

Table of poster

Toxigenic Fungi

- P1 Fungi isolated from Indonesian tempeh production capable of zearalenone conjugation**
Antje Borzekowski, Maryeni Auliyati, Riyan Anggriawan, Hans-Jörg Kunte, Sascha Rohn, Matthias Koch, Petr Karlovsky, Ronald Maul
- P2 New genotypes of aflatoxin-producing fungi from Egypt and the Philippines**
Taha Hussien, Hassan Amra, Yousef Y Sultan, Naresh Magan, Ana Liza Carlobos-Lopez, Christian Joseph R. Cumagun and Tapani Yli-Mattila
- P3 Structure elucidation of the ergochrome gene cluster in the plant pathogenic fungus *Claviceps purpurea***
Friederike Lünne, Eva-Maria Niehaus, Svetlana A. Kalinina, Hans-Ulrich Humpf
- P4 Production, isolation and necrotrophic activity of *Parastagnospora nodorum* proteinaceous toxin Tox5**
Piotr Ochodzki, Jakub Walczewski, Edward Arseniuk

Occurrence in food and feed

- P5 *Fusarium*-toxins occurrence in roughages**
Jurgita Jovaišienė, Bronius Bakutis, Violeta Baliukonienė, Gediminas Gerulis, Gabrielė Židonytė, Rimvydas Falkauskas
- P6 Patulin, trace elements and micronutrients in dried fruits and inflorescences of hawthorn (*Crataegus* spp.) used as components of cardiotoxic dietary supplements for hypertensive subjects**
Grzegorz Bazylak, Magdalena Twarużek, Robert Kosicki, Iwona Ałtyn, Jan Grajewski, Anna Gryn-Rynko, Anna Przybylska, Marcin Siepak
- P7 Occurrence of *Fusarium* mycotoxins in grain of different cereal species**
Edyta Boguszewska, Grażyna Podolska
- P8 Occurrence of field and storage mycotoxins in Poland from years 2013 – 2016**
Julia Laurain, Eric Marengue, Piotr Cierpiński
- P9 The mycological and mycotoxicological status of GEM silages and CCM silages made with biological additives**
Piotr Dorszewski, Magdalena Twarużek, Robert Kosicki, Anna Wenda-Piesik, Monika Jankowska, Jan Grajewski
- P10 Alternariol and alternariol-like compounds in silage**
Carina Kewes-Brück, Richard Dietrich, Erwin Märthlbauer, Horst Klaffke, Madeleine Gross, Ewald Usleber

- P11 Production of deoxynivalenol, T-2 toxin and zearalenone by *Fusarium* spp. isolated from wild rose seeds**
Madeleine Gross, Julia I. Bauer, Volker Wissemann
- P12 Surveillance of aflatoxin content in dairy cow feedstuff and milk from Aragón (Spain)**
Noemí Bervis, Susana Lorán, Juan José Carramiñana, Teresa Juan, Antonio Herrera, Agustín Ariño, Marta Herrera
- P13 Mycotoxins in feeds – test methods, result interpretation, conformity assessment**
Waldemar Korol, Jolanta Rubaj, Grażyna Bielecka
- P14 Mycotoxins in milk for puppies/kittens. A risk to a special consumer?**
Marta Piątkowska, Piotr Jedziniak, Katarzyna Pietruszka, Michael Sulyok, Rudolf Krska
- P15 Feed contamination with ochratoxin A and its residues in food of animal origin in Poland in the years 2014 – 2016**
Katarzyna Pietruszka, Olga Burek, Piotr Jedziniak, Marta Piątkowska
- P16 Contamination with *Fusarium* mycotoxins in triticale depending on cultivar**
Grażyna Podolska, Edyta Boguszewska
- P17 Sharing food safety data – EPIBAZA**
Jacek Postupolski, Andrzej Starski
- P18 Changes in the mycotoxin contaminations from grain to wheat bread or cornflakes**
Sara Schaarschmidt, Monika Lahrssen-Wiederholt, Carsten Fauhl-Hassek
- P19 Baby food safety from the perspective of mycotoxin occurrence**
Petra Slavikova, Zbynek Dzuman, Zdenka Veprikova, Alena Zachariasova, Milena Stranska-Zachariasova, Jana Hajslova
- P20 Occurrence of citrinin in food in Poland**
Andrzej Starski, Jolanta Krupińska-Jaworska, Ewa Ledzion, Małgorzata Szczęsna, Jacek Postupolski
- P21 Patulin in hawthorn**
Magdalena Twarużek, Robert Kosicki, Iwona Ałtyn, Ewelina Soszczyńska, Jan Grajewski
- P22 Mycotoxins and moulds contamination of dietary fiber**
Magdalena Twarużek, Robert Kosicki, Iwona Ałtyn, Ewelina Soszczyńska, Jan Grajewski
- P23 Mycotoxins occurrence in feedstuffs, cereal grains, maize and silage in 2015-2016**
Magdalena Twarużek, Robert Kosicki, Ewelina Soszczyńska, Katarzyna Kuźmińska, Justyna Kwiatkowska, Josef Böhm, Jan Grajewski
- P24 Mycotoxin occurrence in spices originating from Thailand**
Zdenka Veprikova, Zbynek Dzuman, Petra Slavikova, Jana Hajslova, Milena Stranska-Zachariasova

- P25 Portuguese coffee – Is there a concern regarding mycotoxins contamination?**
Susana Viegas, Carla Viegas, Ana Cebola de Oliveira, Magdalena Twarużek, Robert Kosicki, Jan Grajewski
- P26 Occurrence of beauvericin and enniatins in maize kernels inoculated with *Fusarium temperatum***
Marcin Wit, Piotr Ochodzki, Roman Warzecha, Iga Grzeszczak, Monika Żurek, Emilia Jabłońska, Ewa Mirzwa-Mróż, Józef Adamczyk, Zdzisław Wolf, Wojciech Wakuliński
- P27 The effect of different grinding methods on *Fusarium graminearum* DNA and DON levels and the correlation between them**
Tapani Yli-Mattila, Sari Rämö, Taha Hussien, Marion Rauvola, Veli Hietaniemi, Jukka Kaitaranta

Environmental influences on mycotoxin production

- P28 Humidity on mycotoxin synthesis: can water content of grain be modelled by artificial media with high concentrations of solutes?**
Vincent Ayugi, Katharina Pfohl, Petr Karlovsky
- P29 Management of aflatoxin crop contamination. Development of innovative defense technologies to increase environmental sustainability of seed corn production: a new Italian project**
Giorgio Spadola, Francesca Degola, Francesco M. Restivo

Modified mycotoxins and degradation

- P30 Enzymatic degradation of zearalenone in animal nutrition**
Markus Aleschko, Sebastian Fruhauf, Michaela Thamhesl, Manuela Killinger, Andreas Höbartner, Patricia Fajtl, Elisavet Kunz-Vekiru, Heidi E. Schwartz-Zimmermann, Rudolf Krska, Franz Berthiller, Gerd Schatzmayr, Wulf-Dieter Moll
- P31 Efficacy of an algo-clay complex on decreasing mycotoxin liver toxicity on broilers**
Maria Angeles Rodriguez, Julia Laurain, Maria Garcia Suarez, Piotr Cierpiński
- P32 Structure modification of a thiosemicarbazone derived compound increases its anti aflatoxigenic activity and give insights on the mechanisms controlling toxin accumulation**
Francesca Degola, Laura Marchi, Giorgio Spadola, Giorgio Pelosi, Tiziana Lodi, Franco Bisceglie, Francesco M. Restivo
- P33 Enzymatic degradation of fumonisins in maize silage by fumonisin esterase FumD**
Doris Hartinger, Karin Schoendorfer, Silvia Labudova, Barbara Doupovec, Christiane Gruber-Dorninger, Franz Waxenecker and Dian Schatzmayr

- P34 Antifungal activity of *Debaryomyces hansenii* killer yeasts against *Fusarium* sp.**
Monika Grzegorzcyk, Gerlinde Wiesenberger, Barbara Żarowska, Gerhard Adam
- P35 Use of a classifier to assess relative performance of toxin Binders and the need to use MULTITOXIN BINDERS in the Emena region**
Ellen Nobels, Nicola Tallarico, Anton Cherkashin, Erwin Witters
- P36 Adsorption of ochratoxin A by *Saccharomyces cerevisiae* cell wall derivatives**
Małgorzata Piotrowska, Anna Masek
- P37 Prevention of mycotoxin absorption by piglets using a mycotoxin binder – *in vivo* toxicokinetic study**
Natasja Smeets, Nicola Tallarico, Amelie Catteuw, Elke Gasthuys, Mathias Devreese, Siska Croubels
- P38 A comprehensive understanding of deoxynivalenol detoxification through epimerization by *Devosia mutans* 17-2-E-8**
Ting Zhou

Analytics

- P39 Development of an UPLC-MS/MS and UPLC-HR-MS method for the determination of fumonisin B1 and its hydrolyzed metabolites in chicken plasma**
Siegrid De Baere, Siska Croubels, Barbara Novak, Gerlinde Bichl, Gunther Antonissen
- P40 Development and validation of an UPLC-MS/MS multi-method for the quantitative analysis of important mycotoxins in rumen fluid**
 Sandra Debevere, Siegrid De Baere, Geert Haesaert, Veerle Fievez, Siska Croubels
- P41 An anti-idiotypic antibody-based immunoassay for the detection of aflatoxins**
Richard Dietrich, Laura Gayk and Erwin Märthlbauer
- P42 Production and characterization of certified reference materials – Technical Requirements and Challenges**
Irene Hahn
- P43 Simple extraction or immunoaffinity clean-up? Choosing the best sample preparation in multi-mycotoxin analysis in animal feed by UHPLC-MS/MS**
Piotr Jedziniak, Łukasz Panasiuk, Katarzyna Pietruszka, Marta Piątkowska
- P44 Development and validation of HPLC-MS/MS method for determination of aflatoxin biomarkers in freeze-dried ileal and cloacal content and chicken excreta**
Nada Jurišić, Heidi Elisabeth Schwartz-Zimmermann, Elisavet Kunz-Vekiru, Dian Schatzmayr, Dieter Moll, Wolfgang Schweiger, Justin Fowler, Franz Berthiller

- P45 Coupling of electrochemistry with LC/MS for generation and identification of mycotoxin oxidation products**
Julia Keller, Hajo Haase, Matthias Koch
- P46 Biotechnological synthesis of deoxynivalenol-3-glucoside and its fully labeled ¹³C analogue with heterologously expressed enzymes and their analytical application in a stable isotope dilution assay**
Lilian Kuster, Franz Berthiller, Herbert Michlmayr, Alexandra Malachova, Iris Fiby, Gerhard Adam
- P47 „Quantitative screening” method for mycotoxin analysis**
Ronald Maul, Sabine Kemmlein, Arnold Bahlmann
- P48 Mycotoxins can contaminate feedingstuff – advances in detection, measurement and control**
Monika Michel
- P49 Official testing of mycotoxins in cereal grains**
Anna Nowacka, Michał Raczkowski, Bogusław Gnusowski, Agnieszka Hołodyńska-Kulas
- P50 Fungal Proteomics - Meeting the DeNovo Challenge by a Combination of Peptide Derivatisation and nano LC-MALDI-TOF/TOF**
Katharina Nöbauer, Karin Hummel, Ebrahim Razzazi-Fazeli
- P51 *In vivo* and *in vitro* toxigenicity testing of *Penicillium expansum* strains isolated from grapes by UPLC-MS/MS**
Vladimir Ostry, Martina Cumova, Frantisek Malir, Veronika Kyrova, Marketa Pospichalova, Marie Jefremova, Jiri Ruprich
- P52 Molecular detection and characterization of *Penicillium expansum* strains isolated from grapes by PCR method**
Veronika Kyrova, Vladimir Ostry, Frantisek Malir, Pavla Surmanova, Martina Cumova, Marketa Pospichalova, Marie Jefremova, Jiri Ruprich
- P53 Deoxynivalenol and its derivatives– development of the UHPLC-MS/MS method and preliminary results of presence in animal feed**
Łukasz Panasiuk, Piotr Jedziniak
- P54 An integrated ToolBox for Mycotoxin management for safer food and feed: The MyToolBox approach**
Birgit Poschmaier, Monique de Nijs, Rudolf Krska
- P55 Development of a multi-method for determination of mycotoxins in cereal grains using LC–MS/MS detection**
Michał Raczkowski, Anna Nowacka, Bogusław Gnusowski, Agnieszka Hołodyńska-Kulas

- P56 Development of a new method for aflatoxin M1 detection in milk and milk products: challenge of global harmonization, sample variability and validation**
Mareike Reichel, Simone Staiger, Jan Sebastian Mänz, Robert Gatermann
- P57 AuNPET SALDI-ToF-MS – modern approach for analysis of metabolome profiles including secondary metabolites produced by moulds on building materials**
Justyna Szulc, Tomasz Ruman, Beata Gutarowska
- P58 Development of metrological tool for emerging and regulated mycotoxins analyses**
Emmanuel K. Tangni, Philippe Debongnie, Bart Huybrechts, François Van Hove, Alfons Callebaut
- P59 Isolation and characterization of new rearrangement products of NX-toxins lacking the epoxide**
Elisabeth Varga, Gerlinde Wiesenberger, Krisztian Twaruschek, Marta Vaclaviková, Alexandra Malachová, Christian Hametner, Gerhard Adam, Franz Berthiller
- P60 A Rapid Lateral Flow Quantitative Test for Measuring Aflatoxin M1 in Milk**
Elise Palmer, Lingyun Chen, Jianmin Liu

Human and Animal Health

- P61 Effect of fumonisin toxicosis on rats**
Ihor Kotsyumbas, Oksana Brezvyň, Galyna Rudyk, Bohdan Gutyj, Zoryana Guta, Nataliya Levkivska
- P62 Mycotoxin – induced apoptosis in swine kidney epithelial cells**
Agnieszka Chrustek, Magdalena Twarużek, Ewa Zastempowska, Jan Grajewski
- P63 The effect of *Penicillium expansum* and *Botrytis cinerea* on the embryonic development of *Ascaris suum***
Kinga Mazurkiewicz-Zapałowicz, Lidia Kołodziejczyk, Magdalena Twarużek, Jan Grajewski, Aleksandra Goliānek, Ewa Dzika, Bogumiła Pilarczyk
- P64 Different approaches for finding potential biomarkers of effects of zearalenone in prepubertal gilts**
Bertrand Grenier, Roger Berrios, Alexander Lutz, Gerd Schatzmayr, Wulf-Dieter Moll, Michaela Thamhesl
- P65 Role of P-glycoprotein in DON-mediated in vitro toxicity**
Lada Ivanova, Christiane K. Fæste, Anita Solhaug
- P66 Mycotoxin Testing in Patients – An “Alternative Fact”?**
Eckardt Johanning, Manfred Gareis

- P67 Cytotoxic effect of aflatoxin B1, zearalenone and deoxynivalenol on different cells**
Jurgita Jovaišienė, Bronius Bakutis, Violeta Baliukonienė, Gediminas Gerulis, Gabrielė Židonytė, Rimvydas Falkauskas
- P68 Enniatins B and B1: Transport through the blood-brain barrier (BBB) and cytotoxicity in different cerebral cells**
Isabel Krug, Matthias Behrens, Hans-Ulrich Humpf
- P69 Biomarker analysis for Ochratoxin A in urines: Further evidence for the presence of OTA-conjugates**
Katherine Muñoz, Nurshad Ali, Gisela H. Degen
- P70 The influence of zearalenone on the reproduction of wild boars (*Sus scrofa* L.)**
Jakub Paľubicki, Robert Kosicki, Anna Błajet-Kosicka, Magdalena Twarużek, Jan Grajewski
- P71 Multi-mycotoxin effects on the regulation of the glutathione-redox system in broiler chicken**
Csilla Pelyhe, Benjámín Kövesi, Erika Zándoki, Miklós Mézes, Balázs Kovács, Krisztián Balogh
- P72 Multi-mycotoxin effects on the regulation of the glutathione-redox system in common carp (*Cyprinus carpio* L.)**
Csilla Pelyhe, Benjámín Kövesi, Erika Zándoki, Miklós Mézes, Krisztián Balogh, Balázs Kovács
- P73 Interaction of mycotoxins with human serum albumin**
Miklós Poór, Beatrix Gődér, Beáta Lemli, Sándor Kunsági-Máté, Tamás Kőszegi
- P74 Ochratoxin A and its thermal degradation product 2'R-ochratoxin A: Cytotoxicity, transport and uptake in renal cells**
Ulrike Rottkord, Benedikt Cramer, Hans-Ulrich Humpf
- P75 Impact of a single-dose administration of fumonisin and a fumonisin esterase additive on animal health and the sphinganine/sphingosine (Sa/So) ratio in pigs**
Hanna Schertz, Jeannette Kluess, Jana Frahm, Dian Schatzmayr, Ilse Dohnal, Heidi Schwartz-Zimmermann, Gerlinde Bichl, Gerhard Breves, Sven Dänicke
- P76 The thermal Ochratoxin A isomerization product 2'R-Ochratoxin A: Occurrence, metabolism and accumulation in human blood**
Franziska Sueck, Vanessa Hemp, Benedikt Cramer, Hans-Ulrich Humpf
- P77 Determination of ochratoxin A, citrinin and aflatoxin M1 in urine from patients with a renal cell carcinoma and urinary tract cancer**
Jakub Toman, Miroslav Louda, Frantisek Malir, Vladimír Ostry, Nurshad Ali, Jana Nevrla, Tomas Roubal, Jaroslav Pacovsky, Milos Brodak, Gisela H. Degen, Annie Pfohl-Leszkowicz

- P78 Sodium sulfite treatment of *Fusarium* (FUS) contaminated maize and its impact on cellular function of granulocytes and peripheral blood mononuclear cells (PBMC) in a porcine LPS-challenge model**
Anh Tuan Tran, Jeannette Kluess, Jana Frahm, Susanne Kersten, Marleen Paulick, Andreas Berk, Dian Schatzmayr, Sven Dänicke
- P79 Mutagenicity and genotoxicity of *Alternaria* mycotoxins in mammalian cells**
Nadin Wedler, Barbara Koch, Ay-Lin Miller, Gregor Nemecek, Joachim Podlech, Andrea Hartwig
- P80 The transfer of the *Fusarium* toxins zearalenone (ZEN) and deoxynivalenol (DON) and their metabolites from blood to milk of mastitic-diseased dairy cows**
Janine Winkler, Jana Frahm, Sven Dänicke
- P81 Vasoactive effects of acute ergot exposure in sheep pedal artery**
Rossalin Yonpiam, Jair Gobbett, Ashock Jadhav, Kaushik Desai, Barry Blakley, Ahmad Al-Dissi