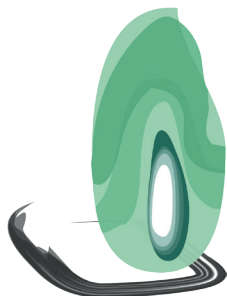




DIVISION OF AGRICULTURAL
AND FORESTRY SCIENCES
OF THE LITHUANIAN ACADEMY OF SCIENCES
INVITES YOU TO



THE INTERNATIONAL CONFERENCE
OF YOUNG SCIENTISTS

YOUNG SCIENTISTS FOR ADVANCE OF AGRICULTURE

THE CONFERENCE WILL BE HELD
on 10 November 2016 at
THE LITHUANIAN ACADEMY OF SCIENCES
Gedimino Ave. 3, LT-01103 Vilnius, Lithuania

SPONSORS:



Ministry of Agriculture of the Republic of Lithuania | JSC Dotnuva Baltic



PROGRAMME

- 9.30–10.00** **Registration**
- 10.00–11.15** **Plenary session**
(Large Conference Hall)
- 11.15–11.45** **Coffee break and group photo of conference participants**
- 11.45–13.15** **Sections and presentations**
- **Agronomy and Agrobiolology section**
(Small Conference Hall)
 - **Forestry and Horticulture section**
(Meeting Room 1 – Room 210)
 - **Animal Science and Veterinary Medicine,
Food Safety and Quality section**
(Meeting Room 2 – Room 212)
- 13.15–14.00** **Lunch break**
- 14.00–15.30** **Section and presentations**
- **Agronomy and Agrobiolology section**
(Small Conference Hall)
 - **Forestry and Horticulture section**
(Meeting Room 1 – Room 210)
 - **Animal Science and Veterinary Medicine,
Food Safety and Quality section**
(Meeting Room 2 – Room 212)
- 15.30–15.45** **Coffee break**
- 15.45–16.00** **Evaluation and closing of the conference.**
Conference certificates
(Large Conference Hall)

10.00–11.15 PLENARY SESSION

(Large Conference Hall)

Chairpersons:

Prof. Zenonas DABKEVIČIUS,

Prof. Henrikas ŽILINSKAS

10.00–10.15 Opening of the conference and welcome speeches

Prof. Valdemaras RAZUMAS,

President of the Lithuanian Academy of Sciences,

Prof. Zenonas DABKEVIČIUS,

Chair of the Division of Agriculture and Forestry Sciences

Virginija BALTRAITIENĖ,

The Minister of Agriculture of the Republic of Lithuania

Darius JALOVECKAS, Director General of JSC Dotnuva Baltic

Plenary presentations

10.15–10.30 The effects of different fertilization on soil water stable aggregate stability

Mihkel Are, Are Selge, Endla Reintam (Estonian University of Life Sciences)

10.30–10.45 Aluminium fractionation in acid and limed retisol profiles

Žilvinas Kryževičius, Danutė Karčiauskienė, Audronė Žukauskaitė

(Lithuanian Research Centre for Agriculture and Forestry, Klaipėda University)

10.45–11.00 The effect of mycorrhizal inoculum on the leaf greenness index and yield of tomato plants (*Lycopersicon esculentum* Mill.) grown in a heated plastic tunnel

Artur Dobrowolski, Joanna Majkowska-Gadomska

(University of Warmia and Mazury in Olsztyn)

11.00–11.15 Latvian micro and small enterprises in rural areas: possibilities for future development

Ieva Krūmina (Latvia University of Agriculture)

11.15–11.45 Coffee break and group photo of conference participants

11.45–13.15 I. AGRONOMY AND AGROBIOLOGY SECTION

(Small Conference Hall)

Chairpersons:

Assoc. Prof. Vytautas RUZGAS,

Prof. Algirdas Juozas MOTUZAS

11.45–12.00 Identification of genetic markers for freezing tolerance in perennial ryegrass (*Lolium perenne* L.)

Andrius Aleliūnas, Gintaras Brazauskas

(Lithuanian Research Centre for Agriculture and Forestry)

12.00–12.15 Identification of new allelic variants in winter wheat heat shock proteins

Radvilė Nagrockaitė-Lelešienė, Rita Armonienė, Gintaras Brazauskas

(Lithuanian Research Centre for Agriculture and Forestry)



- 12.15–12.30** **Tetraploid induction in annual ryegrass**
(*Lolium multiflorum* ssp. *Multiflorum*)
 Olakunle Kelvin Akinroluyo, Gražina Statkevičiūtė, Vilma Kemešytė
 (Lithuanian Research Centre for Agriculture and Forestry)
- 12.30–12.45** **Exogenous proline as a tool for winter rapeseed**
(*Brassica napus* L.) frost resistance
 Elžbieta Jankovska-Bortkevič, Virgilija Gavelienė,
 Sigita Jurkonienė (Nature Research Centre)
- 12.45–13.00** **Effect of different types of biodegradable waste compost**
on the yield and quality of winter wheat and spring barley
 Ieva Narutytė (Lithuanian Research Centre for Agriculture and Forestry)
- 13.00–13.15** **Perspectives of growing soy in organic agroecosystems**
 Monika Toleikienė (Lithuanian Research Centre for Agriculture and Forestry)
- 13.15–14.00** **Lunch break**
- 14.00–15.30** **I. AGRONOMY AND AGROBIOLOGY SECTION**
(Small Conference Hall)
 Chairpersons:
 Prof. Algirdas SLIESARAVIČIUS,
 Prof. Arvydas POVILAITIS
- 14.00–14.15** **Changes in spring barley harvest with different organic fertilizers**
 Aukse Burakova (Lithuanian Research Centre for Agriculture and Forestry)
- 14.15–14.30** **The incidence and severity of Verticillium wilt**
(*Verticillium* spp.) on winter and spring oilseed rape
 Evaldas Lelešius, Eglė Petraitienė
 (Lithuanian Research Centre for Agriculture and Forestry)
- 14.30–14.45** **Bacterial diversity in soil under different tillage systems**
 Monika Vilkienė, Dalia Ambrazaitienė, Danutė Karčauskienė
 (Lithuanian Research Centre for Agriculture
 and Forestry, Klaipėda University)
- 14.45–15.00** **Environmental risk assessment of compost prepared**
from different kinds of biodegradable waste
 Karolina Barčauskaitė
 (Lithuanian Research Centre for Agriculture and Forestry)
- 15.00–15.15** **Possibilities of cultivation of perennial grass for energy**
in light-textured soils using sewage sludge compost for fertilization
 Jelena Titova, Eugenija Bakšienė
 (Lithuanian Research Centre for Agriculture and Forestry)
- 15.15–15.30** **Agriculture and environmental auditing in the Baltic**
states after their accession to the European Union
 Edmunds Jansons (Latvia University of Agriculture)

15.30–15.45 **Coffee break**

15.45–16.00 **Evaluation and closing of the conference.**
Conference certificates
(Large Conference Hall)

11.45–13.15 **II. FORESTRY AND HORTICULTURE SECTION**
(Meeting Room 1 – Room 210)

Chairpersons:

Prof. Alfās PLIŪRA,

Prof. Leonardas KAIRIŪKŠTIS

11.45–12.00 **Is there a connection between seed wing shape**
and seed dispersal patterns in Scots pine?
Monika Raškauskaitė (Aleksandras Stulginskis University)

12.00–12.15 **Research on gene copy number variation in Scots pine**
Vilnis Škipars, Baiba Krivmane, Ilze Veinberga, Dainis Rungis
(Latvian State Forest Research Institute ‘Silava’)

12.15–12.30 ***Phytophthora alni* s.l. and *Phytophthora plurivora* species**
complex virulence test on *Alnus glutinosa* seedlings
Goda Norkutė, Dovilė Čepukoit, Vaidotas Lygis, Simone Prospero
(Nature Research Centre, Vilnius University, Swiss Federal
Institute for Forest, Snow and Landscape Research WSL)

12.30–12.45 **Retrotransposon copy number variation in the genomes of Conifers**
Angelika Voronova, Viktorija Belevich, Dainis Rungis
(Latvian State Forest Research Institute ‘Silava’)

12.45–13.00 **Effects of different exogenous auxins on aspen morphogenesis *in vitro***
in the context of auxin transport inhibition by 2,3,5-triiodobenzoic acid
Miglė Vaičiukynė, Jonas Žiauka, Sigutė Kuusienė
(Lithuanian Research Centre for Agriculture and Forestry)

13.00–13.15 **Susceptibility of *Pinus contorta* and**
***Pinus sylvestris* to *Heterobasidion* root rot**
Astra Zaluma, Aris Jansons, Talis Gaitnieks
(Latvian State Forest Research Institute ‘Silava’)

13.15–14.00 **Lunch break**

14.00–15.30 **II. FORESTRY AND HORTICULTURE SECTION**
(Meeting Room 1 – Room 210)

Chairpersons:

Prof. Vidmantas STANYS,

Prof. Pavelas DUCHOVSKIS

- 14.00–14.15** **The effect of selected biostimulants on seed germination in four plant species**
Emilia Mikulewicz, Joanna Majkowska-Gadomska
(University of Warmia and Mazury in Olsztyn)
- 14.15–14.30** **Quantitative differences of bioactive compounds in apples picked from different positions of an apple-tree**
Jonas Viškelis, Mindaugas Liaudanskas, Darius Kviklys
(Lithuanian Research Centre for Agriculture and Forestry, Lithuanian University of Health Sciences)
- 14.30–14.45** ***Botrytis cinerea*: diversity, disease forecasting and control**
Neringa Rasiukevičiūtė, Skaidrė Supronienė, Alma Valiuškaitė
(Lithuanian Research Centre for Agriculture and Forestry)
- 14.45–15.00** **Biologically active compounds and antioxidant activity in pigmented-flesh potatoes grown in Lithuania**
Nijolė Vaitkevičienė (Aleksandras Stulginskis University)
- 15.00–15.15** **The impact of substrate type on nitrate assimilation in green vegetables**
Viktorija Vaštakaitė, Akvilė Viršilė, Aušra Brazaitytė, Sandra Sakalauskienė, Julė Jankauskienė, Algirdas Novičkovas
(Lithuanian Research Centre for Agriculture and Forestry, Vilnius university)
- 15.15–15.30** **Smart city specialization opportunities in Latvia**
Ligita Azena, Baiba Rivža (Latvia University of Agriculture)
- 15.30–15.45** **Coffee break**
- 15.45–16.00** **Evaluation and closing of the conference.
Conference certificates
(Large Conference Hall)**
- 11.45–13.15** **III. ANIMAL SCIENCE AND VETERINARY MEDICINE,
FOOD SAFETY AND QUALITY SECTION**
(Meeting Room 2 – Room 212)
Chairpersons:
Prof. Antanas SEDEREVIČIUS,
Prof. Pranas VIŠKELIS
- 11.45–12.00** **MLST genotypes and antibiotic resistance of *Campylobacter jejuni* isolated from infected children and from poultry products**
Jurgita Aksomaitienė, Sigita Ramonaitė, Aleksandr Novoslavskij, Mindaugas Malakauskas (Lithuanian University of Health Sciences)
- 12.00–12.15** **Inactivation of microorganisms in maple pea (*Pisum sativum* var. *arvense* L.) spread**
Asnate Kirse, Ruta Galoburda, Sandra Muizniece-Brasava, Daina Karklina
(Latvia University of Agriculture)

- 12.15–12.30 Plants for food products with higher nutritional value**
Dovilė Levickienė, Sandra Žaldarienė, Aloyzas Velička
(Aleksandras Stulginskis University)
- 12.30–12.45 Competitiveness of Lithuanian dairy products
in trade with Russia and in alternative markets**
Birutė Stankaitytė (Lithuanian Institute of Agrarian Economics)
- 12.45–13.00 Phenolic and organic acid composition
of steam-blached and dried parsley leaves**
Liga Priecina, Daina Karklina (Latvia University of Agriculture)
- 13.00–13.15 Safety evaluation of nisin-producing *L. lactis* strains**
Kristina Mulkytė, Mindaugas Malakauskas, Neringa Kasnauskytė,
Loreta Šernienė (Lithuanian University of Health Sciences)
- 13.15–14.00 *Lunch break***
- 14.00–15.15 III. ANIMAL SCIENCE AND VETERINARY MEDICINE,
FOOD SAFETY AND QUALITY SECTION
(Meeting Room 2 – Room 212)**
Chairpersons:
Prof. Vidmantas BIŽOKAS,
Prof. Vytautas Konstantinas SIRVYDIS
- 14.00–14.15 Seasonal occurrence of intestinal parasite
infection in Lithuanian village dogs**
Žydrūnė Vienažindienė, Peter Deplazes, Mindaugas Šarkūnas
(Lithuanian University of Health Sciences, University of Zurich)
- 14.15–14.30 Determination of genetic diversity parameters
of *Perca fluviatilis* by using iPBS molecular marker**
Oksana Fokina, Dace Grauda, Isaak Rashal (University of Latvia)
- 14.30–14.45 Detection of zoonotic hepatitis E virus in different animal species**
Ugnė Spancernienė, Jūratė Buitkuvienė, Virginija Sutkienė,
Juozas Grigas, Arūnas Stankevičius (Lithuanian University of Health
Sciences, National Food and Veterinary Risk Assessment Institute)
- 14.45–15.00 Prevalence of bluetongue virus infection among ruminants in Lithuania**
Samanta Staršelskienė, Algirdas Šalomska
(Lithuanian University of Health Sciences)
- 15.00–15.15 Innovative advertising channel for promotion of food products in Latvia**
Natalija Kostrikova (Latvia University of Agriculture)
- 15.15–15.45 *Coffee break***
- 15.45–16.00 Evaluation and closing of the conference.
Conference certificates
(Large Conference Hall)**

ORGANIZING COMMITTEE OF THE CONFERENCE:

Chair: Prof. Dr. Zenonas Dabkevičius

Members:

Prof. Dr. Vidmantas Stanys

Prof. Dr. Henrikas Žilinskas

Prof. Dr. Darius Danusevičius

Prof. Dr. Arvydas Povilaitis

Secretary: Reda Daukšienė

