



14TH INTERNATIONAL CONFERENCE
**MYCOTOXINS
 AND MOULDS**
 14. Międzynarodowa Konferencja Naukowa
MIKOTOKSYNY I GRZYBY PLEŚNIOWE



19–20.06.2024
BYDGOSZCZ
www.mycotoxin.ukw.edu.pl



CONFERENCE PROGRAMME

Wednesday
 19. June 2024

- 08.00-09.00** **Registration / Coffee break**
- 09.00** **Welcome**
- 09.15-09.45** **(L)* Viegas C., Viegas S.**
H&TRC—Health & Technology Research Center, ESTeSL—Escola Superior de Tecnologia e Saúde, Instituto Politécnico de Lisboa, Lisbon, Portugal, NOVA National School of Public Health, Public Health Research Centre, Comprehensive Health Research Center, Lisbon, Portugal
 Climate change and the impact on fungi and mycotoxins
- 09.45-10.15** **(L)* Assunção R., Viegas S., Viegas C., Martins C.**
Egas Moniz Center for Interdisciplinary Research (CiiEM), Egas Moniz School of Health & Science, Almada, Portugal
 Greening the Plate: mycotoxin risks in sustainable food systems transition
- 10.15-10.45** **Coffee break**
- 10.45-11.15** **(L)* Pedroni L., Perugino F., Dall’Asta Ch., Galaverna G., Dellafiora L.**
Department of Food and Drug, University of Parma, Parma, Italy
 The bitter side of mycotoxins: a big data analysis spotlighting the interaction between trichothecenes and bitter receptors
- 11.15-11.25** **(S) Perugino F., Pedroni L., Galaverna G., Dall’Asta Ch., Dellafiora L.**
Department of Food and Drug, University of Parma, Parma, Italy
 A computational approach to investigate ochratoxin A toxicity from a molecular standpoint
- 11.25-11.45** **(L) Jedziniak P., Panasiuk Ł., Pietruszka K., Pośluszny M.**
Department of Pharmacology and Toxicology, National Veterinary Research Institute, Pulawy, Poland
 Exposure assessment of dogs and cats to mycotoxins in ingested food
- 11.45-12.15** **(L)* Cramer B., Veerkamp J., Kuhn M., Turner P., Kyei N., Smith L., Humpf H.U.**
University of Muenster, Institute of Food Chemistry, Münster, Germany
 Mycotoxin biomonitoring in humans: From exposure assessment to intervention studies
- 12.15-12.35** **(L) Nagl V., Streit B., Doupovec B., Segura-Wang M.**
dsm-firmenich, Animal Nutrition and Health R&D Center Tulln, Austria
 Advancements in mycotoxin biomarkers for livestock: potential and challenges



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- 12.35-12.45 (S) Niezbecki G.**
Prognosis Biotech Polska Sp. z o.o., Warsaw, Poland
 Mycotoxin analysis - expectations vs. reality
- 12.45-12.55 (S) Chodacki R.**
ENEO FM Company z o.o., Luszowice, Poland
 Sanfed product from Greece
- 12.55-13.30 Discussion**
- 13.30-14.30 Dinner**
- 14.30-15.00 Poster session**
- 15.00-15.30 (L) Grajewski J., Soszczyńska E., Skrzydlewski P., Kosicki R., Twarużek M.**
Kazimierz Wielki University, Faculty of Biological Sciences, Department of Physiology and Toxicology, Bydgoszcz, Poland
 Mycotoxins and moulds - a current problem of contamination of raw materials and animal feed
- 15.30-15.45 (S) Kleczewski D.**
Nutrex, Buk, Poland
 Endotoxins and mycotoxins - a double threat in animal production
- 15.45-15.55 (S) Raczkowski M., Zbytniewski R., Powierska-Czarny J., Czarny J., Chrostowska M., Czarny Z., Chmielarsk M., Garczyńska D., Przyjazna B., Piotrowska-Cyplik A., Cyplik P.**
Institute of Forensic Genetics Sp. z o.o., Bydgoszcz, Poland
 Fully automated protocol for determination of 13 natural cannabinoids and 14 mycotoxins in cannabis and hemp flowers by LC-MS/MS
- 15.55-16.15 (L) Ulrich S., Baschien Ch., Kosicki R., Twarużek M., Straubinger R., Ebel F.**
Chair of Bacteriology and Mycology, LMU Munich / Veterinary Faculty, Oberschleißheim, Germany
 The production of satratoxins by *Stachybotrys chartarum*
- 16.15-16.30 Discussion / Coffee break**
- 18.00 Departure to the Ostromecko Palace**
- 19.00 Gala dinner at the Ostromecko Palace**



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**Thursday
 20. June 2024**

- 09.30-10.00 (L)* Martins C.**
NOVA National School of Public Health, Public Health Research Centre, Comprehensive Health Research Center, University Lisbon, Portugal
 Burden of disease of aflatoxins – a tool for estimating the health impact attributable to exposure
- 10.00-10.30 (L)* Vettorazzi A., González-Peñas E.**
Department of Pharmaceutical Sciences, Research Group MITOX, School of Pharmacy and Nutrition, Universidad de Navarra, Pamplona, Spain
 The MultiMYCOtox project. Multiexposure and Combined Toxicity of Mycotoxins in Humans and Farm Animals: Toxicokinetic Characterization and Metabolism
- 10.30-11.00 Coffee break, poster session**
- 11.00-11.10 (D) Horky P.**
Addicoo Group s.r.o., Sumperk, Czechy
 Effect of complex mycotoxins adsorbent on pigs performance and health
- 11.10-11.20 (S) Pilarska G., Twarużek M.**
Kazimierz Wielki University, Faculty of Biological Sciences, Department of Physiology and Toxicology, Bydgoszcz, Poland
 Effects of mycotoxins OTA and ZEN on endocrine disruption in women
- 11.20-11.30 (S) Skrzydlewski P., Twarużek M.**
Kazimierz Wielki University, Faculty of Biological Sciences, Department of Physiology and Toxicology
 Zearalenone metabolism in animals
- 11.30-11.50 (L) Sinkiewicz-Darol E., Adamczyk I., Kaliszczak K., Skowron K., Grudlewska-Buda K., Twarużek M.**
Kazimierz Wielki University, Faculty of Biological Sciences, Department of Physiology and Toxicology
 Microbiological status of donor human milk
- 11.50-12.30 Discussion and conclusion of the conference**
- 12.30-13.30 Lunch**

* Interpreted lectures
 (L) – lecture
 (S) – short presentation



POSTER SESSION

- P1** *Dietary supplements based on *Epilobium parviflorum* as a source of mold and mycotoxins?*
Ałtyn I. Twarużek M.
Kazimierz Wielki University, Faculty of Biological Sciences, Department of Physiology and Toxicology, Bydgoszcz, Poland
- P2** *Dietary supplements based on dried plants as a source of mold and mycotoxins?*
Ałtyn I. Twarużek M.
Kazimierz Wielki University, Faculty of Biological Sciences, Department of Physiology and Toxicology, Bydgoszcz, Poland
- P3** *Evaluation of trichotecenes and other mycotoxins stability in sprouted wheatgrass*
Baliukonienė V., Buivydaite K., Jovaišienė J., Vaičiulienė G., Falkauskas R.
Lithuanian University of Health Sciences, Faculty of Veterinary Medicine, Department of Food Safety and Quality, Kaunas, Lithuania
- P4** *Antagonistic properties of *Trichoderma* against *Fusarium sporotrichioides* and their ability to glycosylate HT-2 and T-2 toxins*
Modrzewska M., Popowski D., Błaszczuk L., Stępień Ł., Urbaniak M., **Bryła M.,** Humpf H.U., Twarużek M.
Prof. Waclaw Dabrowski Institute of Agriculture and Food Biotechnology – State Research Institute, Department of Food Safety and Chemical Analysis, Warsaw, Poland
- P5** *Evaluation of the effect of a natural aluminosilicate from Greece on the absorption of major Mycotoxins found in the production of livestock feeds*
Chodacki G
ENEO FM Spółka z o.o., Luszowice, Poland
- P6** *FOXO3a participates in α -zearalenol and β -zearalenol induced modulation of migration and invasion in prostate cancer cells*
Habrowska-Górczyńska D.E., Kowalska K., Koziel M.J., Urbanek K.A., Piastowska-Ciesielska A.W.
Medical University of Lodz, Department of Cell Culture and Genomic Analysis, Lodz, Poland
- P7** *Fungi and mycotoxins prevalence in fresh tomatoes*
Jovaišienė J., Kameneckaitė V., Vaičiulienė G., Falkauskas R., Baliukonienė V.
Lithuanian University of Health Sciences, Faculty of Veterinary Medicine, Department of Food Safety and Quality, Kaunas, Lithuania
- P8** *Results of mycotoxins tests in selected feed*
Korol W., Rubaj J., Bielecka G., Kosicki R., Twarużek M., Grajewski J.
National Research Institute of Animal Production, National Laboratory for Feedingstuffs, Lublin, Poland
- P9** *Androgen receptor protects endometrial cancer cells against alternariol-induced toxicity*
Koziel M.J., Habrowska-Górczyńska D.E., Urbanek K.A., Piastowska-Ciesielska A.W., Kowalska K.
Medical University of Lodz, Department of Cell Culture and Genomic Analysis, Lodz, Poland



- P10** *Breast milk – synbiotic properties*
Łubiech K., Twarużek M., Sinkiewicz-Darol E., Martysiak-Żurowska D., Kusznierek B.
 Kazimierz Wielki University, Faculty of Biological Sciences, Department of Physiology and Toxicology, Bydgoszcz, Poland
- P11** *Mycotoxin and cytotoxicity analysis of airborne mold isolated from the Zoological Garden*
Plewa-Tutaj K., Twarużek M., Kosicki R., Soszczyńska E.
 Department of Microbial Ecology and Acarology, Faculty of Biological Sciences, University of Wrocław, Wrocław, Poland
- P12** *Aspergillus fumigatus prevalence on poultry farms: Health concerns in a climate change era*
Gomes B., Dias M., Cervantes R., Pena P., **Viegas C.**
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- P13** *Assessing occupational exposure to fungi in woodworking environments - the definition of the most suitable sampling method based on a score index*
Dias M., Gomes B., Pena P., Cervantes R., Carolino E., Viegas S., **Viegas C.**
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- P14** *First insights of Portuguese Primary schools' Fungal assessment – Is Indoor Air Quality legal framework suitable for this indoor setting?*
Pena P., Cervantes R., Gomes B., Dias M., Riesenberger B., Marques L., Sousa M., **Viegas C.**
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- P15** *Field assessment of Lamium album in reducing Fusarium infections and mycotoxins biosynthesis in winter wheat*
Waśkiewicz A., Uwineza P.A., Gwiazdowski R., Stępień Ł., Bryła M.
 Department of Chemistry, Poznań University of Life Sciences, Poznan, Poland
- P16** *Cytotoxicity and enterotoxin genes in Staphylococcus aureus bacteria isolated from cow milk*
Zastempowska E., Twarużek M., Lassa H., Grajewski J.
 Kazimierz Wielki University, Faculty of Biological Sciences, Department of Physiology and Toxicology, Bydgoszcz, Poland
- P17** *Inhibitory effect of Sorbus aucuparia extracts on the growth and mycotoxins biosynthesis of Fusarium proliferatum and Fusarium culmorum*
Ryszczewska S., Gumulak-Wołoszyn N., Urbaniak M., Waśkiewicz A., **Stępień Ł.**
 Plant-Pathogen Interaction Team, Institute of Plant Genetics, Polish Academy of Sciences, Poznań, Poland