



MIĘDZYNARODOWA KONFERENCJA NAUKOWA

# MIKOTOKSYNY I GRZYBY PLEŚNIOWE

| 18-20.05.2026 | BYDGOSZCZ |

## CONFERENCE PROGRAM

**Monday**

**18 May 2026**

- From 10:00** Registration of participants/coffee break
- 12:00-12:30** Opening of the conference
- 12:30-13:00** (L)\* **Mihalache O.**  
*INRAE, Oniris, LABERCA – Nantes, France*  
Dietary transitions and mycotoxin exposure: Trends and health impacts
- 13:00-13:10** (S)\* **Cervantes R., Pena P., Twarużek M., Kosicki R., Viegas S., Viegas C.**  
*NOVA National School of Public Health, Public Health Research Centre, Comprehensive Health Research Center, CHRC, NOVA University Lisbon, Lisbon, Portugal/H&TRC- Health & Technology Research Center, ESTeSL- Escola Superior de Tecnologia da Saúde, Instituto Politécnico de Lisboa, Lisbon, Portugal*  
Contamination Levels of Mycotoxins in European Schools: A Multinational Study within the InChildHealth Project
- 13:10-13:20** (S)\* **Pena P., Cervantes R., Twarużek M., Kosicki R., Viegas S., Viegas C.**  
*NOVA National School of Public Health, Public Health Research Centre, Comprehensive Health Research Center, CHRC, REAL, CCAL, NOVA University Lisbon, Portugal/H&TRC- Health & Technology Research Center, ESSL- Escola Superior de Saúde, Instituto Politécnico de Lisboa, Lisbon, Portugal*  
From Microbial Characterization to Mechanistic Dose-Response: Contributing an Integrated Framework in Waste Sorting Industry
- 13:20-13:40** (L) **Plewa-Tutaj K., Twarużek M., Kosicki R., Soszczyńska E.**  
*Department of Microbial Ecology and Acaroentomology, Faculty of Biological Sciences, University of Wrocław, Poland*  
Analysis of mycotoxins, cytotoxicity, and biodiversity of *Aspergillus* species isolated from the air of a Zoological Garden
- 13:40-13:50** Company Presentation
- 13:50-14:00** Discussion
- 14:00-15:00** Lunch
- 15:00-15:30** (L)\* **Martins C.**  
*NOVA National School of Public Health, Public Health Research Centre, Comprehensive Health Research Center, University Lisbon, Portugal*  
Climate change and exposure to mycotoxins: Implications for vulnerable populations
- 15:30-16:00** (L)\* **Moreira P., Oliveira M., Assunção R.**  
*Food and Nutrition Department, National Institute of Health Dr. Ricardo Jorge Lisbon, Portugal/Egas Moniz School of Health & Science, Almada, Portugal*  
Aflatoxins on the rise? Anticipating maize contamination risk in Iberia under a changing climate
- 16:00-16:20** Coffee break/Poster session
- 16:20-16:40** (L) **Kanabus J., Kycia K., Hamidi N., Bartłowska J., Bryła M.**



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*Prof. Waław Dąbrowski Institute of Agricultural and Food Biotechnology - State Research Institute, Department of Food Safety and Chemical Analysis, Warsaw, Poland*

*Geographical and Seasonal Occurrence of Aflatoxins M1 and M2 in Dairy Products*

16:40-16:50

**(S) Koper W., Rudnicka-Kucharska J.**

*Voivodeship Sanitary and Epidemiological Station in Bydgoszcz, Poland*

*Aflatoxin contamination of nuts and nut products in 2021-2025 in the research conducted by the WSSE in Bydgoszcz*

16:50-17:10

**SGS Company Presentation**

17:10-17:20

**R-Biopharm Company Presentation**

17:20-17:35

**Discussion**

19:00

**Conference dinner**

**Tuesday**

**19 May 2026**

09:00-09:30

**(L)\*Benito-Fuertes M., Rodríguez-Garraus A., Gascón-Corella S., Azqueta A., Lizarraga E., González-Peñas E., Vettorazzi A.**

*Department of Pharmaceutical Sciences, Research Group MITOX, School of Pharmacy and Nutrition, Universidad de Navarra, Pamplona, Spain*

*Building a Comprehensive Database for Emerging Mycotoxins: A Systematic Mapping of Genotoxicity and Mutagenicity Data*

09:30-09:40

**(S) Falkauskas R., Jovaišienė J., Jacevičius E., Baliukonienė V.**

*Lithuanian University of Health Sciences, Faculty of Veterinary Medicine, Department of Food Safety and Quality, Kaunas, Lithuania*

*Individual and combined cytotoxic effects of zearalenone metabolites ( $\alpha$ -zearalenol,  $\beta$ -zearalenol,  $\alpha$ -zearalanol,  $\beta$ -zearalanol, and zearalanone) on ovarian CHO-K1 cells *in vitro**

09:40-09:50

**(S) Tomaszewska Z., Rogulski Ł., Piechota-Polańczyk A.**

*Department of Cell Cultures and Genomic Analysis, Medical University of Lodz, Poland*

*Altered expression of tight junction proteins intestinal cells stimulated with zearalenone under inflammatory conditions*

09:50-10:00

**(S) Pilarska G., Twarużek M.**

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

*Zearalenone and ochratoxin A as potential endocrine disruptors in female reproduction*

10:00-10:10

**(S) Skrzydlewski P., Twarużek M.**

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

*Analysis of mycotoxins and cortisol levels in tissues of wild animals*

10:10-10:30

**Discussion**

10:30-11:00

**Coffee break/ Poster session**

11:00-11:30

**(L)\* Pedroni L., Perugino F., Dall'Asta Ch., Alvarez Erviti A.L., Mally A., Vettorazzi A., Dellafiora L.**

*University of Parma, Department of Food and Drug, Italy*

*Ochratoxin A and its possible role in Parkinson's Disease: a computational study spotlighting the potential mechanisms of action*

11:30-11:40

**(S) Wojtacki J., Twarużek M**



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*Voivodeship Sanitary and Epidemiological Station in Bydgoszcz, Poland / Kazimierz Wielki University, Faculty of Biological Sciences, Department of Physiology and Toxicology, Bydgoszcz, Poland*

Assessment of the cytotoxicity of ochratoxin A on SK and Vero cell lines using the Muse Cell Analyzer cytometer

**11:40-12:10 (L)\* Herrera M., Concellón M., Anadón R., Márquez M., Foronda M.A., Anadón J.D., Moreno A., Lapetra C., Páramo J., Zarazaga J., Ariño A.**

*Instituto Agroalimentario de Aragón IA2 (Universidad de Zaragoza-CITA), Veterinary Faculty, Zaragoza, Spain*

Field management factors influencing mycotoxin levels in Northern Spain cereal systems

**12:10-12:30 (L) Twarużek M., Kosicki R., Skrzydlewski P., Soszczyńska E., Grajewski J.**  
*Kazimierz Wielki University, Faculty of Biological Sciences, Department of Physiology and Toxicology, Bydgoszcz, Poland*

Mycotoxins - a current issue of contamination in raw materials and animal feed

**12:30-12:50 (L) Jedziniak P.**  
*Department of Chemical Research of Food and Feed, National Veterinary Research Institute – National Research Institute, Puławy, Poland*

Mycotoxin risk assessment in animal feed: new scientific and regulatory challenges

**12:50-13:00 (S) Witek M.**  
*Romer Labs Division Holding GmbH, Tulln, Austria*  
Pitfalls in Mycotoxin Testing – Check Whether You Avoid Them!

**13:00-13:15 Discussion**

**13:15-14:30 Lunch**

**14:30-15:00 (L)\* Völsch A., Veerkamp J., Nikfardjam M.P., Humpf H.U., Cramer B.**

*University of Muenster, Institute of Food Chemistry, Münster, Germany*

Occurrence of T-2, HT-2 and Their Glucosides in Apple-Based Beverages

**15:00-15:30 (L)\* Viegas C.**  
*H&TRC—Health & Technology Research Center, ESSL—Escola Superior de Saúde de Lisboa, Instituto Politécnico de Lisboa, Lisbon, Portugal/NOVA National School of Public Health, Public Health Research Centre, Comprehensive Health Research Center, CHRC, REAL, CCAL, NOVA University Lisbon, Lisbon, Portugal*

Advances and practical lessons in fungal contamination exposure assessment: Integrating field sampling and laboratory analyses

**15:30-15:40 (S) Kwiatkowska-Giżyńska J., Twarużek M.**  
*Kazimierz Wielki University, Faculty of Biological Sciences, Department of Physiology and Toxicology, Bydgoszcz, Poland*

The potential of vitamin C-rich extracts in controlling mould growth and mycotoxin biosynthesis

**15:40-16:00 Coffee break/ Poster session**

**16:00-17:30 Romer Labs Workshops**

**19:00 Integration meeting**



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# MIKOTOKSYNY I GRZYBY PLEŚNIOWE

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Wednesday

20 May 2026

- 10:00-10:30 (L)\* Oliveira J., Cervantes R., Pena P., Gomes B., Kosicki R., Trindade A., Murta D., Viegas C., Twarużek M., Assunção R.**  
*Egas Moniz Center for Interdisciplinary Research (CiiEM); Egas Moniz School of Health & Science, Caparica, Almada, Portugal*  
Food waste valorisation by black soldier fly: Assessing fungal and mycotoxins risks
- 10:30-10:50 (L) Cieślak A., Olorunwolu S.A., Łagoda J., Sidoruk P., Szczęsny J., Sznajder J., Twarużek M., Grajewski J.**  
*Department of Animal Nutrition, Poznan University of Life Sciences, Poznań, Polska*  
Mycotoxins in TMR feeding: rumen response and potential links to methanogenesis
- 10:50-11:00 (S) Olorunlowu S., Sznajder J., Twarużek M., Kosicki R., Szumacher-Strabel M., Zielewicz W., Potkański A., Grajewski J., Cieślak A.**  
*Department of Animal Nutrition, Poznan University of Life Sciences, Poznań, Polska*  
Replacing Maize Partially or Totally With Sorghum Alters Mycotoxin Profile in Their Silages in Microsilos
- 11:00-11:20 (L) Zielonka Ł.**  
*University of Warmia and Mazury in Olsztyn, Faculty of Veterinary Medicine, Department of Veterinary Prevention and Feed Hygiene, Olsztyn, Poland*  
Mixed Mycotoxicoses: Synergy, Additivity and Antagonism Versus Regulatory Thresholds—What Matters in Clinical Practice?
- 11:20-12:00 Closing discussion and conference summary**
- 12:00 Lunch**

\* Interpreted lectures

(L) – lecture

(S) – short presentation



## Poster session

- P1** **Baliukonienė V., Navickytė I., Jovaišienė J., Falkauskas R., Morkūnaitė J., Stankūnaitė A., Mikalauskienė D.**  
*Lithuania University of Health Science, Faculty of Veterinary Medicine, Department of Food Safety and Quality, Kaunas, Lithuania*  
Analysis of the chemical and microbiological composition of honey from different regions of Lithuania
- P2** **Rubaj J., Bielecka G., Korol W., Kosicki R., Twarużek M., Grajewski.**  
*National Research Institute of Animal Production, National Laboratory for Feedingstuffs, Lublin, Poland*  
Long-term monitoring of mycotoxins in selected feeds
- P3** **Bucoń K., Skrzydlewski P., Kosicki R., Twarużek M.**  
*Kazimierz Wielki University, Faculty of Biological Sciences, Department of Physiology and Toxicology, Bydgoszcz, Poland*  
Rapid Strip Tests and Chromatographic Methods for Mycotoxin Detection
- P4** **Dąbrowski M., Okorski A., Karpiesiuk K., Kozera W., Zielonka Ł.**  
*Department of Veterinary Prevention and Feed Hygiene, Faculty of Veterinary Medicine, University of Warmia and Mazury in Olsztyn, Poland*  
Short-Term Exposure to Silo-Derived Mycotoxins and Its Impact on Immunological and Metabolic Parameters in Weaned Piglets
- P5** **Pedroni L., Lie K.K., Dall'Asta Ch., Dellafiora L.**  
*Department of Food and Drug, University of Parma, Parma, Italy*  
A hidden threat to Atlantic salmon: in silico evidence of enniatins disruption on heme biosynthesis from the MYTOXA Project
- P6** **Gajęcka M., Zielonka Ł., Gajęcki M.T.**  
*University of Warmia and Mazury in Olsztyn, Faculty of Veterinary Medicine, Department of Veterinary Prevention and Feed Hygiene, Olsztyn, Poland*  
mRNA Expression of Two Colon Enzymes in Pre-Pubertal Gilts During a 42-Day Exposure to Zearalenone
- P7** **Gugotek M., Zielonka Ł., Karpiesiuk K., Kozera W., Dąbrowski M.**  
*University of Warmia and Mazury in Olsztyn, Faculty of Veterinary Medicine, Department of Veterinary Prevention and Feed Hygiene, Olsztyn, Poland*  
Effects of Two Probiotics on Immune Cell Populations in Pigs Under Chronic Deoxynivalenol Exposure
- P8** **Jovaišienė J., Keibas A., Falkauskas R., Ribikauskas V., Kučinskienė J., Baliukonienė V.**  
*Lithuania University of Health Science, Faculty of Veterinary Medicine, Department of Food Safety and Quality, Kaunas, Lithuania*  
Assessment of mould contamination and mycotoxin occurrence in cherry, blackcurrant and grape berries during storage
- P9** **Kanabus J., Żak-Kuśakowicz A., Drewnowski D., Bryła M.**



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

Occurrence of mycotoxins in maize grain from the Polish harvests in 2024–2025

**P10** **Kochneva Y., Mierziak J., Sawuła A., Kulma A.**

*University of Wrocław, Faculty of Biotechnology, Department of Genetic Biochemistry, Wrocław, Poland*

Ionone apocarotenoids modulate growth, sterol metabolism, and mycotoxin production in *Fusarium culmorum*, *Alternaria alternata*, and *Alternaria lini*

**P11** **Koper W., Rudnicka-Kucharska J.**

*Voivodeship Sanitary and Epidemiological Station in Bydgoszcz, Poland*

Aflatoxin contamination of nuts and seeds in Poland in 2021–2025, based on reports in the RASSF system

**P12** **Mierziak J., Kochneva Y., Bilińska G., Wojtasik W., Kulma A.**

*University of Wrocław, Faculty of Biotechnology, Department of Genetic Biochemistry, Wrocław, Poland*

Phenolic compounds and their effects on *Fusarium* mycotoxin content in Flax

**P13** **Obremski K., Wojtacha P., Tyburski J.**

*University of Warmia and Mazury in Olsztyn, Faculty of Veterinary Medicine, Department of Veterinary Prevention and Feed Hygiene, Olsztyn, Poland*

Low-dose T-2 and ZEN co-exposure alters ileal cytokine balance in weaned pigs

**P14** **Burcu Ş.**

*Muğla Sıtkı Koçman University, Faculty of Science, Department of Biology, Kötekli, Muğla, Türkiye*

The role of *Bacillus* species in the biocontrol of mycotoxins

**P15** **Enow E.A., Urbaniak M., Kwiatkowska M., Waśkiewicz A., Bryła M., Stępień Ł.**

*Department of Plant-Pathogen Interaction, Institute of Plant Genetics, PAS, Poznań, Poland*  
Pathogenicity and mycotoxin accumulation of *Fusarium proliferatum* on two *Asparagus* cultivars with contrasting resistance

**P16** **Bryła M., Kanabus J., Drewnowski D., Waśkiewicz A.**

*Poznań University of Life Sciences, Department of Chemistry, Poznań, Poland*

Mycotoxin contamination in buckwheat: occurrence, analysis and food safety implications

**P17** **Żak-Kuśkiewicz A., Kanabus J., Drewnowski D., Bryła M.**

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

Occurrence of ergot alkaloids in rye grain in Poland from the 2024 and 2025 harvests