



LIETUVOS SVEIKATOS MOKSLŲ UNIVERSITETAS
**GYVŪNŲ MOKSLŲ
FAKULTETAS**



LITHUANIAN UNIVERSITY OF HEALTH SCIENCES
**FACULTY OF ANIMAL
SCIENCES**



LIETUVOS SVEIKATOS
MOKSLŲ UNIVERSITETO
GYVULININKYSTĖS
INSTITUTAS



LITHUANIAN UNIVERSITY
OF HEALTH SCIENCES
INSTITUTE OF
ANIMAL SCIENCE

5th International Scientific Conference “Livestock Production: Recent Trends and Future Prospects”

**5-toji tarptautinė mokslinė konferencija
“Gyvulininkystė – naujausios tendencijos ir ateities perspektyvos”**

Conference venue

**Lithuanian University of Health Sciences, Faculty of Animal Sciences,
Tilžės str. 18, LT-47181 Kaunas, Lithuania (Auditorium VSF110)**

The link to join the Conference will be sent to all participants 1 day before the event

October 9-10, 2025

The Conference is organized by the Lithuanian University of Health Sciences, Faculty of Animal Sciences, together with the LSMU Animal Science Institute and the Division of Agricultural and Forestry Sciences of the Lithuanian Academy of Sciences.



ORGANISING COMMITTEE

Assoc. prof. dr. Jurgita Dailidavičienė, LSMU Faculty of Animal Sciences
Assoc. prof. dr. Agila Daukšienė, LSMU Faculty of Animal Sciences
Dr. Vytautė Starkutė, LSMU Faculty of Animal Sciences
Prof. dr. Elena Bartkienė, LSMU Faculty of Animal Sciences, The Lithuanian Academy of Sciences
Prof. dr. Rolandas Stankevičius, LSMU Faculty of Animal Sciences
Prof. dr. Paulius Matusevičius, LSMU Faculty of Animal Sciences
Prof. dr. Asta Racevičiūtė – Stupelienė, LSMU Faculty of Animal Sciences
Prof. dr. Vilma Vilienė, LSMU Faculty of Animal Sciences
Assoc. prof. dr. Giedrius Palubinskas, LSMU Faculty of Animal Sciences
Assoc. prof. dr. Evaldas Šlyžius, LSMU Faculty of Animal Sciences
Dr. Artūras Šiukščius, LSMU Animal Science Institute
Dr. Šarūnė Marašinskienė, LSMU Animal Science Institute
Dr. Monika Nutautaitė, LSMU Faculty of Animal Sciences
Dr. Jolita Klementavičiūtė, LSMU Faculty of Animal Sciences
Dr. Ernesta Tolpežnikaitė, LSMU Faculty of Animal Sciences
Prof. habil. dr. Henrikas Žilinskas, The Lithuanian Academy of Sciences

SCIENTIFIC COMMITTEE

Prof. dr. hab. Jan Udala, Faculty of Biotechnology and Animal Husbandry, West Pomeranian University of Technology in Szczecin, Poland

Prof. dr. hab. Katarzyna Ognik, Faculty of Animal Sciences and Bioeconomy, University of Life Sciences in Lublin, Poland

Prof. dr. hab. Pawel Konieczka, Faculty of Animal Bioengineering, University of Warmia and Mazury in Olsztyn, Poland

Prof. dr. Vadims Bartkevics, Research Institute of Food Safety, Animal Health and Environment "BIOR", University of Latvia, Latvia

Prof. dr. Vladimír Tančín, Institute of Animal Breeding, Faculty of Agrobiological Sciences, Slovak University of Agriculture in Nitra, Slovak Republic

Prof. dr. Paulius Matusevičius, LSMU Faculty of Animal Sciences, Lithuania

Assoc. prof. dr. Evaldas Šlyžius, LSMU Faculty of Animal Sciences, Lithuania

Prof. dr. Modestas Ružauskas LSMU Faculty of Veterinary Medicine, Lithuania

Prof. dr. Elena Bartkienė LSMU Faculty of Animal Sciences, The Lithuanian Academy of Sciences, Lithuania

Dr. Rasa Nainienė, LSMU Animal Science Institute, Lithuania

Assoc. prof. dr. Lina Anskienė, LSMU Faculty of Animal Sciences, Lithuania

PROGRAM 9/10/2025

ORAL PRESENTATIONS

09.00-09.30 Registration (Auditorium VSF102)

09.30-10.00 OPENING OF THE CONFERENCE (Auditorium VSF110)

Moderator: DR. KRISTINA MORKŪNIENĖ,

Institute of Biology Systems and Genetic Research, Faculty of Animal Sciences,
Lithuanian University of Health Sciences

10.00-10.20 Plenary lecture „Edible Insects as Sustainable Foods: Consumer Perspective”.

Invited speaker: prof. RAQUEL P. F. GUINÉ, Cernas-IPV Research Centre, Polytechnic University of Viseu, Portugal.

10.20-10.40 Plenary lecture „The Zearalenone Cascade: Linking Ruminant Health to Human Exposure “.

Invited speaker: prof. VADIMS BARTKEVICS, Laboratory of Chemistry of the Institute of Food Safety, Animal Health and Environment “BIOR”, Latvia.

10.40-11.00 Plenary lecture „Milk Ejection and Oxytocin Release in Cow-Calf system: Review”.

Invited speaker: prof. dr. VLADIMÍR TANČIN, Slovak University of Agriculture in Nitra; NPPC-Research Institute for Animal Production Nitra, Slovak Republic.

11.00-11.10 Plenary lecture „Apiculture - Challenges, and Perspectives”.

Invited speaker: dr. AGILA DAUKŠIENĖ, Faculty of Animal Sciences, Apiculture Center, Lithuanian University of Health Sciences, Lithuania.

11.10-11.20 „Enhancement of Reproductive Function in Rabbits through Antioxidant-Rich Phytogetic Feed Additives: A Study of *Chlorella vulgaris* and *Laurus nobilis*”.

Speaker: dr. FRANCESCO VIZZARRI, Department of Nutrition and Small Farm Animals, Research Institute for Animal Production Nitra, National Agricultural and Food Centre, Lužianky, Slovak Republic.

11.20-11.30 „Optimizing Piglet Weaning Diets with Fermented Feed: Growth and Health Outcomes”.

Speaker: ŠARŪNAS BADARAS, Institute of Animal Rearing Technologies, Faculty of Animal Sciences, Lithuanian University of Health Sciences, Lithuania.

11.30-11.40 „Cannabidiol and Nanoselenium Mediates Meat Properties in the Period Post-Infection of C. Perfringens-Challenged Chickens”.

Speaker: PAWEŁ KONIECZKA, Department of Poultry Science and Apiculture, University of Warmia and Mazury in Olsztyn, Poland.

11.40-11.50 „Possible Effects of Probiotic Supplementation in Feed and Litter on Ammonia Emission, Health and Performance of Broiler Chickens”.

Speaker: SABINE EGLITE, Preclinical institute, Faculty of Veterinary Medicine, Latvia University of Life Sciences and Technologies, Latvia.

11.50-12.00 „Ultrasonication-Induced Modifications in the Proteomic and Lipidomic Profiles of *Acheta domesticus* and *Tenebrio molitor* Biomass”.

Speaker: ALINA BOGOMOLOVA, Department of Food Safety and Quality, Faculty of Veterinary, Lithuanian University of Health Sciences, Lithuania.

12.00-12.10 „The Preliminary Results of the First Survey on Hunting Sector in Bosnia and Herzegovina”.

Speaker: MIROSLAV UROSEVIC, University of Novi Sad, Faculty of Agriculture, Department of Animal Science Novi Sad, Serbia.

12.10-13.00 Coffee Break (Auditorium VSF102)

Moderator: DR. KRISTINA MORKŪNIENĖ,

Institute of Biology Systems and Genetic Research, Faculty of Animal Sciences,
Lithuanian University of Health Sciences

13.00-13.20 Plenary lecture „Aquaporins in Bovine Sperm: Promising Target for Male Reproductive Strategy”.

Invited speaker: dr. hab. inż. KATARZYNA MICHAŁEK, Department of Physiology, Cytobiology and Proteomics, West Pomeranian University of Technology in Szczecin, Poland.

13.20-13.30 „The Influence of Breed and Sex on Rabbit Productivity and Meat Traits”.

Speaker: IEVA LALAITĖ, Institute of Animal Rearing Technologies, Veterinary Academy, Lithuanian University of Health Sciences, Lithuania.

13.30-13.40 „Retrospective Assessment of the Reproductive Efficiency of Dairy Cows that were Raised Using an Intensive Feeding System”.

Speaker: AGNIESZKA WALENTYNA JONCZYK, Institute of Animal Reproduction and Food Research Polish Academy of Sciences.

13.40-13.50 „Microplastic Presence in Boar Semen: Potential Risks for Reproductive Health”.

Speaker: ŠARŪNĖ SORKYTĖ, Animal Reproduction Laboratory, Faculty of Veterinary Medicine, Lithuanian University of Health Sciences, Lithuania.

13.50-14.00 „Ovarian Tissue Activation and the Future of Fertility Technology”.

Speaker: ILONA KOWALCZYK-ZIĘBA, Department of Gamete and Embryo Biology, Institute of Animal Reproduction and Food Research, Polish Academy of Sciences, Poland.

14.00-14.10 „Two Seasonal Profiles: Contrasting Patterns of Honeybee Virus Prevalence Across Regions in Lithuania”.

Speaker: JUSTINA DAMBRAUSKAITĖ, Institute of Biological Systems and Genetic Research, Veterinary Academy, Lithuanian University of Health Sciences.

14.10-14.20 „Zebrafish as a Model for Behavioural Assessment of Fish Stress and Welfare”.

Speaker: ROSARIO LICITRA, Department of Veterinary Sciences, University of Pisa, Italy.

14.20-14.40 Plenary lecture „Antimicrobial Resistance in Bacteria from Aquacultured Fish”.

Invited speaker: prof. MODESTAS RUŽAUSKAS, Department Anatomy and Physiology, Faculty of Veterinary Medicine, Lithuanian University of Health Sciences.

14.40-14.50 „The Level of Selected Fatty Acids in Cows' Milk Depending on the Breed and Feeding Season”.

Speaker: ANNA LIPIAN-GŁOS, Department Biochemistry and Toxicology, University of Life Sciences in Lublin, Poland.

14.50-15.00 „Lactoferrin as an Early Mastitis Predictor in Relation to Somatic Cell Count in Dairy Cows' Milk”.

Speaker: GUODA KIRVELAITĖ, Institute of Animal Rearing Technologies, Veterinary Academy, Lithuanian University of Health Sciences.

15.00-15.30 Coffee Break (Auditorium VSF102)

15.30-15.40 “Contribution Of Artificial Insemination as a Reproductive Method in the Bulgarian Sport Horse Breed”.

Speaker: assoc. prof. dr. RADKA VLAJEVA, Department of Animal Husbandry, Faculty of Agriculture, Trakia University, Bulgaria.

15.40-15.50 „Practical Applications of 1,3–1,6 β-Glucans in Aquaculture: Linking Experimental Models with Farmed Fish”.

Speaker: BALDASSARE FRONTE, Department of Veterinary Sciences, University of Pisa, Italy.

15.50-16.00 „Microbial Diversity in Bulk Tank Milk Samples from Dairy Cattle in Latvia”.

Speaker: MADARA NIKOLAJENKO, Clinical Institute, Faculty of Veterinary Medicine, Latvia University of Life Sciences and Technology, Latvia.

16.00-16.10 „The Effect of Manganese Deficiency or Dietary Supplementation with Manganese (III) Oxide Nanoparticles on Bone Turnover Processes in Rats”.

Speaker: EWELINA CHOLEWIŃSKA, Department Biochemistry and Toxicology, University of Life Sciences in Lublin, Poland.

16.10-16.20 „The Role of Landscape Composition on Honey Physical Parameters”.

Speaker: MARTYNAS SKULSKIS, Nature Research Center, Vilnius, Lithuania.

16.20-16.30 „The Effect of Breed and Birth Season on Live Pig Performance”.

Speaker: DANIEL RAJČOK, Slovak University of Agriculture in Nitra, Faculty of Agrobiological and Food Resources, Institute of Animal Husbandry, Slovak Republic.

16.30-16.40 „Dietary Inclusion of *Mytilus galloprovincialis* Meal: Effects on Growth Performance and Carcass Traits of Broiler Chickens”.

Speaker: TODOR PETROV, Trakia University, Faculty of Agriculture, Department of Animal Husbandry - Non-ruminant animals and special industries, Bulgaria.

16.40-16.50 „Genomic Relationship Matrices under Linkage Disequilibrium: An Empirical Investigation”.

Speaker: YUNUS İNAN, University of Akdeniz, Faculty of Agriculture, Animal Science, Turkey.

16.50-17.00 „Cattle Breed Diversity in Türkiye (1990–2024): An AI-Augmented, Python-Based Assessment of FAO-Derived Indices”.

Speaker: AYŞE ÖZGE DEMİR, Van Yuzuncu Yıl University, Faculty of Agriculture, Department of Animal Science, Turkey.

17.00-17.10 „Chemical Composition of Lithuanian Green Macroalgae *C. Glomerata* Biomass: Potential Feedstuff for Poultry Animal Model”.

Speaker: ANETA KISOVA, Department of Animal Physiology, Faculty of Biotechnology and Food Sciences, Slovak University of Agriculture in Nitra, Slovak Republic.

17.10-17.30 Coffee Break, Discussion (Auditorium VSF102)

PROGRAM 10/10/2025

POSTER PRESENTATIONS

OneDrive link to poster presentations (October 10) will be provided to registered participants

1. „Effect of Age at First Calving and Calving Interval on Milk Production in Population of the Slovak Spotted Dairy Cows”.
Authors: Jozef Bujko, Juraj Candrák, Peter Strapák, Klára Vavrišinová, Radovan Kasarda.
Presenter: JOZEF BUJKO, Institute of Nutrition and Genomic, Faculty of Agrobiological and Food Resources, Slovak University of Agriculture in Nitra.
2. „Assessment of Cereal Stalks as a Potential Source of Mycotoxins”.
Authors: Jurgita Jovaišienė, Fausta Dragūnaitė, Rimvydas Falkauskas, Violeta Baliukonienė.
Presenter: JURGITA JOVAIŠIENĖ, Department of Food Safety and Quality, Faculty of Veterinary, Lithuanian University of Health Sciences.
3. „Assessment of Genome Stability in Landrace Boars Using the Comet Assay”.
Authors: Ewa Wójcik, Anna Wysokińska, Alina Janocha, Anna Milczarek, Paulius Matusevičius, Mišeikienė Ramutė.
Presenter: EWA WÓJCIK, University of Siedlce, Faculty of Agricultural Sciences, Institute of Animal Science and Fisheries.
4. „Haloysite-Induced Differential Proteomic Responses in the Cecal Mucosa of Drakes and Ducks”.
Authors: Agnieszka Herosimczyk, Małgorzata Ożgo, Adam Lepczyński, Marta Marynowska, Marcin Barszcz, Mirosław Banaszak, Jakub Biesek, Aleksandra Dunisławska, Piotr Suder, Małgorzata Hopciaś.
Presenter: AGNIESZKA HEROSIMCZYK, West Pomeranian University of Technology, Szczecin, Faculty of Biotechnology and Animal Husbandry, Department of Physiology, Cytobiology and Proteomics, Szczecin, Poland.
5. „An Economic Analysis of Poultry Egg Production in Katsina Metropolis Katsina State Nigeria”.
Authors: Hussaini Yusuf Ibrahim, Muhammad Nasir Sani.
Presenter: HUSSAINI YUSUF IBRAHIM, Department of Agricultural Economics, Federal University Dutin-Ma, Katsina State, Nigeria.
6. „The Usefulness of Whole Wheat Grain in the Feeding of Turkey Hens”.
Authors: Alina Janocha, Anna Milczarek, Ewa Wójcik, Anna Wysokińska, Paulius Matusevičius, Ramutė Mišeikienė, Mariusz Kowalewski.
Presenter: ALINA JANOCHA, Institute of Animal Science and Fisheries, Faculty of Agricultural Sciences, University of Siedlce, Poland.

7. „Meat Quality of Immunocastrated Boars and Entire Male Pigs Slaughtered at Different Body Weight".
Authors: Anna Zalewska, Patrycja Ciborowska, Marcin Sońta.
Presenter: ANNA ZALEWSKA, Institute of Animal Sciences, Warsaw University of Life Sciences, Poland.
8. „Challenges in Managing Heat Stress in Dairy Farms”.
Authors: Aistė Šimkevičiūtė, Sigita Kerzienė, Jurgita Dailidavičienė.
Presenter: AISTĖ ŠIMKEVIČIŪTĖ, Department of Anatomy and Physiology, Lithuanian University of Health Sciences.
9. „Preliminary Research on the Restoration of the Local Population of Lidzbark Horses”.
Authors: Polak Grażyna, Domżała Adam, Wójtowicz Joanna.
Presenter: GRAŻYNA POLAK, Department of Biodiversity Protection of Farm Animals and Horse Breeding, National Research Institute of Animal Production.
10. „Application of the Aubrac Breed in Sustainable Cattle Farming System in Slovakia”.
Authors: Klára Vavrišinová, Jaroslav Dóbi, Jozef Bujko.
Presenter: JOZEF BUJKO, University of Agriculture in Nitra, Slovak Republic.
11. „The Physicochemical Properties of Meat the Fatteners Fed Mixtures Containing Probiotic or/and Prebiotic”.
Authors: Milczarek Anna, Janocha Alina, Tarczyński Krystian, Zybert Andrzej, Sieczkowska Halina.
Presenter: ANNA MILCZAREK, Institute of Animal Science and Fisheries, Faculty of Agricultural Sciences, University of Siedlce, Poland.
12. „Dynamics of Milk Yield and Progesterone Levels During the Estrous Cycle of Dairy Cows of Different Genotypes”.
Authors: Renata Japertienė, Karolis Skrodenis, Sigitas Japertas.
Presenter: RENATA JAPERTIENĖ, Department of Animal Breeding, Faculty of Animal Sciences, Lithuanian University of Health Sciences.
13. „Impact of Dietary Sodium Butyrate on Manure pH in Fattening Pigs”.
Author/Presenter: KATERINA BURLAKOVA, Faculty of Agriculture, Trakia University - Stara Zagora, Bulgaria.
14. „Effect of Low-Frequency Oscillations on Blood Cortisol Concentration and Milk Quality in Dairy Cows”.
Authors: Juozas Žemaitis, Antanas Sederevičius, Judita Žymantienė, Kristina Musayeva, Rasa Želvytė, Ugnė Spancernienė, Vytautas Jūrėnas, Algimantas Bubulis, Joris Vėžys, Vaidas Oberauskas.
Presenter: JUOZAS ŽEMAITIS, Department of Anatomy and Physiology, Veterinary Academy, Lithuanian University of Health Sciences.
15. „Evaluation of The Influence of Calf Sex on The Quantity and Composition of Cows 'Milk’”.
Authors: Jūratė Rudejevienė, Liepa Emilija Skruzdytė.
Presenter: JŪRATĖ RUDEJEVIENĖ, Dr. L. Kriaučeliūnas Small Animal Clinic, Veterinary Academy, Lithuanian University of Health Sciences, Lithuania.
16. „Early Postnatal Indicators as Predictors of Neonatal Vitality and Growth in Improved Valachian Lambs”.
Authors: Martin Janíček, Mária Mičiaková, Martina Pšenková.
Presenter: MARTIN JANÍČEK, Institute of Animal Husbandry, Slovak University of Agriculture in Nitra, Slovak Republic.
17. „Comparison of Morphometric and Selection Traits of Rabbit Breeds in Lithuania”.
Authors: Vilma Vilienė, Vanesa Vaivadaitė, Asta Racevičiūtė-Stupelienė, Monika Nutautaitė.
Presenter: VILMA VILIENĖ, Institute of Animal Rearing Technologies, Veterinary Academy, Lithuanian University of Health Sciences, Lithuania.
18. „Quality of Hunted Wild Game Meat in Lithuania”.
Authors: Simas Graužys, Vilija Buckiūnienė, Vita Lėlė, Jolita Klementavičiūtė, Ernestas Mockus, Dovile Klupšaitė, Elena Bartkienė.
Presenter: SIMAS GRAUŽYS, Institute of Animal Rearing Technologies, Veterinary Academy, Lithuanian University of Health Sciences, Lithuania.

19. „Determination of the Doppler Indices in Ultrasound Examination of the Common Carotid, Temporal and Vertebral Arteries in Lambs in the Postnatal Period”.
Authors: Barbara Błaszczuk, Tomasz Stankiewicz, Małgorzata A. Szewczuk, Jan Udała, Paulius Matusevičius.
Presenter: **BARBARA BŁASZCZYK**, West Pomeranian University of Technology in Szczecin, Faculty of Biotechnology and Animal Husbandry, Department of Animal Reproduction Biotechnology and Environmental Hygiene, Poland.
20. „Analysis of Factors Affecting Calving Difficulty in Beef Cows”.
Authors: Mária Mičiaková, Klára Vavrišinová, Martin Janíček, Martina Pšenková.
Presenter: **MÁRIA MIČIAKOVÁ**, Institute of Animal Husbandry, Slovak University of Agriculture in Nitra, Slovak Republic.
21. „The Effects of Microalgae Supplementation on Growth, Blood Biochemistry and Organ Development in Broiler Chickens”.
Authors: Anete Freiberga, Aija Ilgaza, Maksims Zolovs.
Presenter: **ANETE FREIBERGA**, Latvia University of Life Science and Technologies, Faculty of Veterinary Medicine, Latvia.
22. „The Influence of Cow Breed and Parity on Milk Productivity and Quality Indicators”.
Authors: Ramutė Mišeikienė, Nijolė Pečiulaitienė, Jūratė Rudejevienė, Saulius Tušas.
Presenter: **RAMUTĖ MIŠEIKIENĖ**, Institute of Biology Systems and Genetic Research, Lithuanian University of Health Sciences, Lithuania.
23. „Effect of Milking Duration on Milk Composition and Somatic Cell Count”.
Authors: Saulius Tušas, Vilija Buckiūnienė, Ramutė Mišeikienė, Arūnė Danieliūtė.
Presenter: **VILIJA BUCKIŪNIENĖ**, Institute of Animal Rearing Technologies, Lithuanian University of Health Sciences, Lithuania.
24. „Differences Between Influence of Specific Factors in Accordance with Scale Use – Original or Converted Sport Horse Data”.
Authors: Alicja Borowska, Dorota Lewczuk.
Presenter: **ALICJA BOROWSKA**, Poznan University of Life Sciences.
25. „Associations Between Conformation, Gait and Jumping Traits in the Linear Scoring Evaluation of Warmblood Horses”.
Authors: Alicja Borowska, Dorota Lewczuk.
Presenter: **ALICJA BOROWSKA**, Poznan University of Life Sciences.
26. „The Influence of Different Combinations of Laying Hen Lines and Holding Systems on Egg Quality”.
Authors: Rūta Strumskytė, Asta Racevičiūtė-Stupelienė, Monika Nutautaitė, Vilma Vilienė.
Presenter: **RŪTA STRUMSKYTĖ**, Institute of Animal Rearing Technologies, Lithuanian University of Health Sciences, Lithuania.
27. „Epidemiology of Bovine Cryptosporidiosis in Latvia: A Seven-Year Study of Regional and Age-Related Trends”.
Authors: Alina Zolova, Dace Keidane, Maksims Zolovs, Jevgenija Kondratjeva.
Presenter: **JEVGENIJA KONDRATJEVA**, Latvia University of Life Sciences and Technologies, Institute of Food and Environmental Hygiene, Latvia.
28. „Somatic Cell Subpopulations in Goat Milk and Their Association with Milk Composition Parameters”.
Authors: Jovita Einorytė, Evaldas Šlyžius, Zoja Miknienė, Giedrius Palubinskas.
Presenter: **JOVITA EINORYTĖ**, Department of Animal Breeding, Lithuanian University of Health Sciences, Lithuania.
29. „Concentrations of Chemical Elements in Tissues of Wild Boars from Selected Area of Slovakia”.
Authors: Martina Pšenková, Róbert Toman, Ivona Jančo, Mária Mičiaková, Martin Janíček.
Presenter: **MARTINA PŠENKOVÁ**, Slovak University of Agriculture in Nitra, Institute of Animal Husbandry, Slovak Republic.
30. „Beta-Sitosterol Dietary Supplementation in Dairy Sheep Modifies Milk Delta 9 Desaturase Indexes and Coccidia Load”.

Authors: Iolanda Altomonte, Federica Salari, Valeria Ceccherelli, Marco Ferrara, Mina Martini.

Presenter: MARCO FERRARA, Department of Veterinary Sciences, University of Pisa.

31. „Probiotic Yeast in Animal Nutrition - Facts and Perspectives”.

Authors: Andrea Patelski, Maria Balcerek, Katarzyna Pielech-Przybylska, Urszula Dziekońska, Katarzyna Dębska, Jakub Szerment.

Presenter: ANDREA PATELSKI, Institute of Fermentation Technology and Microbiology, Faculty of Biotechnology and Food Sciences, Lodz University of Technology, Poland.

32. „Parasites in Alpacas (*Vicugna Pacos*) – A Challenge in Husbandry”.

Authors: Bogumiła Pilarczyk, Małgorzata Bąkowska, Renata Pilarczyk, Agnieszka Tomza-Marciniak, Jan Udała, Beata Seremak, Ewa Kwita.

Presenter: BOGUMIŁA PILARCZYK, Department of Animal Reproduction Biotechnology and Environmental Hygiene, Faculty of Biotechnology and Animal Husbandry, West Pomeranian University of Technology in Szczecin, Poland.

33. „Polymorphisms in Selected Genes and Their Relationship with Quality Indicators of Liquid-Stored Boar Semen”.

Authors: Ewa Kwita, Jan Udała, Dariusz Gączarzewicz, Daniel Polasik, Renata Pilarczyk, Bogumiła Pilarczyk, Agnieszka Tomza-Marciniak, Małgorzata Bąkowska.

Presenter: EWA KWITA, Department of Animal Reproduction Biotechnology and Environmental Hygiene, Faculty of Biotechnology and Animal Husbandry, West Pomeranian University of Technology in Szczecin, Poland.

34. „Associations Between Selected Gene Polymorphisms and Morphological Integrity of Liquid-Stored Boar Spermatozoa”.

Authors: Ewa Kwita, Jan Udała, Dariusz Gączarzewicz, Daniel Polasik, Renata Pilarczyk, Bogumiła Pilarczyk, Agnieszka Tomza-Marciniak, Małgorzata Bąkowska.

Presenter: EWA KWITA, Department of Animal Reproduction Biotechnology and Environmental Hygiene, Faculty of Biotechnology and Animal Husbandry, West Pomeranian University of Technology in Szczecin, Poland.

35. „Estrus Expression and Detection in Angus and Limousin Cattle to Improve Reproductive Performance”.

Authors: Inga Merkelytė, Artūras Šiukščiū.

Presenter: INGA MERKELYTĖ, Department of Animal Breeding and Reproduction, Animal Science Institute, Lithuanian University of Health Sciences.

36. „The Stallion Effect: Concentration of Breeding Use and Its Impact on Horse Populations”.

Authors: Alma Račkauskaitė, Rūta Šveistienė, Šarūnė Marašinskienė.

Presenter: ALMA RAČKAUSKAITĖ, Animal Science Institute, Lithuanian University of Health Sciences.

37. „Evaluation of the Quality of Cooled Warmblood Stallion Semen Imported to Lithuania Within 24 Hours of Collection”.

Authors: Raimonda Tamulionytė-Skėrė, Neringa Sutkevičienė, Šarūnė Sorkytė, Sofija Salatkaitė, Giedrius Palubinskas, Vytuolis Žilaitis.

Presenter: RAIMONDA TAMULIONYTĖ-SKĖRĖ, Large Animal Clinic, Lithuanian University of Health Sciences, Lithuania.

38. „Role of Essential Oil Supplementation During the Transition Period in Modulating Dairy Cow Health and Metabolic Parameters”.

Authors: Samanta Arlauskaitė, Ramūnas Antanaitis, Karina Džermeikaitė, Justina Krištolaitytė, Akvilė Girdauskaitė, Dovilė Malašauskienė, Mindaugas Televičius, Gabija Lembovičiūtė, Greta Šertvytytė, Mingaudas Urbutis.

Presenter: SAMANTA ARLAUSKAITĖ, Large Animal Clinic, Veterinary Academy, Lithuanian University of Health Sciences, Lithuania.

39. „Relationships Between Milk Lactose Concentration and Metabolic Biomarkers in Dairy Cows During Early Lactation.

Authors: Akvilė Girdauskaitė, Samanta Arlauskaitė, Karina Džermeikaitė, Justina Krištolaitytė, Gabija Lembovičiūtė, Greta Šertvytytė, Mindaugas Televičius, Dovilė Malašauskienė, Mingaudas Urbutis, Ramūnas Antanaitis.

Presenter: AKVILĖ GIRDAUSKAITĖ, Large Animal Clinic, Veterinary Academy, Lithuanian University of Health Sciences, Lithuania.

40. „A Comparative Analysis of Birth Weight and Growth Performance Between Aubrac and Charolais Calves”.

Authors: Indrė Mečionytė, Giedrius Palubinskas, Vytuolis Žilaitis.

Presenter: INDRĖ MEČIONYTĖ, Department of Animal Breeding, Lithuanian University of Health Sciences, Lithuania.

41. „The Early Warning System as an Instrument Supporting the Implementation of the National Strategy”.

Authors: Ewa Sosin, Agnieszka Chełmińska.

Presenter: EWA SOSIN, National Research Institute of Animal Production Department of farm animal biodiversity conservation and horse breeding.

42. „Animal Genetic Resources Conservation Programs in Poland Over the Last 25 Years”.

Authors: Ewa Sosin, Agnieszka Chełmińska, Grażyna Polak, Joanna Wójtowic.

Presenter: EWA SOSIN, National Research Institute of Animal Production Department of farm animal biodiversity conservation and horse breeding.

43. „Performance and Welfare Assessment of Horses from Diverse Stud Farm”.

Authors: Laura Kubiliūtė, Asta Racevičiūtė-Stupelienė, Monika Nutautaitė, Vilma Vilienė.

Presenter: LAURA KUBILIŪTĖ, Institute of Animal Rearing Technologies, Veterinary Academy, Lithuanian University of Health Sciences, Lithuania.

44. „Effects of Litter Size on Early Piglet Performance”.

Authors: Matas Petravičius, Ingrida Balsytė, Vilma Vilienė, Monika Nutautaitė, Asta Racevičiūtė-Stupelienė.

Presenter: MATAS PETRAVIČIUS, Institute of Animal Rearing Technologies, Veterinary Academy, Lithuanian University of Health Sciences, Lithuania.

**Technical tour to the Animal Science Institute of
Lithuanian University of Health Sciences (Baisogala, Lithuania)
(departure from Tilžės str. 18, Kaunas)**

11.00 - 15.00 During the visit, you will learn about the scientific research conducted at the LSMU Animal Science Institute (Baisogala, Lithuania), discover preserved indigenous and 20th-century Lithuanian farm animal breeds, and participate in a tour of Baisogala Manor.