



100 Atkurtai
Lietuvai



DIVISION OF AGRICULTURAL AND FORESTRY
SCIENCES OF THE LITHUANIAN ACADEMY
OF SCIENCES INVITES YOU TO
THE INTERNATIONAL CONFERENCE
OF YOUNG SCIENTISTS

YOUNG SCIENTISTS FOR ADVANCE OF AGRICULTURE

THE CONFERENCE WILL BE HELD
on 15 November 2018
at THE LITHUANIAN ACADEMY OF SCIENCES
Gedimino Ave. 3, LT-01103 Vilnius, Lithuania

SPONSORS:



LIETUVOS RESPUBLIKOS
ŽEMĖS ŪKIO MINISTERIJA

MINISTRY OF AGRICULTURE
OF THE REPUBLIC
OF LITHUANIA



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PROGRAMME

9.30–10.00

Registration

10.00–12.00

Conference opening and plenary session
Small Conference Hall – Room 211

12.00–12.30

Lunch break

12.30–15.15

Sections and presentations

A

**Agronomy and
Agrobiology section**

Small Conference Hall –
Room 211

B

**Forestry and
Horticulture section**

Meeting Room 1 –
Room 210

C

**Animal Science and
Veterinary Medicine,
Food Safety and
Quality section**

Meeting Room 2 –
Room 212

15.15–15.30

Coffee break

15.30–16.00

**Evaluation and closing of the conference.
Conference certificates**
Small Conference Hall – Room 211

ORGANIZING COMMITTEE OF THE CONFERENCE:

Chaired by Prof. Dr. Zenonas Dabkevičius

Members:

Prof. Dr. Baiba Rivža

Prof. Dr. Vidmantas Stanys

Prof. Dr. Henrikas Žilinskas

Prof. Dr. Darius Danusevičius

Prof. Dr. Arvydas Povilaitis

Secretary: Elena Narušytė

10.00–10.20 OPENING OF THE CONFERENCE AND WELCOME SPEECHES
(Small Conference Hall – Room 211)

Prof. Jūras BANYŠ, President of the Lithuanian Academy of Sciences
Prof. Zenonas DABKEVIČIUS, Vicepresident of the Lithuanian Academy of Sciences
Prof. Baiba RIVŽA, Vicepresident of the Latvia Academy of Sciences
Representative of the Ministry of Agriculture

10.20–12.00 PLENARY SESSION (Small Conference Hall – Room 211)
Chaired by Prof. Zenonas DABKEVIČIUS, Prof. Henrikas ŽILINSKAS,
Prof. Arvydas POVILAITIS

10.20–10.35 VENOUS HEMOGASOMETRY OF EQUINES BEFORE AND AFTER ENDURANCE RACES

Indrė Poškienė, Vida Juozaitienė, Jurgita Autukaitė,
Rūta Undžėnaitė, Algis Noreika, Ramūnas Antanaitis
Large Animal Clinic, Lithuanian University of Health Sciences, Department of Animal Breeding and Nutrition, Lithuanian University of Health Sciences

10.35–10.50 EFFECT OF PLOIDY LEVEL ON DROUGHT RESPONSE IN *LOLIUM MULTIFLORUM*

Olakunle Kelvin Akinroluyo, Vilma Kemešytė, Gražina Statkevičiūtė
Institute of Agriculture, Lithuanian Research Centre for Agriculture and Forestry

10.50–11.05 QUALITATIVE BEHAVIORAL ASSESSMENT AND ANIMAL TRANSPORT

Francesca Carnovale
Estonian University of Life Science

11.05–11.20 CUT-AWAY PEATLAND RE-CULTIVATION WITH FAST GROWING TREE SPECIES

Kristaps Makovskis, Dagnija Lazdina,
Dina Popluga, Santa Neimane, Santa Celma
Latvian State Forest Research Institute Silava

11.20–11.35 THE EFFECT OF AGRICULTURAL FUTURES TRADING ACTIVITY ON THEIR PRICE VOLATILITY: A CURRENT REVIEW OF THEORETICAL AND METHODOLOGICAL CHALLENGES

Algirdas Justinas Staugaitis
Aleksandras Stulginskis University

11.35–11.50 IDENTIFICATION OF ALTERNATIVE HOSTS OF *FUSARIUM* SPECIES IN CEREAL-BASED CROP ROTATIONS

Povilas Švėgžda, Skaidrė Supronienė, Gražina Kadžienė
Institute of Agriculture, Lithuanian Research Centre for Agriculture and Forestry

11.50–12.00 DISCUSSIONS

12.00–12.30 LUNCH BREAK

A

12.30–15.15 **AGRONOMY AND AGROBIOLOGY SECTION** (Small Conference Hall–Room 211)

Chaired by Assoc. Prof. Vytautas RUZGAS,
Prof. Algirdas Juozas MOTUZAS, Prof. Pavelas DUCHOVSKIS

- 12.30–12.45 THE YIELD AND QUALITY OF WINTER WHEAT, DEPENDING ON CROP ROTATION AND SOIL TILLAGE**
Madara Darguza, Zinta Gaile, Antons Ruza
Institute of Soil and Plant Sciences, Latvia University of Life Sciences and Technologies
- 12.45–13.00 THE HIGH-RESOLUTION MELTING (HRM) ANALYSIS: NEW METHOD FOR DETECTION OF GENETIC VARIANTS IN NUCLEIC ACID SEQUENCES**
Radvilė Nagrockaitė-Lelešienė, Rita Armonienė, Gintaras Brazauskas
Institute of Agriculture, Lithuanian Research Centre for Agriculture and Forestry
- 13.00–13.15 EFFECT OF NITROGEN RATE AND FORECROP ON NITROGEN USE EFFICIENCY IN WINTER WHEAT (*TRITICUM AESTIVUM* L.)**
Linda Litke, Zinta Gaile, Antons Ruža
Latvia University of Life Sciences and Technologies
- 13.15–13.30 MINERAL NITROGEN CHANGE MONITORING IN DIFFERENT LITHUANIA'S TERRIC HISTOSOLS IN 2016–2018**
Andrius Šarka
Agrochemical Research Laboratory, Lithuanian Research Centre for Agricultural and Forestry
- 13.30–13.45 FORMATION OF FABA BEAN YIELD DEPENDING ON VARIETY, SOWING RATE AND DISEASE CONTROL**
Ieva Plūduma-Pauniņa, Zinta Gaile, Biruta Bankina, Reinis Balodis
Latvia University of Life Sciences and Technologies, Research and Study Farm “Pēterlauki”, Latvia University of Life Sciences and Technologies
- 13.45–14.00 COMPARISON OF DECOMPOSITION RATES ON DIFFERENT SOIL TYPES BY USING THE TEA-BAG METHOD**
Monika Toleikiene
Lithuanian Research Centre for Agriculture and Forestry
- 14.00–14.15 THE EFFECTS OF MAIN AND WINTER COVER CROPS IN ORGANIC FARMING ON WATER-STABLE AGGREGATES**
Mihkel Are, Tanel Kaart, Alar Astover,
Karin Kauer, Are Selge, Endla Reintam
Estonian University of Life Sciences
- 14.15–14.30 FERTILIZER IMPACTS ON THE MAIN NUTRIENT LEACHING IN SUSTAINABLE AGRICULTURE USED**
Auksė Burakova (Sinkevičiūtė), Eugenija Bakšienė
Vokė Branch, Lithuanian Research Centre for Agriculture and Forestry

- 14.30–14.45 THE EFFECT OF HUMUS CONTENT ON WATER STABILITY OF SOIL AGGREGATES AFTER FREEZING-THAWING PROCESSES IN *CAMBISOL***
Mykola Kochiiaru
Lithuanian Research Center for Agriculture and Forestry
- 14.45–15.00 PHENOTYPIC VARIABILITY IN AUTOCHTHONOUS RED CLOVER POPULATIONS BASED ON BIO-AGRONOMICAL PARAMETERS**
Giedrius Petrauskas, Kristina Jaškūnė, Eglė Norkevičienė
Institute of Agriculture, Lithuanian Research Centre for Agriculture and Forestry
- 15.00–15.15 BIOCHAR AND POSSIBILITY TO USE IT FOR IMPROVEMENT OF SOIL PROPERTIES**
Jelena Titova, Edita Baltrėnaitė
Vilnius Gediminas Technical University

B

12.30–15.15 FORESTRY AND HORTICULTURE SECTION (Meeting Room 1 – Room 210)
Chaired by Prof. Vidmantas STANYS, Prof. Baiba RIVŽA,
Prof. Darius DANUSEVIČIUS

- 12.30–12.45 THE EFFECT OF *CORIANDRUM SATIVUM* SEED ESSENTIAL OIL, EXTRACT, AND HYDROSOL ON *BOTRYTIS CINEREA* PERS.**
Lina Šernaitė, Alma Valiuškaitė, Neringa Rasiukevičiūtė,
Edita Dambrauskienė, Pranas Viškelis
Institute of Horticulture, Lithuanian Research Centre for Agriculture and Forestry, Kaunas University of Technology, Institute of Agriculture and Food Sciences, Aleksandras Stulginskis University
- 12.45–13.00 FUNGI INHABITING RESIN TAPPING WOUNDS OF *PINUS SYLVESTRIS* L. IN LATVIA: PRELIMINARY RESULTS**
Astra Zaļuma, Natālija Burņeviča, Tālis Gaitnieks
Latvian State Forest Research Institute Silava
- 13.00–13.15 THE INFLUENCE OF *BOTRYTIS CINEREA* TO CHLOROPHYLLS AND FLAVONOLS OF GREEN-LEAF LETTUCE**
Asta Bylaitė, Aušra Brazaitytė, Alma Valiuškaitė,
Neringa Rasiukevičiūtė, Viktorija Vaštakaitė
Institute of Horticulture, Lithuanian Research Centre for Agriculture and Forestry
- 13.15–13.30 INNOVATIONS IN FOREST REGENERATION MECHANIZATION**
Kārlis Dumīnš, Toms Artūrs Štāls, Mārtiņš Augusts,
Kristaps Makovskis, Dagnija Lazdiņa
Latvian State Forest Research Institute Silava, Latvia's State Forests
- 13.30–13.45 APPLICATION OF ESSENTIAL OILS FOR CONTROLLING STRAWBERRY ANTHRACNOSE**
Armina Morkeliūnė, Neringa Rasiukevičiūtė, Alma Valiuškaitė
Institute of Horticulture, Lithuanian Research Centre for Agriculture and Forestry

- 13.45–14.00 SEARCHING FOR CAUSAL AGENTS IN THE OAKS (*QUERCUS* SPP.) STANDS**
 Karolis Sivickis, Dovilė Čepukoit, Zigmantas Gudžinskas,
 Daiva Burokienė, Tomas Bukys
Laboratory of Plant Pathology, Institute of Botany, Nature Research Centre, Laboratory of Flora and Geobotany, Institute of Botany, Nature Research Centre, Vilnius Gediminas Technical University
- 14.00–14.15 FUNGAL SPECIES DIVERSITY ON SMALL DIMENSION NORWAY SPRUCE LOGS INFECTED BY *HETEROBASIDIUM* SPP.**
 Lauma Brūna, Natālija Burņeviča, Alise Valdēna, Tālis Gaitnieks
Latvian State Forest Research Institute Sīlava
- 14.15–14.30 EVALUATION OF GREENHOUSE GAS EMISSION IN DIFFERENT BIO-SUBSTRATE FERTILIZATION OF SPRING WHEAT CULTIVATION**
 Modupe Olufemi Doyeni, Vita Tilvikienė, Skaidrė Suprionė
Institute of Agriculture, Lithuanian Research Centre for Agriculture and Forestry
- 14.30–14.45 EFFECT OF EDAPHIC AND CLIMATIC FACTORS ON *THYMUS PULEGIOIDES* LINALOOL CHEMOTYPE**
 Vaida Vaičiulytė, Kristina Ložienė
Institute of Botany, Nature Research Centre
- 14.45–15.00 GENETIC DIVERSITY OF EUROPEAN BEECH POPULATIONS IN LITHUANIA**
 Rūta Kembrytė
Aleksandras Stulginskis University
- 15.00–15.15 A COMPARISON OF DIFFERENT DIMENSIONS OF HEALTH COVERAGE IN LATVIA, ESTONIA AND CZECH REPUBLIC**
 Monika Bišere
Latvian University of Agriculture

C

- 12.30–15.15 ANIMAL SCIENCE AND VETERINARY MEDICINE, FOOD SAFETY AND QUALITY SECTION (Meeting Room 2 – Room 212)**
 Chaired by Prof. Antanas SEDEREVIČIUS,
 Prof. Vytautas Konstantinas SIRVYDIS, Prof. Algirdas Jonas RAILA

- 12.30–12.45 THE POSSIBILITIES OF SENSOR TECHNOLOGIES IN MODERN DAIRY FARMING**
 Lāsma Cielava, Daina Jonkus, Sandija Zēverte-Rivža, Baiba Rivža
Latvia University of Life Sciences and Technologies
- 12.45–13.00 DIAGNOSTIC THERMOGRAPHY: EVALUATION OF DISTAL FORELIMB TEMPERATURE OF STABLED AND FIELD LIVING HORSES**
 Rūta Undžėnaitė, Vaidas Oberauskas, Antanas Sederevičius,
 Judita Žymantienė, Indrė Stasiulevičiūtė, Jurgita Autukaitė
Large Animal Clinic, Lithuanian University of Health Sciences, Department of Anatomy and Physiology, Lithuanian University of Health Sciences

- 13.00–13.15 EVALUATION OF ANALGESIC FLUNIXIN EFFECT APPLIED AFTER CASTRATION IN HORSES**
 Martyna Štakonaitė, Zoja Miknienė, Zhadyra Abilova
Veterinary Academy, Lithuanian University of Health Sciences, Kostanay State University named after A. Baitursynov, Kazakhstan Republic
- 13.15–13.30 STATUS OF BLOOD MACRO AND TRACE ELEMENTS IN TWO DIFFERENT SHEEP BREED DURING EARLY SPRING PERIOD**
 Jurgita Autukaitė, Indrė Stasiulevičiūtė, Rūta Undzėnaitė
Large Animal Clinic, Lithuanian University of Health Sciences
- 13.30–13.45 TENDENCIES IN THE DAIRY SECTOR IN LATVIA**
 Aleksandra Rizojeva-Silava
Latvian University of Life Science and Technologies
- 13.45–14.00 PEDIGREE ANALYSIS OF TRAKEHNER HORSES IN LITHUANIA**
 Alma Račkauskaitė, Rūta Šveistienė, Šarūnė Marašinskienė, Audronė Rekešiūtė
Animal Science Institute, Lithuanian University of Health Sciences, Veterinary Academy, Lithuanian University of Health Sciences
- 14.00–14.15 THE INFLUENCE OF THERMAL PROCESSING TECHNOLOGIES ON ENTERAL FOOD SHELF-LIFE**
 Liene Ozola, Solvita Kampuse
Latvia University of Life Sciences and Technologies
- 14.15–14.30 RUMINAL PH CHANGES INFLUENCED BY FRESH GRASS AND TOTAL MIXED RATION**
 Ignas Šilinskas, Rasa Želvytė, Ingrida Monkevičienė
Department of Anatomy and Physiology, Lithuanian University of Health Sciences, The Research Center of Digestive Physiology and Pathology, Lithuanian University of Health Sciences
- 14.30–14.45 THE USAGE OF ANTIOXIDANTS FOR IMPROVEMENT OF HOT-SMOKED SAUSAGES QUALITY INDICATORS**
 Sonata Gustienė
Lithuanian University of Health Sciences
- 14.45–15.00 CONTENT OF ESSENTIAL OIL OF OREGANO (*ORIGANUM VULGARE* L.) OVER THE YEARS**
 Irina Sivicka
Latvia University of Life Science and Technologies
- 15.00–15.15 EFFECT OF ECG ON CONCEPTION RATE IN ANGUS HEIFERS INSEMINATED WITH SEXED SEMEN**
 Audronė Rekešiūtė, Aloyzas Januškauskas
Veterinary Academy, Lithuanian University of Health Sciences

