantano, A. Letizia, V. Macaluso, V. Cumbo and V. Ferrantelli Istituto Zooprofilattico Sperimentale della Sicilia, Italy
- P16 Enniatins and beauvericin: emerging mycotoxins of concern in Fusarium.

  E. Gritti¹, **Paolo Matteini**¹, F. Rosi¹, G. Sammarco¹, S. Robert², J. Alappat³, S. Deng⁴,
  E. De Dominicis¹, S. Saner⁵ and P. Metra²

  ¹,⁵Mérieux NutriSciences R&D ¹Italy, ²France, ³North America, ⁴China, ⁵Turkey
- P17 Natural toxins in plant commodities used in plant-based meat alternatives: A systematic review Octavian Augustin Mihalache, L. Dellafiora and C. Dall'Asta Department of Food and Drug, University of Parma, Italy
- P18 Occurrence of major mycotoxins, masked/modified forms and emerging mycotoxins in Europe in 2021 as detected by Spectrum Top® 50

  Anneliese Mueller<sup>1</sup>, D. Steiner<sup>2</sup>, K. Hasler<sup>2</sup> and U. Hofstetter<sup>1</sup>

  ¹DSM Austria GmbH, Austria; ²Romer Labs Diagnostic GmbH, Austria
- P19 Fungal diversity and targeted metabolomics in stored cereals under different interacting abiotic factors

**Abimbola Oluwakayode**<sup>1</sup>, J. Meneely<sup>2</sup>, R. Krska<sup>2,3</sup>, N. Magan<sup>1</sup> and A. Medina<sup>1</sup> Applied Mycology Group, Environment and AgriFood Theme, Cranfield University, UK; <sup>2</sup>Institute for Global Food Security Biological Sciences, Queen's University Belfast, UK; <sup>3</sup>Department IFA-Tulln, BOKU Vienna, Austria

P20 Occurrence of selected Fusarium toxins in samples of Polish maize and wheat cereal grain from the 2020 and 2021 harvest

Adam Pierzgalski and M. Bryła

Department of Food Safety and Chemical Analysis, Institute of Agricultural and Food Biotechnology – State Research Institute, Poland

- P21 Total mixed ration mycological and mycotoxicological contamination

  Magdalena Twarużek, J. Grajewski, R. Kosicki, P. Skrzydlewski, E. Soszczyńska and
  G. Pilarska
  - Faculty of Biological Sciences, Department of Physiology and Toxicology, Kazimierz Wielki University, Poland
- P22 Occurrence of mycotoxins and crop agronomic characteristics in maize with different endosperm textures
  - C.T. Simões<sup>1</sup>, **Denize Tyska**<sup>1,2</sup>, C. Rosa da Silva<sup>1</sup>, J.A. Sarturi<sup>1</sup>, L. Medianeira de Lima Schlösser<sup>1</sup>, B. Somavilla<sup>1</sup>, L.B. Casal<sup>1</sup>, T. Moreira da Silva<sup>1</sup>, A.O. Mallmann<sup>2</sup> and C.A. Mallmann<sup>1</sup>
  - <sup>1</sup>Laboratory of Mycotoxicological Analyses, Department of Preventive Veterinary Medicine, Federal University of Santa Maria, Brazil; <sup>2</sup>Pegasus Science, Brazil
- P23 Potential mycotoxin-producing species in organic cereals from Spain
  S. Berguices-Miguel, M. García-Díaz, C. Melguizo, J. Gil-Serna, **Covadonga Vázquez** and
  B. Patiño
  - Department of Genetics, Physiology and Microbiology, Faculty of Biology, Complutense University of Madrid, Spain
- P24 Sterigmatocystin occurrence in traditional meat products of households seated in different Croatian regions

**Ana Vulić**<sup>1</sup>, T. Lešić<sup>1</sup>, N. Kudumija<sup>1</sup>, M. Zadravec<sup>2</sup>, M. Škrivanko<sup>3</sup>, N. Vahčić<sup>4</sup> and J. Pleadin<sup>1</sup> <sup>1</sup>Laboratory for Analytical Chemistry, Croatian Veterinary Institute, Croatia; <sup>2</sup>Laboratory for Feed Mycrobilogy, Croatian Veterinary Institute, Croatia; <sup>3</sup>Veterinary Institute Vinkovci, Croatian Veterinary Institute, Croatia; <sup>4</sup>Faculty of Food Technology and Biotechnology, University of Zagreb, Croatia

## P25 – P36 EXPOSURE ASSESSMENT AND HEALTH

- Paula Alvito<sup>1,2\*</sup>, R. Assunção<sup>1,2,3</sup>, P. Bastos-Amador<sup>4</sup>, M. De Boevre<sup>5</sup>, E.L. Duarte<sup>6,7</sup>, C. Martins<sup>1,2,8,9</sup>, I. Serrenho<sup>1</sup>, I. Silva<sup>6</sup>, L. Visintin<sup>5</sup> and M. Ferreira<sup>4,10</sup>

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  ²Centre for Environmental and Marine Studies, University of Aveiro, Portugal; ³Egas Moniz Cooperativa de Ensino Superior, Portugal; ⁴Champalimaud Centre for the Unknown, Champalimaud Foundation, Portugal; ⁵Centre of Excellence in Mycotoxicology and Public Health, Ghent University, Belgium; <sup>6</sup>School of Science and Technology, Universidade de Évora, Portugal, <sup>7</sup>Mediterranean Institute for Agriculture, Environment and Development, Portugal; <sup>8</sup>Public Health Research Centre, Universidade NOVA de Lisboa, Portugal; <sup>9</sup>Comprehensive Health Research Center, Portugal; <sup>10</sup>Center for Neuroscience and Cell Biology, University of Coimbra, Portugal
- P26 Innovative 2D and 3D in vitro models to evaluate toxicological effects of ochratoxin A and fumonisin B1 on human cells
   Beatriz Arce-López, M. Coton, E. Coton and N. Hymery
   Laboratoire Universitaire de Biodiversité et Ecologie Microbienne, Universiteé de Brest, INRAE,
- P27 Prolonged vascular contractile response induced by the R and S-epimers of the ergot alkaloid ergocristine, and attenuation by a non-competitive antagonist

  Jensen E. Cherewyk<sup>1</sup>, S.E. Parker<sup>1</sup>, Barry R. Blakle<sup>y</sup>2 and A.N. Al-Dissi<sup>3</sup>

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France

- P28 Combinatory effects of endocrine disruptive mycotoxins and foodborne xenoestrogens on breast cancer progression
  - J. Groestlinger<sup>1</sup>, C. Chroma<sup>1</sup>, N. Saraiva<sup>2</sup>, A.S. Fernandes<sup>2</sup>, H. Gohlke<sup>3</sup>, D. Marko<sup>1</sup> and **Giorgia Del Favero**<sup>1,4</sup>
  - <sup>1</sup>Department for Food Chemistry and Toxicology, Faculty of Chemistry, University of Vienna, Austria; <sup>2</sup>Research Centre for Biosciences and Health Technologies, Lusófona University of Humanities and Technologies, Portugal; <sup>3</sup>Institut für Pharmazeutische und Medizinische Chemie, Heinrich-Heine University Düsseldorf, Germany; <sup>4</sup>Core Facility Multimodal Imaging, Faculty of Chemistry, University of Vienna, Austria
- P29 Calcium dysregulation is involved in enniatins cytotoxicity in neuronal cells
  N. Pérez-Fuentes<sup>1</sup>, R. Alvariño<sup>1</sup>, **Jesús González-Jartín<sup>1</sup>**, A. Alfonso<sup>1</sup>, S. Gegunde<sup>1,2</sup> and
  L.M. Botana<sup>1</sup>

  ¹Departamento de Farmacología, Facultad de Veterinaria, Universidad de Santiago de
  Compostela, Spain; ²Fundación Instituto de Investigación Sanitario Santiago de Compostela,
- P30 Potentially harmful exposure to mycotoxins during the critical prenatal period: a human biomonitoring study in a pregnant cohort in rural Bangladesh

  Nicholas N. A. Kyei¹.2.3, B. Cramer⁴, H.-U. Humpf⁴, G.H. Degen⁵, N. Ali⁶ and S. Gabrysch¹.2.3

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- P31 Determination of pharmacokinetic parameters of efavirenz and aflatoxin B1: An approach to unravel possible interactions

  Orphélie Lootens<sup>1,2,3</sup>, A. Vermeulen<sup>2</sup>, J. Van Bocxlaer<sup>2</sup>, S. De Saeger<sup>1,3,4</sup>, M. De Boevre<sup>1,3</sup>

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- P32 Impact of Fusarium-derived mycotoxins enniatin B, B1 and beauvericin fed to weaned piglets **Barbara Novak**<sup>1</sup>, A. Lopes Hasuda<sup>2,3</sup>, M. Ghanbari<sup>1</sup>, V.M. Maruo<sup>3,4</sup>, A.P.F.R.L. Bracarense<sup>2</sup>, M. Neves<sup>3</sup>, C. Emsenhuber<sup>1</sup>, S. Wein<sup>1</sup>, I.P. Oswald<sup>3</sup>, P. Pinton<sup>3</sup> and D. Schatzmayr<sup>1</sup>

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- P33 Assessment of mycotoxin exposure of rural workers through diet and urinary biomarkers in Brazil
  - T.F. Franco and Carlos A.F. Oliveira

Hospital Universitario Lucus Augusti, Spain

- Faculdade de Zootecnia e Engenharia de Alimentos, Universidade de São Paulo, Brazil
- P34 A metaproteomic approach to elucidate the effects of deoxynivalenol and zearalenone on the porcine gut microbiome
  - J.S. Sáenz<sup>1,2</sup>, A. Kurz<sup>1,2</sup>, U. Ruczizka<sup>3</sup>, M. Bünger<sup>3</sup>, M. Dippel<sup>3</sup>, B. Grenier<sup>4</sup>, **Gerd Schatzmayr**<sup>4</sup>, A. Ladinig<sup>3</sup>, J. Seifert<sup>1,2</sup> and E. Selberherr<sup>5</sup>
  - ¹Institute of Animal Science, University of Hohenheim, Germany; ²Hohenheim Center for Livestock Microbiome Research, University of Hohenheim, Germany; ³University Clinic for Swine, University of Veterinary Medicine Vienna, Austria; ⁴DSM, Austria; ⁵Institute of Food Safety, Food Technology and Veterinary Public Health, Unit of Food Microbiology, University of Veterinary Medicine Vienna, Austria

- P35 The first extensive and global mycotoxin exposure survey in livestock

  Arnau Vidal<sup>1</sup>, M. Devreese<sup>2</sup>, S. De Baere<sup>2</sup>, S. Croubels<sup>2</sup> and C. Gougoulias<sup>1</sup>

  <sup>1</sup>Innovad Global, Belgium; <sup>2</sup>Department of Pharmacology and Toxicology, Faculty of Veterinary Medicine, Ghent University, Belgium
- P36 Concentration of zearalenone, α-zearalenol and β-zearalenol in the myocardium and the results of isometric analyses of the coronary artery in prepubertal gilts
   M. Gajęcka¹, M.S. Majewski², Łukasz Zielonka¹, W. Grzegorzewski³,⁴, E. Onyszek⁵, S. Lisieska-Zołnierczyk⁶, J. Juśkiewicz⁻, A. Babuchowski⁵ and M.T. Gajęcki¹
   ¹Department of Veterinary Prevention and Feed Hygiene, University of Warmia and Mazury in Olsztyn, Poland; ²Department of Pharmacology and Toxicology, University of Warmia and Mazury in Olsztyn, Poland; ³Institute of Biology and Biotechnology, University of Rzeszów, Poland; ⁴Interdisciplinary Center for Preclinical and Clinical Research, University of Rzeszów, Poland; ⁵Dairy Industry Innovation Institute Ltd., Poland; ⁶Independent Public Health Care Centre of the Ministry of the Interior and Administration, and the Warmia and Mazury Oncology Centre in Olsztyn, Poland; ¬Department of Biological Function of Foods, Institute of Animal Reproduction and Food Research, Poland

# P37 – P65 MITIGATING THE NEGATIVE IMPACT OF MYCOTOXINS

- P37 Efficacy assessment of a yeast cell wall-based product in reducing the mycotoxins oral bioavailability in rats
  - D. Greco<sup>1</sup>, V. D'Ascanio<sup>1</sup>, V. Marquis<sup>2</sup>, D. Tricarico<sup>3</sup>, M. Antonacci<sup>3</sup>, A.F. Logrieco<sup>1</sup> and **Giuseppina Avantaggiato**<sup>1</sup>
  - <sup>1</sup>Institute of Sciences of Food Production (CNR-ISPA), Italy; <sup>2</sup>Phileo by Lesaffre, France; <sup>3</sup>Section of Pharmacology, Department of Pharmacy-Pharmaceutical Sciences, University of Bari, Italy
- P38 First *in vitro* evidences of sporidesmins adsorption by a clay-based material V. D'Ascanio<sup>1</sup>, D. Greco<sup>1</sup>, M. Abbasciano<sup>1</sup>, A.F. Logrieco<sup>1</sup>, D. Wilde<sup>2</sup> and **Giuseppina Avantaggiato**<sup>1</sup>
  - <sup>1</sup>Institute of Sciences of Food Production (CNR-ISPA), Italy; <sup>2</sup>Anpario plc, UK
- P39 Evaluation of a yeast hydrolysate from a novel strain of Saccharomyces cerevisiae for mycotoxin mitigation using in vitro and in vivo models

Paul Bruinenberg<sup>1</sup> and M. Castex<sup>2</sup>

- <sup>1</sup>Trouw Nutrition R&D, the Netherlands; <sup>2</sup>Lallemand SAS, France
- P40 Machine learning-aided design for atox nature silver detoxifier for animal feed G. Lo Dico<sup>1,2,3</sup>, S. Croubels<sup>4</sup>, **Verónica Carcelén**<sup>3</sup> and M. Haranczyk<sup>1</sup>

  ¹IMDEA Materials Institute, Spain; ²Department of Materials Science and Engineering, Universidad Carlos III de Madrid, Spain; ³Tolsa Group, Spain; ⁴Department of Pharmacology, Toxicology and Biochemistry, Ghent University, Belgium
- P41 Effect of lactic acid bacteria in ochratoxin A and aflatoxin B1 reduction during bread fermentation
  - **Laura Escrivá**, C. Luz, C. Lafuente, M. Vitali, M. Riolo, T. Nazareth, R. Torrijos, L. Musto, P. Puigcerver and G. Meca
  - Laboratory of Food Chemistry and Toxicology, Faculty of Pharmacy, University of Valencia, Spain
- P42 A mycotoxin-mitigating feed additive reduces the chronic adverse effects of moderate levels of Fusarium mycotoxins in dairy cows
  - **Antonio Gallo**<sup>1</sup>, A. Catellani<sup>1</sup>, M. Marotta<sup>1</sup>, M. Mosconi<sup>1</sup>, A. Mulazzi<sup>1</sup>, S. van Kuijk<sup>2</sup> and Y. Han<sup>2</sup> <sup>1</sup>Department of Animal Science, Food and Nutrition, Università Cattolica del Sacro Cuore, Italy; <sup>2</sup>Trouw Nutrition R&D, the Netherlands

P43 In ovo effects of phyto-synthesized silver/zinc oxide nanoparticles on attenuating aflatoxin B1 oxidative stress, liver injury and gene expression in indigenous chickens

Martha Cebile Jobe and M. Mwanza

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P44 Review of the efficacy of different mycotoxin binders to adsorb mycotoxins in vitro

Abdelhacib Kihal, M. Rodríguez-Prado and S. Calsamiglia

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P45 Meta-analysis on the efficacy of different mycotoxin binders to reduce aflatoxin M1 in milk after aflatoxin B1 challenge in dairy cows

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P46 Efficacy of a postbiotic yeast cell wall in alleviating effects of naturally contaminated fusaria toxins in commercial broiler birds

**Manoj B. Kudupoje**<sup>1</sup>, V. Malathi<sup>2</sup>, R. Power<sup>1</sup> and A. Yiannikouris<sup>1</sup>
<sup>1</sup>Center for animal Nutrigenomics and Applied Animal Nutrition, Alltech Inc., USA; <sup>2</sup>Poultry Science Department, Veterinary College, India

- P47 Accumulation of fumonisins in broilers tissue with or without algoclay technology

  Julia Laurain<sup>1</sup>, D. Tardieu<sup>2</sup>, M. Matard-Mann<sup>1</sup>, M.A. Rodriguez<sup>1</sup> and P. Guerre<sup>2</sup>

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  France
- P48 The ability of an algoclay-based mycotoxin decontaminant to decrease the serum levels of zearalenone and its metabolites in lactating sows

  X. Benthem de Grave<sup>1</sup>, J. Saltzmann<sup>2</sup>, **Julia Laurain**<sup>3</sup>, M.A. Rodriguez<sup>3</sup>, F. Molist<sup>1</sup>, S. Dänicke<sup>2</sup> and R.R. Santos<sup>1</sup>

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  - <sup>1</sup>Schothorst Feed Research, the Netherlands; <sup>2</sup>Institute of Animal Nutrition, Friedrich-Loeffler-Institute Federal Research Institute for Animal Health, Germany; <sup>3</sup>Olmix SA, France
- P49 Adsorption of aflatoxin B1 and fumonisin B1 by maize, wheat, and oat bran Youngsun Lee, H. Nihtiläa<sup>1</sup>, J.M. Lemmetty and H.N. Maina Department of Food and Nutrition, Faculty of Agriculture and Forestry, University of Helsinki, Helsinki, Finland
- P50 Detoxification of aflatoxin B1 by microbial binding
  Jenna Lemmetty, T. Laitila, Y. Lee and N.H. Maina
  Department of Food and Nutrition, Faculty of Agriculture and Forestry, University of Helsinki,
  Finland
- P51 Evaluation of whey from cow's milk fermented by lactic acid bacteria as a bread biopreservative agent
  C. Luz, F. Lluenca, J. Calpe, V. D'Opazo, R. Torrijos, T. Nazaret, J.M. Quiles, L. Escrivà and Giuseppe Meca
  Laboratory of Food Chemistry and Toxicology, Faculty of Pharmacy, University of Valencia, Spain
- P52 Zearalenone hydrolase ZenA (ZENzyme®) and its ability to degrade ZEN in the rumen of dairy cows

**Barbara Novak**<sup>1</sup>, T. Hartinger<sup>2</sup>, J. Faas<sup>1</sup>, M. Killinger<sup>1</sup>, A. Höbartner-Gußl<sup>1</sup>, B. Doupovec<sup>1</sup>, D. Schatzmayr<sup>1</sup>, Q. Zebeli<sup>2</sup> and G. Vogtentanz<sup>1</sup>

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- P53 Mycotoxin deactivator improves performance, antioxidant status, and reduces oxidative stress in gestating and lactating gilts fed diets containing mycotoxins
  S.P. Siqueira<sup>1</sup>, H.F. De Brito<sup>1</sup>, W.A.G. Araújo<sup>1</sup>, M.S. Benfato<sup>2</sup>, D.M. Canata<sup>2</sup>, E.M. Gloria<sup>3</sup>,
  Damien P. Prévéraud<sup>4</sup>, D.V. Jacob<sup>5</sup> and B.A.N. Silva<sup>6</sup>
  - <sup>1</sup>Instituto Federal de Educação, Ciência e Tecnologia Norte de Minas Gerais, Brazil; <sup>2</sup>Institute of Biosciences, Universidade Federal do Rio Grande do Sul, Brazil; <sup>3</sup>College of Agriculture Luiz de Queiroz, Universidade de São Paulo, Brazil; <sup>4</sup>Adisseo France SAS, France; <sup>5</sup>Adisseo Brasil Nutriçao Animal Ltda., Brazil; <sup>6</sup>Institute of Agricultural Sciences, Universidade Federal de Minas Gerais, Brazil
- P54 Efficacy of mycotoxin deactivator on health and growth of broiler chickens under chronic dietary challenge of aflatoxins
  - P.S. Ingewar<sup>1</sup>, V. Patil<sup>2</sup>, N. Kurkure<sup>2</sup>, J. Dvorska<sup>3</sup> and **Damien P. Prévéraud**<sup>3</sup>
    <sup>1</sup>A2 Livestock Farms and Research, India; <sup>2</sup>Department of Pathology, Nagpur Veterinary College, Maharashtra Animal and Fishery Science University, India; <sup>3</sup>Adisseo France SAS, France
- P55 The remediation of toxins in the food chain using a novel multicomponent mycotoxin detoxifying agent (MMDA)
  - **Jog Raj**, H. Farkaš, Z. Jakovčević, S. Ćujić, J. Bošnjak-Neumüller and M. Vasiljević PATENT CO, DOO., Serbia
- P56 Degradation of deoxynivalenol using Devosia lucknowensis NCIMB 30593
  Z. Jakovčević, **Jog Raj**, H. Farkaš, S. Ćujić, J. Bošnjak-Neumüller and M. Vasiljević PATENT CO, DOO., Serbia
- P57 The effect of mycotoxin adsorbents on alleviating the negative effects of zearalenone in gilts: a field case

Jolien van Soest<sup>1</sup>, A.J.L. Frio<sup>2</sup> and M.J. Serrano<sup>3</sup>

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- P58 Evaluation of the efficacy of an anti-biotoxin solution supplemented in feed in dairy cows
  Clarisse Techer, A.-L. Tournay and L. Drouet
  MiXscience, France
- P59 Carboxypeptidase immobilization on nylon nanofibrous membranes for ochratoxin A detoxification

T. Calado<sup>1,2</sup>, R. Ferreira<sup>3</sup>, J.A. Lopes da Silva<sup>3</sup> and **Armando Venâncio**<sup>1,2</sup>
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- P60 Efficacy of TOXO®-XL on emerging mycotoxin adsorption at different pH levels **Guan-Lin Wang** and H.V.L.N. Swamy

  Trouw Nutrition, the Netherlands
- P61 Efficacy of TOXO®-MX on ergot alkaloids adsorption at different pH levels

  Guan-Lin Wang and H.V.L.N. Swamy

  Trouw Nutrition, the Netherlands
- P62 In vitro assessment of the potential interaction between vitamin B-complex and a commercial mycotoxin-mitigating product

O. Daud, H.V.L.N. Swamy and Guan-Lin Wang

Trouw Nutrition, the Netherlands

- P63 Effect of Mycosorb A+ on the uptake and deposition of deoxynivalenol and zearalenone in growing pigs
  - **Alexandros Yiannikouris**<sup>1</sup>, S. Vartiainen<sup>2</sup>, E. Koivunen<sup>2</sup>, K. Raatikainen<sup>2</sup>, J. Apajalahti<sup>2</sup> and C.A. Moran<sup>3</sup>.
  - <sup>1</sup>Alltech Inc., USA; <sup>2</sup>Alimetrics, Finland; <sup>3</sup>Alltech SARL, France
- P64 Broiler performance and environmental impact of production in response to mycotoxins and yeast cell wall extract supplementation: a meta-analysis
  - A. Weaver <sup>1</sup>, D.M. Weaver <sup>2</sup>, **Alexandros Yiannikouris** <sup>1</sup> and N. Adams <sup>3</sup> <sup>1</sup> Alltech Inc., USA; <sup>2</sup> Independent Researcher, USA; <sup>3</sup> Alltech UK, UK
- P65 Partner-assisted artificial selection of a secondary function for efficient aflatoxin bioremediation M. Zaccaria<sup>1</sup>, **Natalie Sandlin**<sup>1</sup>, Y. Soen<sup>2</sup>, M. Reverberi<sup>3</sup> and B. Momeni<sup>1</sup>

  <sup>1</sup>Biology Department, Boston College, USA; <sup>2</sup>Department of Biomolecular Sciences, Weizmann Institute of Science, Israel; <sup>3</sup>Department of Environmental and Evolutionary Biology, University of Rome La Sapienza, Italy

#### P66 - P92

#### CONTROLLING PLANT DISEASE AND MYCOTOXIN FORMATION

- P66 Optimizing fumonisin B1 production on liquid synthetic media
  G. Wiesenberger, M.M. Sopel, M. Lemmens, G. Adam and Franz Berthiller
  University of Natural Resources and Life Sciences (BOKU Vienna), Austria
- P67 Enhancement of agri-food by-products: green extractions to obtain bioactive molecules against maize mycotoxigenic fungi

**Giulia Bulla**<sup>1</sup>, T. Bertuzzi<sup>2</sup>, A. Mulazzi<sup>2</sup>, G. Leni<sup>2</sup>, M. Soldano<sup>3</sup>, M. Tacchini<sup>4</sup>, A. Guerrini<sup>4</sup>, G. Sacchetti<sup>4</sup> and P. Giorni<sup>1</sup>

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- <sup>2</sup>Department of Animal Science, Food and Nutrition, Università Cattolica del Sacro Cuore, Italy; <sup>3</sup>Centro Ricerche Produzioni Animal, Italy; <sup>4</sup>Department of Life Sciences and Biotechnologies, Università degli Studi di Ferrara, Italy
- P68 Deoxynivalenol and pigmented grains: from organisms to cells

  Maria Cavallero<sup>1</sup>, L. Righetti<sup>2</sup>, M. Blandino<sup>3</sup>, C. Dall'Asta<sup>2</sup> and E. Rolli<sup>1</sup>

  ¹Department of Chemistry, Life Sciences and Environmental Sustainability, University of Parma, Italy; ²Department of Food and Drug, University of Parma, Italy; ³Department of Agricultural, Forest and Food Sciences, University of Turin, Italy
- P69 Bioformulate to reduce the accumulation of aflatoxins in maize based on a biopolymer as a carrier and support for growth of the biocontrol agent
  M.S. Alaniz Zanon<sup>1</sup>, C. Oddino<sup>1</sup>, D. Giovanini<sup>1</sup>, C. Barbero<sup>2</sup>, M.L. Chiotta<sup>1</sup> and **Sofia N. Chulze**<sup>1</sup>
  <sup>1</sup>Research Institute on Mycology and Mycotoxicology, National Research Council from Argentina National University of Rio Cuarto, Argentina; <sup>2</sup>Research Institute on Energy Technology and Advanced Materials, National Research Council from Argentina National University of Rio Cuarto, Argentina
- P70 Influence of temperature and water activity on growth and aflatoxin production of Aspergillus flavus strains isolated from chickpeas
  - C.J. Romero<sup>1</sup>, J.F. Humaran<sup>1</sup>, M.J. Nichea<sup>1</sup>, V. Zachetti<sup>1</sup>, E. Cendoya<sup>1</sup>, L. Demonte<sup>2,3</sup>, M.R. Repetti<sup>2</sup>, **Sofia N. Chulze**<sup>1</sup> and M.L. Ramirez<sup>1</sup>
  - <sup>1</sup>Research Institute on Mycology and Mycotoxicology, National Research Council from Argentina National University of Rio Cuarto, Argentina; <sup>2</sup>The Chemical Residues and Contaminants Research and Analysis Program, Faculty of Chemical Engineering, National University of the Litoral, Argentina; 3National Research Council from Argentina, Argentina.

- P71 From the treasure chest of plant bioactives to the future of new crop protectants for a sustainable agriculture: the possible exploitation of Citrullus colocynthis L. (SCHRAD.) extracts against Aspergillus flavus and aflatoxins and other stories
  - **Francesca Degola**<sup>1</sup>, M. Refifà<sup>1</sup>, B. Marzouk<sup>2</sup>, M. Commisso<sup>3</sup>, S. Montalbano<sup>4</sup> and A. Buschini<sup>1,4</sup> <sup>1</sup>Department of Chemistry, Life Science and Environmental Sustainability, University of Parma, Italy; <sup>2</sup>Laboratory of Chemical, Galenic and Pharmacological Development of Drugs, University of Monastir, Tunisia; <sup>3</sup>Department of Biotechnology, University of Verona, Italy; <sup>4</sup>Interdepartmental Centre for Molecular and Translational Oncology, University of Parma, Italy
- P72 Biocontrol activity of antagonistic yeasts against Penicillium expansum major patulin producer in apples

**Tatjana Dudaš**, D. Budakov, M. Loc, M. Grahovac and V. Stojšin University of Novi Sad, Faculty of Agriculture, Department of Plant and Environmental Protection, Faculty of Agriculture, University of Novi Sad, Serbia

P73 Pydiflumetofen co-formulated with prothioconazole: a novel fungicide for Fusarium head blight and deoxynivalenol control

Simon G. Edwards

Harper Adams University, UK

- P74 Microbial modulation in wheat disease: mitigating the climate change impact of water scarcity using artificial intelligence
  - C. Polano<sup>1</sup>, I. Sanseverino<sup>2</sup>, L. Gomez Cortes<sup>2</sup>, A. Navarro Cuenca<sup>2</sup>, S. Sarrocco<sup>3</sup>, R. Baroncelli<sup>4</sup>, P. Ermacora<sup>1</sup>, **Monica Ermolli**<sup>2</sup>, G. Firrao<sup>1</sup> and T. Lettieri<sup>2</sup>
    <sup>1</sup>Department of Agricultural, Food, Environmental and Animal Sciences, University of Udine, Italy; <sup>2</sup>European Commission, DG Joint Research Centre, Italy; <sup>3</sup>Department of Agriculture, Food and Environment, University of Pisa, Italy; <sup>4</sup>Department of Agricultural and Food Sciences, University of Bologna, Italy
- P75 A rapid multiwell test to assay the effect of natural metabolites on growth and mycotoxin production of Aspergillus flavus

Rosita Silvana Fratini<sup>1</sup>, M. Beccaccioli<sup>1</sup>, V. Cecchetti<sup>1</sup>, R. Ragno<sup>2</sup> and M. Reverberi<sup>1</sup> Department of Environmental Biology, Sapienza University of Rome, Italy; <sup>2</sup>Department of Chemistry and Pharmacy, University of Rome La Sapienza, Italy

- P76 Culture conditions for the enrichment of Fusarium spp. inoculum in food matrices

  Jéssica Gil-Serna, C. Melguizo, C. Vázquez and B. Patiño

  Department of Genetics, Physiology and Microbiology, Complutense University of Madrid, Spain
- P77 The effect of fungi co-occurrence on plant and fungal gene expression profiles and mycotoxin production in maize kernels and in vitro

Paola Giorni<sup>1</sup>, A. Lanubile<sup>1</sup>, T. Bertuzzi<sup>2</sup>, A. Marocco<sup>1</sup> and P. Battilani<sup>1</sup>

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Department of Animal Science, Food and Nutrition, Università Cattolica del Sacro Cuore, Italy

- P78 Gene editing of Aspergillus niger CBS 513.88 using a CRISPR-Cas9 based system Carolina Gómez-Albarrán, B. Patiño, C. Vázquez and J. Gil-Serna Department of Genetics, Physiology and Microbiology, Faculty of Biology, Complutense University of Madrid, Spain
- P79 In-depth study of mycotoxin accumulation in relation to anthocyanin composition in pigmented wheat

**Marco Gozzi**, M. Blandino, L. Calani, L. Righetti, C. Dall'Asta and R. Bruni <sup>1</sup>Department of Food and Drug, University of Parma, Italy; <sup>2</sup>Department of Agricultural, Forest and Food Sciences, University of Turin, Italy

- P80 Fungal growth and mycotoxin production in a new formulated meat product with structured emulsions as substitutes for pork rigid fat
  - **Ana Guimarães**<sup>1,2</sup>, A.J. Martins<sup>3</sup>, M.A. Cerqueira<sup>3</sup>, L. M. Pastrana<sup>3</sup>, P. Sousa<sup>4</sup> and A. Venâncio<sup>1,2</sup>
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- P81 The ability of cyclopiazonic acid production expressed by surface moulds isolated from dry cured meat products
  - **Tina Lešić**<sup>1</sup>, M. Zadravec<sup>2</sup>, A. Vulić<sup>1</sup>, N. Vahčić<sup>3</sup>, N. Kudumija<sup>1</sup>, I. Perković<sup>4</sup> and J. Pleadin<sup>1</sup> Croatian Veterinary Institute, Laboratory for Analytical Chemistry, Croatia; <sup>2</sup>Croatian Veterinary Institute, Laboratory for Feed Microbiology, Croatia; <sup>3</sup>University of Zagreb, Faculty of Food Technology and Biotechnology, Croatia; <sup>4</sup>Croatian Veterinary Institute, Veterinary Institute Vinkovci, Croatia
- P82 Antifungal activity of lemon peel medium fermented by lactic acid bacteria isolated from citrus fruits and metabolomic profile of citrus contaminating mycotoxigenic fungi

  Carlos Luz, L. Escrivá, C. Lafuente, M. Vitali, J. Quiles, J. Calpe, V. Dopazo, F. Illueca,
  B. Merenciano and G. Meca
  Laboratory of Food Chemistry and Toxicology, Faculty of Pharmacy, University of Valencia,
  Spain
- P83 Ecology and control of Aspergillus flavus and aflatoxin B1 in chilli powder and whole red chillies D. Al-Jaza, A. Medina and **Naresh Magan**Applied Mycology Group, Environment and AgriFood Theme, Cranfield University, UK
- P84 Climate change and acclimatization of Apergillus flavus strains influenced colonisation, biosynthetic gene expression and aflatoxin B1 production by A. flavus in raw pistachio nuts A. Baazeem<sup>1</sup>, A. Rodriguez<sup>2</sup>, A. Medina<sup>3</sup> and **Naresh Magan**<sup>3</sup>

  ¹Department of Biology, College of Science, Taif University, Saudi Arabia; ²Department of Animal Science and Food Production, University of Extramadura, Spain; ³Applied Mycology Group, Environment and AgriFood Theme, Cranfield University, UK
- P85 Hanseniaspora uvarum as biocontrol agent against Aspergillus flavus
  Clara Melguizo, J. Gil-Serna, C. Vázquez and B. Patiño
  Department of Genetics, Physiology and Microbiology, Faculty of Biology, Complutense
  University of Madrid, Spain
- P86 Antagonistic properties of selected Trichoderma fungi against Fusarium species biosynthesizing fumonisins and beauvericin

Marta Modrzewska and M. Bryła

Institute of Agricultural and Food Biotechnology - State Research Institute, Poland

- P87 Industrial manufacturing of aflatoxin biocontrol products allows farmers across Sub-Saharan Africa to produce safe crops
  - L. Kaptoge<sup>1</sup>, **Alejandro Ortega-Beltran**<sup>1</sup>, J. Atehnkeng<sup>1,2</sup>, P.J. Cotty<sup>3,4</sup> and R. Bandyopadhyay<sup>1</sup> International Institute of Tropical Agriculture, Nigeria; <sup>2</sup>International Institute of Tropical Agriculture, Democratic Republic of Congo; <sup>3</sup>U.S. Department of Agriculture, Agricultural Research Service, USA; <sup>4</sup>School of Food Science and Engineering, Ocean University of China, China
- P88 Biocontrol of Aspergillus flavus and aflatoxin production with ecological vineyard isolated bacteria
  - P. de la Huerta Bengoechea, J. Gil-Serna, C. Vázquez Estévez and **Belén Patiño Álvarez** Department of Genetics, Physiology and Microbiology, Faculty of Biology, Complutense University of Madrid, Spain

- P89 Looking inside the maize/aflatoxin interplay: the effect of afaltoxin B1 interaction with maize plants in vitro unravelled
  - F. Degola<sup>1</sup>, Enrico Rolli<sup>1</sup>, L. Righetti<sup>2</sup> and C. Dall'Asta<sup>2</sup>
  - <sup>1</sup>Department of Chemistry, Life Science and Environmental Sustainability, University of Parma, Italy; <sup>2</sup>Department of Food and Drug, University of Parma, Italy
- Combination of propidium monoazide (PMA) with real-time PCR and recombinase polymerase amplification coupled with SYBR Green I for the detection of patulin-producing fungi in apples and by-products
  - Foteini Roumani<sup>1, 2</sup>, J. Barros-Velázquez<sup>2</sup>, A. Garrido-Maestu<sup>1</sup> and M. Prado<sup>1</sup> <sup>1</sup>International Iberian Nanotechnology Laboratory, Food Quality and Safety Research Group, Portugal; <sup>2</sup>Department of Analytical Chemistry, Nutrition and Food Science, University of Santiago de Compostela, Spain
- P91 The role of maize kernels lipophilic antioxidants in resistance against Fusarium graminearum Jean-Marie Savignac<sup>1</sup>, F. Richard-Forget<sup>2</sup>, V. Ortega<sup>1</sup>, V. Atanasova<sup>2</sup> and M.N. Verdal-Bonnin<sup>2</sup> <sup>1</sup>Syngenta Seeds, France: <sup>2</sup>INRAE, UR1264, Mycology and Food Safety (MycSA), France
- Effect of water activity and temperature on growth and trichothecene production by Fusarium cerealis isolated from durum wheat grains J. Erazo, S. Palacios, A. Del Canto, S. Plem, M.L. Ramírez and Adriana M. Torres
  - Research Institute on Mycology and Mycotoxicology, National Scientific and Technical Research Council - Universidad Nacional de Rio Cuarto, Argentina

## P93 - P115 **SAMPLING AND ANALYSIS**

- Sensitive and accurate quantitative determination of aflatoxin M1 in milk from different species Francesca Bravin<sup>1</sup>, A. Revello Chion<sup>2</sup>, D. Giordano<sup>2</sup>, F. Cavarero<sup>2</sup>, R. Baudino<sup>2</sup> and F. Diana<sup>1</sup> <sup>1</sup>Eurofins Tecna Srl., Italy; <sup>2</sup>Associazione Regionale Allevatori Piemonte, Italy
- P94 Validation of aflatoxin M1 fluorescence quantitative rapid test for milk (15-150 ppt) for determination of aflatoxin M1 in milk
  - W. Reybroeck, S. Ooghe and K. Broekaert
  - Research institute for Agriculture, Fisheries and Food, Belgium
- P95 The effects of grind and extraction size on result variability for aflatoxin, deoxynivalenol, fumonisin and zearalenone
  - J. Bierbaum, Julie Brunkhorst and R. Niemeijer
  - Trilogy Analytical Laboratory, USA
- How green are the sample preparations commonly used in multi-mycotoxin analysis? Laura Carbonell-Rozas<sup>1</sup>, L. Van der Cruyssen<sup>2</sup>, L. Righetti<sup>1</sup> and C. Dall'Asta<sup>1</sup> <sup>1</sup>Department of Food and Drug, University of Parma, Italy; <sup>2</sup>Department of Bioanalysis, University of Ghent, Belgium
- Multi-mycotoxin determination in apple puree samples by hplc-ms/ms Laura Carbonell-Rozas<sup>1</sup>, L. Van der Cruyssen<sup>2</sup>, L. Calani<sup>1</sup>, L. Righetti<sup>1</sup> and C. Dall'Asta<sup>1</sup> <sup>1</sup>Department of Food and Drug, University of Parma, Italy; <sup>2</sup>Department of Bioanalysis, University of Ghent, Belgium
- Beer analysis: mycotoxins in brewing process by LC-MS/MS D. Rodrigo, A. Cantalapiedra and Luís Gallego Chromatography Department, Analiza Calidad Madrid S.L., Analiza Calidad Group, Spain
- P99 The design, development and implementation of an LC-MS method as a 'toxicity alert system' in the animal feed sector
  - Brett Greer, O. Kolawole, S. Haughey and C. Elliott Institute for Global Food Security, Queen's University Belfast, UK

- P100 A new immunoaffinity column with high recovery and organic solvent tolerance for aflatoxins **Jianmin Liu**, J. Yu and L. Chen VICAM Waters Corporation, USA
- P101 Exploiting hyperspectral imaging and chemometrics for the rapid on-site measurement of aflatoxin in chillies
  - **Natasha Logan**, O. Kolawole, B. Greer, S.A. Haughey, J. Meneely and C.T. Elliott Institute for Global Food Security, School of Biological Science, Queen's University Belfast, UK
- P102 Analysis of aflatoxin and ochratoxin in vegan food products
  C. Mair, M. Norris, E. Marley, B. Houston, C. Milligan and **Elizabeth Manning**R-Biopharm Rhône, UK
- P103 Acetonitrile extraction for the analysis of multi-toxins in animal feeds
  C. Mair, N. Mackay, J. Wilcox, E. Marley, C. Milligan and **Elizabeth Manning**R-Biopharm Rhône, UK
- P104 Assessment of citrinin in spices and infant cereals using immunoaffinity column clean-up prior to HPLC-FLD
  - C. Mair, M. Norris, C. Milligan, C. Donnelly, D. Leeman, P. Brown, E. Marley and **Elizabeth Manning** R-Biopharm Rhône, UK
- P105 Improving efficiency and analytical outcomes for the busy laboratory using the chronect symbiosis rida®crest robotic system for automated analysis of mycotoxins
  J. McGeehan, N. MacKay, E. Marley, C. Donnelly and Elizabeth Manning
  R-Biopharm Rhône, UK
- P106 Analysis of aflatoxin and ochratoxin in cheese using immunoaffinity clean-up prior to FLD-HPLC detection
  - G. Millar, P. Brown, M. Norris, J. Wilcox, E. Marley, B. Houston, C. Milligan and **Elizabeth Manning**
  - R-Biopharm Rhône, UK
- P107 Withdrawn by author.
- P108 Molecularly imprinted polymers applied to the simultaneous coextraction of zearalenone and alternariol mycotoxins from oil samples
  - **Tamara Moya-Cavas**<sup>1</sup>, F. Navarro-Villoslada<sup>1</sup>, J. Urraca<sup>1</sup>, L.A. Serrano-González<sup>2</sup> and M.C. Moreno-Bondi<sup>1</sup>
  - <sup>1</sup>Department of Analytical Chemistry, Complutense University of Madrid, Spain; <sup>2</sup>Department of Organic Chemistry, Complutense University of Madrid, Spain
- P109 Comparative analysis of aflatoxins in dairy feeds by high-performance liquid chromatography with a fluorescence detector and liquid chromatography/tandem mass spectrometry

  Nancy Nleya<sup>1,2</sup>, T.I. Ekwomadu<sup>1</sup>, M. Sulyok<sup>3</sup>, T.A. Dada<sup>1</sup>, N. Lubanza<sup>1</sup> and M. Mwanza<sup>1</sup>

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- P110 OTA via 2D-LC-MS/MS: an elegant alternative for high-throughput ochratoxin A analysis Christina Pille<sup>1</sup>, M. Reichel<sup>1</sup>, N. Meyer<sup>1</sup>, A. Dagane<sup>1</sup>, F. Nack<sup>1</sup>, K.Krampe<sup>1,2</sup> and J.S. Mänz<sup>1</sup> <sup>1</sup>Eurofins WEJ Contaminants, Germany; <sup>2</sup>Institute of Food Chemistry Hamburg, University of Hamburg, Germany
- P111 Z-scores arrow range (ZSAR) method assessment of truncated mycotoxins values in proficiency testing

**Kees van Putten** 

Trilogy Europe B.V., the Netherlands

- P112 Prevalence of patulin in fruit juices and baby foods as determined by a novel ELISA **Guilar Rosar**, T. Glaze, F. Rubio and G. Yearwood Eurofins Tecna Srl., Italy
- P113 Macroeconomic evaluation of mycotoxins and nutritional composition in stored maize through NIRS

**Denize Tyska**<sup>1,2</sup>, A.O. Mallmann<sup>2</sup>, C.T. Simões<sup>1</sup>, D.F. Soares<sup>1</sup>, G. Prado da Rosa<sup>1</sup>, J.K. Vidal<sup>1</sup>, L.T. Gressler<sup>3</sup>, E. da Silva Gubiani<sup>1</sup> and C.A. Mallmann<sup>1</sup>

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P114 Extraction of small molecule analytes from a dried blood spot card matrix for stable and amenable toxicological analysis

P.A. Kirkland, U. Fox and **Alexandros Yiannikouris** Alltech Inc., USA

P115 Evidence biochip technology – a multi-analyte semi-quantitative analysis for 6 main groups of mycotoxins in maize

M. Plotan, C.A. Acaru, J. McNaughten, **Esin Yildiz**, J. Porter, S. Brockbank, R.I. McConnell and S.P. FitzGerald

Randox Food Diagnostics, UK

## P116 – P119 CAPACITY BUILDING

P116 FoodSafety4EU: a step towards improved engagement, cooperation, and transparency in the European Food Safety System

**Frederic Bayer**<sup>1</sup>, V.M.T. Lattanzio<sup>2</sup>, N. Cito<sup>2</sup>, B. Ciasca<sup>2</sup> and A.F. Logrieco<sup>2</sup>
<sup>1</sup>EU-FORA 2021/2022 based in National Research Council of Italy, Institute of Sciences of Food Production, Italy; <sup>2</sup>National Research Council of Italy, Institute of Sciences of Food Production, Italy

P117 MycoTWIN – enhancing research and innovation capacity of tubitak mrc food institute on management

**Martina Loi**<sup>1</sup>, A.F. Logrieco<sup>1</sup>, J. Calpe<sup>2</sup>, G. Meca<sup>2</sup>, C.P. Kodolbas<sup>3</sup> and H. Ozer<sup>3</sup>

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P118 Implementation of the net-map analysis tool to unravel the science-policy-society collaboration system in mycotoxin risk analysis

**Celine Meerpoel**<sup>1</sup>, N. van der Linden<sup>2</sup>, V.M.T Lattanzio<sup>3</sup>, N.M. Cito<sup>3</sup>, M. Tomaniova<sup>4</sup>, S. De Saeger<sup>1</sup> and P.A. Luning<sup>2</sup>

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P119 Five years of MYTOX-SOUTH®: achievements of a global partnership

Celine Meerpoel<sup>1</sup>, C. Lachat<sup>2</sup>, M. De Boevre<sup>1</sup> and S. De Saeger<sup>1</sup>

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