



LITHUANIAN RESEARCH CENTRE FOR AGRICULTURE AND FORESTRY
AND
DIVISION OF FAGRICULTURAL AND FORESTRY SCIENCES
INVITE YOU TO THE INTERNATIONAL CONFERENCE

YOUNG SCIENTISTS FOR ADVANCE OF AGRICULTURE

THE CONFERENCE WILL BE HELD ON 14 NOVEMBER 2019
AT THE LITHUANIAN ACADEMY OF SCIENCES
Gedimino Ave 3, Vilnius, Lithuania

ORGANISERS



SPONSOR



Research
Council of
Lithuania

GENERAL PROGRAMME

9.30–10.00

Registration

10.00–10.15

Conference opening

(Small Conference Hall – Room 211)

10.15–12.30

Plenary session

(Small Conference Hall – Room 211)

12.30–13.00

Lunch break

13.00–16.00

Sections and presentations

A

Agronomy and Forestry section

(Room 210)

B

**Animal Science and Veterinary
Medicine, Horticulture and
Economics section**

(Room 212)

16.00–16.30

Evaluation and closing of the conference.

Conference certificates

(Small Conference Hall – Room 211)

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

Dr Žydrė Kadžiulienė

Dr Diana Marčiulygienė

Secretary Reda Daukšienė

DETAILED PROGRAMME

10.00–10.15 OPENING OF THE CONFERENCE AND WELCOME SPEECHES

Prof. Zenonas DABKEVIČIUS,
Vice President of the Lithuanian Academy of Sciences
Prof. Baiba RIVŽA,
Vice President of the Latvian Academy of Sciences
Dr Gintaras BRAZAUSKAS,
Director of the Lithuanian Research Centre for Agriculture and Forestry

10.15–12.30 PLENARY SESSION (Small Conference Hall – Room 211) Chaired by: Prof. Henrikas ŽILINSKAS, Prof. Arvydas POVILAITIS, Prof. Darius DANUSEVIČIUS, Prof. Pavelas DUCHOVSKIS

10.15–10.30 IMPORTANCE OF STAND STRUCTURE IN EUROPEAN BEECH REGENERATION

Povilas Žemaitis
Lithuanian Research Centre for Agriculture and Forestry

10.30–10.45 INFLUENCE OF SMALL-DIAMETER STUMP HEIGHT ON THE PREVALENCE AND DEVELOPMENT OF NATURAL *PHLEBIOPSIS GIGANTEA* AND *HETEROBASIDIUM SPP.*

Liene Dārta Lukstiņa, Astra Zaļuma, Lauma Brūna, Dārta Kļaviņa
Latvian State Forest Research Institute Silava

10.45–11.00 CHANGES IN SOIL MICROBIAL BIOMASS AND DEHYDROGENASE ENZYME ACTIVITY FOLLOWING DIGESTATE FERTILIZATION IN AGRICULTURAL SOIL

Modupe Doyeni, Vita Tilvikienė, Skaidrė Supronienė
Lithuanian Research Centre for Agriculture and Forestry

11.00–11.15 OZONATED HEMP OIL AS A NEW ANTIFUNGAL AGENT IN VETERINARY MEDICINE

Gabrielė Slavinskienė, Aidas Grigonis, Marija Ivaškienė
Lithuanian University of Health Sciences

11.15–11.30 GENETIC ORIGIN OF *FAGUS SYLVATICA* IN LITHUANIA ASSESSED BY N SSR MARKERS

Rūta Kembrytė
Vytautas Magnus University

11.30–11.45 EXTRACTS OF VARIOUS PLANT FAMILIES FOR BIOCONTROL OF *BOTRYTIS CINEREA*

Lina Šernaitė, Alma Valiuškaitė, Neringa Rasiukevičiūtė, Edita Dambrauskienė, Pranas Viškelis
Lithuanian Research Centre for Agriculture and Forestry

- 11.45–12.00 THE EFFECT OF SOIL TEMPERATURE AND WATER CONTENT ON CO₂ EFFLUX ON ARABLE LAND OF *CAMBISOL***
 Mykola Kochiiuru, Virginijus Feiza, Jonas Volungevičius
Lithuanian Research Centre for Agriculture and Forestry
- 12.00–12.15 CHANGES IN CORTISOL AND WHOLE BLOOD LEVEL INDUCED BY EQUINE OSTEOPATHIC TREATMENT**
 Giedrė Vokietytė-Vilėniškė, Vytuolis Žilaitis, Zoja Miknienė
Lithuanian University of Health Sciences
- 12.15–12.30 FACTORS AFFECTING FEMALE UNEMPLOYMENT IN THE BALTIC COUNTRIES**
 Vera Hohlova, Baiba Rivža
Latvia University of Life Sciences and Technologies
- 12.30–13.00 Lunch break**

SECTION A (ROOM 210).

12.30–15.15

AGRONOMY AND FORESTRY

Chaired by: Dr Žydrė KADŽIULIENĖ, Prof. Alfas PLIŪRA,
 Prof. Vytautas RUZGAS, Prof. Gediminas STAUGAITIS,
 Dr Diana MARČIULYNIENĖ

- 13.00–13.15 CROP ROTATION AND SOIL TILLAGE INFLUENCE ON WINTER WHEAT YIELD FORMATION**
 Madara Darguža, Zinta Gaile
Latvia University of Life Sciences and Technologies
- 13.15–13.30 DISTRIBUTION OF HUMIFIED ORGANIC CARBON IN THE CLAY LOAM SOIL DUE TO TILLAGE INTENSITY**
 Tomas Žukaitis
Lithuanian Research Centre for Agriculture and Forestry
- 13.30–13.45 FABA BEAN QUALITY DEPENDING ON SOWING TIME**
 Ieva Plūduma-Pauniņa, Zinta Gaile
*Latvia University of Life Sciences and Technologies,
 Research and Study farm Peterlauki*
- 13.45–14.00 THE SIGNIFICANCE OF LEAF AREA INDEX (LAI) DETECTED BY APPLYING HEMISPHERICAL PHOTOGRAPHS IN THE FOREST HEALTHY AND PRODUCTIVITY RESEARCHES**
 Nerijus Sidabras, Diana Juonytė, Algirdas Augustaitis
Vytautas Magnus University
- 14.00–14.15 EFFECTS OF FUNGICIDE APPLICATION PROGRAMS ON *SEPTORIA TRITICI* BLOTCH SEVERITY AND GRAIN YIELD OF WINTER WHEAT**
 Karolina Verikaitė
Lithuanian Research Centre for Agriculture and Forestry

- 14.15–14.30 YIELD PRODUCTIVITY OF DIFFERENT GRASS-LEGUME MIXTURES IN THE SECOND YEAR OF SWARD**
Gintarė Šidlauskaitė
Lithuanian Research Centre for Agriculture and Forestry
- 14.30–14.45 INITIATION OF ANCIENT OAK TISSUE CULTURE AND THEIR CULTURE-DEPENDENT ENDOMICROFLORA**
Dorotėja Vaitiekūnaitė
Lithuanian Research Centre for Agriculture and Forestry
- 14.45–15.00 USE OF UNDERSOWN FORAGE LEGUMES FOR WEED SUPPRESSION IN ORGANIC CROPPING SYSTEMS**
Viktorija Gecaitė, Aušra Arlauskienė
Lithuanian Research Centre for Agriculture and Forestry
- 15.00–15.15 GROUND-LEVEL OZONE IMPACT ON INSECTS POLLINATORS**
Valda Araminienė
Lithuanian Research Centre for Agriculture and Forestry
- 15.15–15.30 CALCULATIONS OF EMISSIONS OF BIOFUEL PRODUCTION CHAIN FROM FOREST HARVEST RESIDUES IN SCOTCH PINE (PINUS SYLVESTRIS) FORESTS STANDS**
Laurynas Virbickas, Irina Klipova-Galickaja
Kaunas University of Technology
- 15.30–16.00 Discussions**

**12.30–15.15 SECTION A (ROOM 212).
ANIMAL SCIENCE AND VETERINARY MEDICINE,
HORTICULTURE AND ECONOMICS**
Chaired by: Prof. Vidmantas STANYS, Prof. Vidmantas BIŽOKAS,
Prof. Egidijus ŠARAUSKIS, Prof. Antanas SEDEREVIČIUS,
Prof. Pranas VIŠKELIS, Dr Jurga MILIAUSKIENĖ

- 13.00–13.15 EFFECT OF EXOENZYMES AND YEAST SUPPLEMENTATION ON THE RUMINAL METHANOGENS IN DAIRY COWS DURING TRANSITION PERIOD**
Ignas Šilinskas, Hanna Huuki, Ingrida Monkevičienė, Ilma Tapio, Kristina Musayeva, Antanas Sederevičius, Rasa Želvytė
Lithuanian University of Health Sciences, Natural Resources Institute Finland (Luke)
- 13.15–13.30 BIOFUNGICIDAL PROPERTIES OF ESSENTIAL OILS AGAINST CARROT DISEASE**
Simona Lukošiuūtė, Alma Valiuškaitė, Neringa Rasiukevičiūtė
Lithuanian Research Centre for Agriculture and Forestry

- 13.30–13.45 STRAWBERRY PATHOGENS INOCULUM SOURCES AND COLLETOTRICHUM SPP. PATHOGENICITY**
Armina Morkeliūnė, Neringa Rasiukevičiūtė, Alma Valiūškaitė
Lithuanian Research Centre for Agriculture and Forestry
- 13.45–14.00 PRODUCTION AND EVALUATION OF FERMENTED MILK PRODUCTS WITH DILL (*ANETHUM GRAVEOLENS*) CO₂ EXTRACT AND WILD *LACTOCOCCUS LACTIS* WITH POTENTIAL PROBIOTIC CHARACTERISTICS AS A FUNCTIONAL DAIRY FOOD**
Kristina Kondrotienė
Lithuanian University of Health Sciences
- 14.00–14.15 CHANGES OF BLOOD LACTATE LEVELS IN DOGS DURING BLOOD TRANSFUSION**
Brigita Zakarevičiūtė, Dalia Juodžentė, Vita Riškevičienė
Lithuanian University of Health Sciences
- 14.15–14.30 APPLE TREE RESPONSE TO STRESS, CAUSED BY PRUNING AND SEASONALITY**
Kristina Laužikė
Lithuanian Research Centre for Agriculture and Forestry
- 14.30–14.45 THE USAGE OF PREBIOTIC FOR HEALTH AND PRODUCTIVITY BENEFITS IN DIARY CATTLE FARMING**
Rimvydas Falkauskas, Violeta Baliukonienė, Bronius Bakutis, Jurgita Jovaišienė
Lithuanian University of Health Sciences, National Food and Veterinary Risk Assessment Institute
- 14.45–15.00 PATHOGENESIS-RELATED PROTEIN HOMOLOGS IN *RIBES* SPP.**
Dovilė Juškytė, Ingrida Mažeikienė, Vidmantas Stanys
Lithuanian Research Centre for Agriculture and Forestry
- 15.00–15.15 COMPARISON OF PROGESTERONE VALUES DETERMINED WITH DIFFERENT METHODS IN CATTLE BLOOD SERUM**
Audronė Rekešiūtė, Sigita Kerzienė, Aloyzas Januškauskas, Neringa Sutkevičienė, Antanas Banys, Henrikas Žilinskas
Lithuanian University of Health Sciences
- 15.15–15.30 OPTIONS OF USE OF DEPRIVED AREAS IN LATVIAN MUNICIPALITIES**
Mairita Stepina
Latvia University of Life Sciences and Technologies
- 15.30–15.45 A REVIEW OF CIRCULAR ECONOMY APPROACHES**
Lilita Abele, Baiba Rivža
Latvia University of Life Sciences and Technologies, Liepaja University
- 15.45–16.00 Discussions**

16.00–16.30 EVALUATION AND CLOSING OF THE CONFERENCE. CONFERENCE CERTIFICATES (Small Conference Hall – Room 211)