15-OJI TARPTAUTINĖ JAUNŲJŲ MOKSLININKŲ KONFERENCIJA

JAUNIEJI MOKSLININKAI – ŽEMĖS ŪKIO PAŽANGAI

15TH INTERNATIONAL CONFERENCE OF YOUNG SCIENTISTS

THE YOUNG SCIENTISTS FOR ADVANCE OF AGRICULTURE

26 November 2026, Lithuanian Academy of Sciences, 3 Gedimino Ave, Vilnius

AGRISCI2026

	9.30–10.00	**Registration**		
Grand Hall	**MODERATORS: Acad. Prof. Vytautas Nekrošius, Acad. Prof. Zenonas Dabkevičius, Acad. Prof. Dr Vidmantas Stanys, Acad. Prof. Dr habil. Baiba Rivža**			
	10.00–10.10	**Opening ceremony**		
	PLENARY SESSION			
PLENARY SESSION	**MODERATORS: Acad. Prof. Zenonas Dabkevičius, Acad. Prof. Dr Vidmantas Stanys, Acad. Prof. Dr habil. Baiba Rivža, Young Acad. Dr Neringa Rasiukevičiūtė**			
	10.10–10.25	Acad. Dr Giedrė Samuolienė	*Lithuanian Research Centre for Agriculture and Forestry*	**Beyond yield: unlocking plant potential in controlled environments**
	10.25–10.55	Dr habil. Rimvydas Vasaitis	*Swedish University of Agricultural Sciences*	**Investigating insect-associated fungi: a case study of the invasive bark beetle *Polygraphus proximus***
Panel discussion	**MODERATORS: Young Acad. Dr Paulina Štreimikytė, Young Acad. Dr Edvinas Misiukevičius**			
	10.55–11.25	**Representatives from the Royal Swedish Academy of Agriculture and Forestry, and Lithuanian Academy of Sciences**		**The future of the European Young Academy of Agriculture, Food and Natural Sciences**
	11.25–11.40	**Group photo and coffee break**		



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SECTION 1. Agronomy, Horticulure

MODERATORS: Acad. Prof. Dr Vidmantas Stanys, Young Acad. Dr Rūta Sutulienė

11.40–11.50	Jurinta Voišvilo	*Lithuanian Research Centre for Agriculture and Forestry, Institute of Agriculture, Lithuania*	**Snow mould response of anthocyanin-rich winter wheat genotypes under three cropping systems**
11.50–12.00	Minhang Qiao	*Institute of Horticulture, Slovak University of Agricultur in Nitra, Slovak Republic*	**Effects of *Litsea cubeba* essential oil on the growth and protein mass spectral profiles of *Agrobacterium radiobacter***
12.00–12.10	Nasim Safari	*Lithuanian Research Centre for Agriculture and Forestry, Institute of Agriculture, Lithuania*	**Light spectrum influences growth performance and metabolic responses of two *Thymus* species under Controlled Environment Agriculture (CEA)**
12.10–12.20	Vivita Viksnina	*Latvia University of Life Sciences and Technologies, Latvia*	**Growth regulation without vegetation arrest: effects of a fermentation-derived phytohormone complex combined with soil microbiome enhancement in winter wheat and winter oilseed rape**
12.20–12.30	Zarqa Hassan	*Lithuanian Research Centre for Agriculture and Forestry, Institute of Horticulture, Lithuania*	**Green synthesis of antimicrobial silver nanoparticles using *Cucurbita maxima* peel waste for sustainable crop protection**
12.30–12.40	Yaqoob Sultan	*Lithuanian Research Centre for Agriculture and Forestry, Institute of Agriculture, Lithuania*	**Drought-induced flavonoid biosynthesis and chalcone synthase upregulation reflect cultivar-specific responses in *Lotus corniculatus***
12.40–12.50	Kristína Predanócyová	*AgroBioTech Research Centre, Slovak University of Agricultur in Nitra, Slovak Republic*	**Consumer acceptance, sensory preferences and consumption potential of walnut-based fruit snacks among generation Z**
12.50–13.00	Tanzila Rafique	*Lithuanian Research Centre for Agriculture and Forestry, Institute of Horticulture, Lithuania*	**Optimization of growing and healing conditions in tomato grafting**
13.00–13.10	Olha Posunko	*Lithuanian Research Centre for Agriculture and Forestry, Institute of Horticulture, Lithuania*	**Development of an *in vivo* crosslinking and fractionation workflow for studying cold-responsive protein interactions in apple**
13.10–13.20	Siddiqua Ilyas	*Lithuanian Research Centre for Agriculture and Forestry, Institute of Horticulture, Lithuania*	**Horticultural by-products as a source for antioxidant and phenolic compounds extraction**



SECTION 2. Forestry

MODERATORS: Acad. Prof. Dr Gediminas Brazaitis, Young Acad. Dr Darius Kavaliauskas

11.40–11.50	Santa Celma	*Latvia University of Life Sciences and Technologies, Latvian State Forest Research Institute SILAVA, Latvia*	**Growth performance, stem quality, and climatic responses of local- and Swedish-origin sweet cherry (*Prunus avium* L.) trees in Latvian plantations**
11.50–12.00	Yanal Alkuddsi	*Lithuanian Research Centre for Agriculture and Forestry,* Institute of Forestry, *Lithuania*	**Integrated assessment of hybrid poplar and aspen clones for bioenergy production, biorefinery applications, and carbon sequestration**
12.00–12.10	Šarūnas Kukcinavičius	*Vytautas Magnus University Agriculture Academy, Lithuania / Southern Illinois University, School of Forestry and Horticulture, USA*	**Relationships of fire, tree growth, and climate: a dendrochronological study of Scots pine in hemiboreal forests of Lithuania**
12.10–12.20	Irfan Abbas	*Kaunas University of Technology, Centre of Real-Time Computer Systems, Lithuania*	**From individual-tree segmentation to forest structural estimates: error propagation in multispectral airborne LiDAR**
12.20–12.30	Agrita Žunna	*Latvian State Forest Research Institute SILAVA, Latvia*	**From awareness to action: barriers to effective prevention of wolf depredation in Latvia**
12.30–12.40	Muhammad Ahsan Shahzad	*Vytautas Magnus University, Agriculture Academy, Lithuania*	**Assessment of climatic factors and long-term growth trends of European beech in Lithuania**
12.40–12.50	Kristaps Ozoliņš	*Latvian State Forest Research Institute SILAVA, Latvia*	**Assessing the effects of meteorological conditions on the nesting success of the black stork (*Ciconia nigra*) in a peripheral population in Latvia**
12.50–13.00	Syeda Hijab Zehra	*Lithuanian Research Centre for Agriculture and Forestry, Institute of Horticulture, Lithuania*	**Enhancing the green synthesis of antimicrobial silver nanoparticles through biological preprocessing of *Tilia cordata***
13.00–13.10	Selita Rancāne	*Latvian State Forest Research Institute SILAVA, Latvia*	**Diversity of ophiostomatoid fungi associated with the bark beetle Ips acuminatus and its host tree *Pinus sylvestris* in Latvia**
13.10–13.20	Austėja Gruzdaitė	*Lithuanian University of Health Sciences, Faculty of Animal Science, Institute of Animal Rearing Technology, Lithuania*	**Sensory profiling and texture analysis of wild red deer and roe deer meat**



SECTION 3. Food safety and Veterinary medicine

MODERATORS: Acad. Prof. Dr Elena Bartkienė, Young Acad. Dr Aistė Balčiūnaitienė

11.40–11.50	Arina Polujanenkova	*Estonian University of Life Sciences, Institute of Veterinary Medicine and Animal Sciences, Estonia*	**The effect of water-saturated far-infrared (FIR) emitting bioceramic bandages on equine distal limb thermoregulation**
11.50–12.00	Samanta Grigė	*Lithuanian University of Health Sciences, Large Animal Clinic, Veterinary Academy, Lithuania*	**Association of rumination time with blood biochemical profiles in early-lactation Holstein cows**
12.00–12.10	Eva Ivanišová	*Institute of Food Sciences, Faculty of Biotechnology and Food Sciences, Food Incubator in SUA Nitra s.r.o., AgroBioTech Research Centre, Slovak University of Agriculture in Nitra, Slovak Republic*	**Comparative evaluation of antioxidant properties and bioactive phenolic compounds in plants with adaptogenic potential**
12.10–12.20	Valdonė Riaukaitė	*Lithuanian University of Health Sciences, Faculty of Medicine, Lithuania*	**Clinical and epidemiological assessment of feline lower urinary tract diseases**
12.20–12.30	Patrik Cvik	*AgroBioTech Research Centre, Slovak University of Agricultur in Nitra, Slovak Republic*	**Effects of scoby fermentation and quercetin–lecithin enrichment on the physicochemical and antioxidant**
12.30–12.40	Aistė Gradeckienė	*Lithuanian University of Health Sciences, Veterinary Academy, Dr L. Kriaučeliūnas Small Animal Clinic, Lithuania*	**Diagnostic value of blood inflammatory indices in dogs with meningoencephalitis of unknown origin**
12.40–12.50	Eva Ivanišová	*Institute of Food Sciences, Faculty of Biotechnology and Food Sciences, Food Incubator in SUA Nitra s.r.o., AgroBioTech Research Centre, Slovak University of Agriculture in Nitra, Slovak Republic*	**Evaluation of antioxidant potential and bioactive compounds in seeds of dill, nasturtium, and mallow as promising non-traditional raw materials for functional beverages**
12.50–13.00	Airidas Valančius	*Lithuanian University of Health Sciences, Veterinary Academy, Lithuania*	**Changes in genomic evaluation results of dairy cow traits related to milk production sustainability across different evaluation periods**
13.00–13.10	Raimonda Tamulionytė-Skėrė	*Lithuanian University of Health Sciences, Large Animal Clinic, Faculty of Veterinary Medicine, Lithuania*	**Relationships between corpus luteum blood flow, progesterone and VEGF-A in mares**
13.10–13.20	Aistė Gydraitė	*Lithuanian University of Health Sciences, Large Animal Clinic, Faculty of Veterinary Medicine, Lithuania*	**Effect of dry period duration on colostrum brix values and estimated colostral immunoglobulin G concentrations in dairy cows**



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SECTION 4. Horticulture, Agronomy, Food safety, and Veterinary medicine

MODERATORS: Young Acad. Dr Paulina Štreimikytė, Young Acad. Dr Edvinas Misiukevičius

11.40–11.50	Evelina Zavtrikovienė	*Lithuanian Research Centre for Agriculture and Forestry, Institute of Agriculture, Lithuania*	**Biocontrol potential of *Bacillus velezensis* 12–45 against *Fusarium* spp. from non-gramineous plants and weeds**
11.50–12.00	Linda Upeniece	*Institute of Agricultural Resources and Economics, Latvia University of Life Sciences and Technologies, Latvia*	**Preliminary identification of fungi associated with early blight symptoms in potatoes in Latvia**
12.00–12.10	Egidija Barbaravičė	*Lithuanian Research Centre for Agriculture and Forestry, Institute of Agriculture, Lithuania*	**Shotgun metagenomics reveals drought-associated microbial taxa and functional potential in the winter wheat rhizosphere**
12.10–12.20	Waleed Iqbal	*Vytautas Magnus University, Agriculture Academy, Lithuania*	**Salicylic acid decouples oxidative protection from yield gain in wheat across an irrigation gradient**
12.20–12.30	Roberta Lazarevičienė	*Lithuanian Research Centre for Agriculture and Forestry, Institute of Horticulture, Lithuania*	**Phenolic content and antioxidant potential of salad burnet (*Sanguisorba minor* L.) at different harvest times**
12.30–12.40	Sidra Tul Muntaha	*Lithuanian Research Centre for Agriculture and Forestry, Institute of Agriculture, Lithuania*	**Nettle slurry as a plant biostimulant: interactions with mineral nitrogen and effects on growth traits and soil dehydrogenase activity in spring wheat**
12.40–12.50	Michal Mihal	*AgroBioTech Research Centre, Slovak University of Agricultur in Nitra, Slovak Republic*	**Pterostilbene and its effects on human ovarian granulosa cell functions *in vitro***
12.50–13.00	Veronika Šimora	*AgroBioTech Research Centre, Slovak University of Agriculture in Nitra, Slovak Republic*	**Antimicrobial activity of basil (*Ocimum basilicum*) and immortelle (*Helichrysum* sp.) hydrolates against selected bacteria and yeast**
13.00–13.10	Khadija Ramzan	*Lithuanian Research Centre for Agriculture and Forestry, Institute of Horticulture, Lithuania*	**Matrix-dependent recovery of bioactive compounds from beetroot and raspberry by-products using ultrasound-assisted extraction**
13.10–13.20	Ugnė Maselytė	*Lithuanian Research Centre for Agriculture and Forestry, Institute of Horticulture and Kaunas University of Technology, Lithuania*	**Upcycling of floricultural residual biomass: *Chrysanthemum × morifolium* as potential source of bioactive compounds for circular bioeconomies**
13.20–13.50	**Lunch**		



SECTION 5. Agriculture, Agrobiology, Agroecology

MODERATORS: Young Acad. Dr Vilma Naujokienė, Young Acad. Dr Aistė Balčiūnaitienė

13.50–14.00	Rimantė Nokšaitė	*Kaunas University of Technology and Lithuanian Research Centre for Agriculture and Forestry, Institute of Agriculture, Lithuania*	**Microplastics as emerging vectors of heavy metal transport in soils**
14.00–14.10	Maryna Kapustian	*Lithuanian Research Centre for Agriculture and Forestry, Institute of Agriculture, Lithuania*	**Investigating the seed yield potential of diploid and tetraploid red clover (*Trifolium pratense* L.) cultivars under Lithuanian conditions**
14.10–14.20	Sandra Kirkilienė	*Vytautas Magnus University, Agriculture Academy, Lithuania*	**Endophytic bacteria in agriculture: biological nitrogen fixation and benefits for plants**
14.20–14.30	Samuel Aanuoluwapo Fasusi	*Lithuanian Research Centre for Agriculture and Forestry, Institute of Agriculture, Lithuania*	**Trait association study of weevil damage, seed protein, and phenotypic traits in eight faba bean cultivars infested by broadbean weevil**
14.30–14.40	Aaqib Javid	*Lithuanian Research Centre for Agriculture and Forestry, Institute of Agriculture, Lithuania*	**Integrative cross-dataset analysis of the *Triticum aestivum* non-coding transcriptome under climate stress**
14.40–14.50	Inga Megne	*Latvia University of Life Sciences and Technologies, Latvia*	**From structural potential to bioregional development: the role of institutional capacity in rural Latvia**
14.50–15.00	Denis Bažány	*AgroBioTech Research Centre, Slovak University of Agriculture in Nitra, Slovak Republic*	**Dose-dependent effects of Maitake (*Grifola frondosa*) extract on human ovarian cells: from TGF-β1 suppression to cytotoxicity**
15.00–15.10	Edvinas Meižys	*Lithuanian Research Centre for Agriculture and Forestry, Institute of Agriculture, Lithuania*	**Influence of waste-derived acidic organic-mineral fertilizers on peat chemical properties and berry polyphenol content in highbush blueberry**
15.10–15.20	Iryna Riaba	*Institute of Horticulture of National Academy of Agrarian Sciences of Ukraine, Ukraine*	**Efficacy of *in vitro* chemotherapy for raspberry bushy dwarf virus (*Idaeovirus rubi*) elimination in raspberry cv. 'Perseya'**
15.20–15.30	Boukhalef Laila	*Ait Melloul University Campus, Ibn Zohr University, Ait Melloul*	**Performance and adaptive strategies developed by some woody species under arid climate conditions**



SECTION 6. Agronomy, Agrobiology, Agroecology, and Agricultural engineering

MODERATORS: Young Acad. Dr Jonas Viškelis, Young Acad. Dr Paulina Štreimikytė

13.50–14.00	Siva Teja Sowrya Yannana	*Vytautas Magnus University, Agriculture Academy, Lithuania*	**Simulation analysis of particle behaviour during biochar and manure fertilizer granulation**
14.00–14.10	Klaudija Meižienė	*Lithuanian Research Centre for Agriculture and Forestry, Institute of Agriculture, Lithuania*	**Effects of tillage, crop management and reduced nitrogen fertilization on soil CO_2 emissions and winter wheat performance**
14.10–14.20	Vilija Lapinskaitė	*State Scientific Research Institute Nature Research Centre, Lithuania*	**Microbial diversity and antimicrobial resistance genes in honey bee drones and dandelions: potential routes of transmission**
14.20–14.30	Justinas Gegeckas	*Lithuanian Research Centre for Agriculture and Forestry, Institute of Agriculture, Lithuania*	**Effectiveness of adaptation measures for agricultural crop productivity under changing climate conditions**
14.30–14.40	Rugilė Krasuckytė	*Institute of Biosciences Life Science Center, Vilnius University, Lithuania*	**Search for soil microorganism strains exhibiting antibacterial activity**
14.40–14.50	Vladimíra Bella	*AgroBioTech Research Centre, Slovak University of Agriculture in Nitra, Slovak Republic*	**Influence of botanical origin and drying temperature on the antioxidant potential of monofloral bee pollen**
14.50–15.00	Jūratė Udraitė	*Life Sciences Center, Vilnius University, Lithuania*	**Screening and genomic analysis of pyrethroid-degrading bacterial carboxylesterases**
15.00–15.10	Dovilė Motiejauskaitė	*Lithuanian Research Centre for Agriculture and Forestry, Institute of Agriculture, Lithuania*	**Microplastic contamination and physicochemical characteristics of sewage sludge and its treatment products: implications for agricultural soils**
15.10–15.20	Abdul Basit	*Recep Tayyip Erdoğan University, Faculty of Agriculture, Türkiye*	**Revealing meiotic abnormalities and cytological approach to induce 2n gamete formation in the interspecific lilium hybrid**
15.20–15.30	Asif Iqbal	*Hazara University, Department of Agriculture, Pakistan*	**Omics analysis reveals the involvement of carbon and flavonoid biosynthesis in low phosphorus tolerance in cotton**



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SECTION 7. Horticulture, Agronomy

MODERATORS: Acad. Dr Giedrė Samuolienė, Young Acad. Dr Neringa Rasiukevičiūtė

13.50–14.00	Vytautas Bunevičius	*Lithuanian Research Centre for Agriculture and Forestry, Institute of Horticulture, Lithuania*	**Efects of soil amendments on the growth of replanted apple rootstock G.41 and soil fungal community**
14.00–14.10	Justina Griauzdaitė	*Lithuanian Research Centre for Agriculture and Forestry, Institute of Horticulture, Lithuania*	**Propolis extracts as potential biocontrol agents against *Botrytis cinerea***
14.10–14.20	Ayesha Khan	*Lithuanian Research Centre for Agriculture and Forestry, Institute of Horticulture, Lithuania*	**Using hydroponic solution salinity to enrich phytochemicals in facultative halophytes**
14.20–14.30	Justinas Raginskis	*Lithuanian Research Centre for Agriculture and Forestry, Institute of Horticulture and Kaunas University of Technology, Lithuania*	**Finding the balance between lighting energy use efficiency and phytochemical yield in *Leonurus cardiaca* cultivated in vertical farm**
14.30–14.40	Yevheniia Hol	*Lithuanian Research Centre for Agriculture and Forestry, Institute of Horticulture, Lithuania*	**Biochemical potential of fermented birch sap supplemented with berry leaves**
14.40–14.50	Daiga Birzleja	*Lithuanian Research Centre for Agriculture and Forestry, Institute of Horticulture, Lithuania*	**The effects of dill essential oil on the growth of *Fusarium* spp. *in vitro***
14.50–15.00	Edvinas Genys	*Lithuanian Research Centre for Agriculture and Forestry, Institute of Horticulture and Vytautas Magnus University, Agricultue Academy, Bioeconomy Research Institute, Lithuania*	**Biochemical properties and antioxidant activity of apple cider vinegar**
15.00–15.10	Muhammad Mudasir	*Czech University of Life Sciences Prague, Faculty of Tropical AgriSciences, Czech Republic*	**Genotypic evaluation of upland cotton for drought tolerance using physiological traits and drought tolerance indices**
15.10–15.20	Muhammad Anwar-Ul-Haq	*University of Modena and Reggio Emilia, Italy*	**Genomic prediction and heritability estimates of physiological and agronomic traits in processing tomato**



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SECTION 8. Agronomy, Food safety, and Veterinary medicine

MODERATORS: Young Acad. Dr Rūta Sutulienė, Young Acad. Dr Edvinas Misiukevičius

13.50–14.00	Gabija Lembovičiūtė	*Lithuanian University of Health Sciences, Large Animal Clinic, Faculty of Veterinary Medicine, Lithuania*	**Non-invasive monitoring of welfare-related behavioral and production dynamics around metritis and subclinical mastitis in dairy cows**
14.00–14.10	Kristína Predanócyová	*AgroBioTech Research Centre, Slovak University of Agriculture in Nitra, Slovak Republic*	**Exploring the potential of walnuts for beverage development from a consumer perspective**
14.10–14.20	Alina Sivacova	*Latvia University of Life Sciences and Technologies, Food Institute, Latvia*	**Aeration-enhanced acid whey permeate valorisation: increased protein-rich yeast biomass production and reduced by-product accumulation**
14.20–14.30	Kamilė Kačiulytė	*Lithuanian University of Health Sciences, Large Animal Clinic, Faculty of Veterinary Medicine, Lithuania*	**Litter size and birth weight influence the association between ewe colostrum Brix classification and lamb growth**
14.30–14.40	Bernadeta Grigaitė	*Lithuanian University of Health Sciences, Large Animal Clinic, Faculty of Veterinary Medicine, Lithuania*	**Milk composition and peripheral blood leukocyte profiles in mares under different pre-milking suckling practices**
14.40–14.50	Ieva Mingailaitė	*Lithuanian University of Health Sciences, Lithuania*	**Ultrasonographic characterization of ovarian follicular phenotypes in warmblood mares**
14.50–15.00	Asta Kupčinskienė	*State Scientific Research Institute Nature Research Centre, Lithuania*	**Uninvited guests in pigs: *Sarcocystis* species across different tissues in Lithuania**
15.00–15.10	Osalade, Oluwaseun Opeyemi	*University of Ibadan, Department of Animal Science, Nigeria*	**Orange peel powder as a natural growth promoter for sustainable broiler chicken production**
15.10–15.20	Nuri Humay Kamran	*Research Institute of Crop Husbandry, Ministry of Agriculture of the Azerbaijan Republic, Azerbaijan*	**Physiological variation among lentil accessions under the agroecological conditions of Azerbaijan**
15.20–15.30	Aysel Labazanova	*Research Institute of Crop Husbandry, Azerbaijan*	**Evaluation of barley genotypes for resistance to yellow and brown rust under different agroecological conditions in Azerbaijan**

211, Small Hall 15.30–16.00 **Closing ceremony**

