



3-IOJI TARPTAUTINĖ MOKSLINĖ KONFERENCIJA
3RD INTERNATIONAL SCIENTIFIC CONFERENCE

Livestock Production: Recent Trends and Future Prospects | Gyvulininkystė – naujausios tendencijos ir ateities perspektyvos

Unsplash photo



FACULTY OF ANIMAL SCIENCES
VETERINARY ACADEMY
LITHUANIAN UNIVERSITY OF HEALTH SCIENCES
LITHUANIAN ACADEMY OF SCIENCES

**The Great Hall, Veterinary Academy,
Lithuanian University of Health Sciences (LSMU), Tilžės 18 St., Kaunas
12 October 2023**

ORGANISING COMMITTEE:

Prof. Dr **Rolandas Stankevičius**, LSMU, Faculty of Animal Sciences
Prof. Dr Habil. **Henrikas Žilinskas**, Lithuanian Academy of Sciences
Prof. Dr Senior Researcher **Elena Bartkienė**, LSMU, Faculty of Animal Sciences
Prof. Dr **Paulius Matusevičius**, 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
Assoc. Prof. Dr **Laimutis Kučinskas**, LSMU, Faculty of Animal Sciences
Assist. **Vaida Dilbienė**, LSMU, Faculty of Animal Sciences
Assist. **Sonata Šidlauskienė**, LSMU, Faculty of Animal Sciences

SCIENTIFIC COMMITTEE:

Prof. Dr **Rolandas Stankevičius**, LSMU, Faculty of Animal Sciences
Prof. Dr Senior Researcher **Elena Bartkienė**, LSMU, Faculty of Animal Sciences
Prof. **Dariusz Piwczyński**, Bydgoszcz University of Science and Technology Poland
Assoc. Prof. Dr **Burak Karacaören**, Akdeniz University Faculty of Agriculture Department of Animal Science, Turkey
Assoc. Prof. Dr **Giedrius Palubinskas**, LSMU, Faculty of Animal Sciences
Assoc. Prof. Dr **Evaldas Šlyžius**, LSMU Faculty of Animal Sciences
Assoc. Prof. Dr **Laimutis Kučinskas**, LSMU, Faculty of Animal Sciences
Lecturer **Lasma Cielava**, Latvia University of Life Sciences and Technologies
Viktorija Nikonova, Latvia, University of Life Sciences and Technologies
Meda Pikūnaitė, Lithuanian Zoological Gardens
Laura Kubiliūtė, LSMU, Faculty of Animal Sciences





PROGRAMME

10.00–10.30 OPENING OF THE CONFERENCE

10.30–10.45 Burak Karacaören THE EFFECT OF DIFFERENT GENETICAL ARCHITECTURES FOR GENOMIC PREDICTION OF CARCASS FATNESS BY MACHINE LEARNING IN CATTLE

10.45–11.00 Lāsma Cielava, Daina Jonkus, Līga Paura THE EFFECT OF DAIRY COW STATURE AND LIVE WEIGHT ON THE PRODUCTIVITY AND LONGEVITY TRAITS

11.00–11.15 Viktorija Nikonova, Daina Jonkus, Līga Paura ANALYSIS OF POPULATION STRUCTURE AND INBREEDING IN THE LATVIAN HEAVY WARMBLOOD HORSE POPULATION

11.15–11.30 Meda Pikūnaitė, Kristė Stravinckaitė, Vytautas Ivanauskas, Klaidas Mikėnas, Gintarė Stankevičė EVOLUTIONARY TRANSITION FROM CONVENTIONAL TO EAZA-RECOMMENDED METHOD OF TENEBRIO MOLITOR CULTIVATION

11.30–11.45 Indrė Mečionytė, Vytuolis Žilaitis, Giedrius Palubinskas ASSOCIATION BETWEEN DAIRY BULLS FERTILITY INDEX AND COWS CONCEIVING SUCCESS

11.45–12.45 COFFEE BREAK

12.45–13.00 Elena Bartkienė, Vytautė Starkutė, Dovilė Klupšaitė, Eglė Zokaitytė, Vita Lėlė, Paulina Zavistanavičiūtė, Darius Černauskas, Modestas Ružauskas, Vadims Bartkevics, Iveta Pugajeva, Zane Bērziņa, Romas Gružauskas A COMBINATION OF WHEAT CEREAL OUTER LAYER THERMO-MECHANICAL PROCESSING AND BIOCONVERSION FOR SUSTAINABLE VALUE-ADDED FEED STOCK PRODUCTION

13.00–13.15 Beata Sitkowska, Julia Piwczyńska, Dariusz Piwczyński HERITABILITY OF POLISH HOLSTEIN-FRIESIAN COW MILK ELECTRICAL CONDUCTIVITY RECORDED BY MILKING ROBOTS FOR INDIVIDUAL UDDER QUARTERS

13.15–13.30 Patrícia Chaves de Oliveira LIVESTOCK IN AMAZON: CHALLENGES IN FACE OF GLOBAL CLIMATE CHANGE

13.30–13.45 Laura Kubiliūtė, Asta Racevičiūtė-Stupelienė, Burak Karacaören, Monika Nutautaitė, Vilma Vilienė COMPARISON OF THE NUTRITIONAL PROFILES OF EGGS PRODUCED BY LAYING HENS REARED UNDER INTENSIVE AND EXTENSIVE CONDITIONS





13.45–14.30 QUESTIONS AND DISCUSSION

14.30 END OF THE CONFERENCE

COFFEE BREAK (poster presentations)

Adrianna Szprynca, Ewelina Kawecka-Grochocka, Magdalena Zalewska, Magdalena Rzewuska, Klaudia Pawlina-Tyszko, Tomasz Ząbek, Emilia Bagnicka *TLR4, MEF2A, MEF2C, AND MAPK1* GENE EXPRESSIONS IN DAIRY CATTLE UDDER PARENCHYMA INFECTED WITH COAGULASE-POSITIVE STAPHYLOCCI

Alan Christopher Doherty, Neringa Sutkevičienė ANALYSIS AND COMPARISON OF QUALITY PARAMETERS OF CRYOPRESERVED SEXED AND UNSEXED BULL SEMEN

Marie Jose Zouein, Neringa Sutkevičienė ULTRA-FREEZING EFFECT OF CRYOPRESERVED BOVINE SEMEN ON THE MOTILITY AND VIABILITY OF POST-THAW SPERMATOZOA

Burak Karacaören, Mustafa Güngör ON THE INVESTIGATION OF QUANTITATIVE GENETIC PARAMETERS OF CARCASS FATNESS IN CATTLE

Roma Buczkowska, Dorota Lewczuk CONNECTIONS BETWEEN YOUNG HORSE PERFORMANCE AND TARSAL JOINT RADIOLOGICAL IMAGE MEASUREMENTS

Katarzyna Michałek, Patrycja Oberska, Sławomir Zych, Dariusz Gączarzewicz, Marta Marynowska, Andrzej Syczewski, Elena Bartkienė DISTRIBUTION AND POTENTIAL ROLE OF AQUAPORINS IN SPERM: LESSON FROM A BOVINE STUDY. PRELIMINARY RESULTS

Nijolė Pečiulaitienė, Ramutė Mišeikienė, Renata Bižienė, Kristina Morkūnienė, Laimutis Kučinskas, Sigita Kerzienė DETERMINATION OF *TG5* GENE POLYMORPHISM AND ITS INFLUENCE ON PRODUCTIVITY TRAITS OF BEEF CATTLE REARED IN LITHUANIA

Renata Japertienė, Radvilė Japertaitė, Lina Anskienė, Sigitas Japertas THE INFLUENCE OF THE BULL AND THE BULL LINE ON THE CONTENT OF FATTY ACIDS IN THE MILK OF BULLS' DAUGHTERS

Austina Kudrickaitė, Saulius Tušas, Ramutė Mišeikienė ANALYSIS OF MILKING INDICATORS OF DIFFERENT COW BREEDS

Jūratė Šiugždaitė, Eglė Beatričė Grigonytė ISOLATION OF MICROORGANISMS FROM CANINE SKIN AND EVALUATION OF ANTIMICROBIAL RESISTANCE





Livestock Production: Recent Trends and Future Prospects | Gyvininkystė – naujausios tendencijos ir ateities perspektyvos



Jūratė Šiugždaitė, Vaiva Jackutė, Vilija Laurinavičiūtė, Remigijus Šiugžda
THE VAGINAL MICROFLORA IN ANESTRUS PERIOD OF HEALTHY FEMALE DOGS

Violeta Baliukonienė, Bronius Bakutis, Asta Bobin, Jurgita Jovaišienė, Rimvydas Falkauskas
EFFECTS AND PREVENTION OF LOW MYCOTOXINS CONCENTRATION FOR FATTENING PIGLETS

Dariusz Piwczyński, Mubeen ul Hasan DETERMINING THE OPTIMAL LACTATION PHASE
OF A COW FOR CHANGING THE MILKING SYSTEM FROM CONVENTIONAL TO AUTOMATIC

Jolita Klementavičiūtė, Rugilė Viršilaitė, Eglė Zokaitytė A COMPARATIVE ANALYSIS
OF THE PHYSICAL, CHEMICAL, AND SENSORY ATTRIBUTES
OF CONVENTIONAL AND FREE-RANGE BROILER CHICKEN MEAT

Modestas Kybartas, Modestas Ružauskas, Rita Šiugždinienė, Irena Klimienė,
Raimundas Mockeliūnas STUDY OF THE ANTIMICROBIAL EFFICACY OF TEAT
DIP SOLUTIONS WITH POVIDONE IODINE AND CHLORHEXIDINE DIGLUCONATE
AGAINST *P. ZOPFII* ALGAE ISOLATED FROM BOVINE MASTITIS MILK

Li Chen, Emilia Bagnicka, Hiroaki Taniguchi THE INVOLVEMENT OF *IRS1* GENES
IN MILK PROTEIN SYNTHESIS IN DAIRY GOAT MAMMARY CELL

Daria Urbańska, Marek Pawlik, Karolina Rutkowska, Ewelina Kawecka-Grochowska, Michał
Czopowicz, Marcin Mickiewicz, Jarosław Kaba; Emilia, Bagnicka CORRELATION BETWEEN
SELECTED IMMUNE GENE EXPRESSIONS IN LIVER OF YOUNG CASTRATED BUCKS OF POLISH
WHITE IMPROVED SUPPLEMENTED WITH CURCUMIN-ROSEMARY DRIED EXTRACT MIXTURE