

SAIH2018

International Conference of the
Scientific Actualities and
Innovations in Horticulture
2018
June 4-6, 2018



Preliminary Schedule at a Glance

Monday, 4-June	
8.00 – 9.30	REGISTRATION
9.30 – 9.45	Opening Gintaras BRAZAUSKAS (Lithuanian Research Centre for Agriculture and Forestry, Director) Audrius SASNAUSKAS (Institute of Horticulture, LAMMC, Director) Giedrė SAMUOLIENĖ (Institute of Horticulture, LAMMC, Deputy Director for Research)
Session 1. Ecological and Technological Aspects. Keynote Lecture	
<i>Chairs</i>	Laila Ikase (Institute of Horticulture, University of Life Sciences and Technology, Latvia)
9.45 – 10.15	Neringa RASIUKEVIČIŪTĖ. The influence of LED light on <i>Botrytis cinerea</i> biometric and biological features (Lithuania)
Oral Presentations	
10.15 – 10.30	Zanda REZGALE. Incidence of postharvest pathogens on apple during storage (Latvia)
10.30 – 10.45	Mirosław SITAREK. Performance of ‘Sylvia’ and ‘Karina’ sweet cherry trees on five clonal rootstocks in long-term investigation (Poland)
10.45 – 11.00	Edgars RUBAUSKIS. Yield potential and apple orchard sustainability on dwarf rootstocks (Latvia)
11.00 – 11.30	COFFEE BREAK
11.30 – 11.45	Lina ŠERNAITĖ. The antifungal activity of plant extracts against <i>Botrytis cinerea</i> Pers (Lithuania)
11.45 – 13.00	Flash presentations
11.45	Armina Morkeliūnė. Essential oils against strawberry anthracnose
11.50	Magdalena Nawrotek. Soil acidity and salinity from roundabouts in Rybnik and Oświęcim
11.55	Laisvūnė Duchovskienė. Can <i>Tetranychus Urticae</i> Koch. be a wild cucumber <i>Echinocystis Lobata</i> (mich.) pest?
12.00	Veranika S. Kamardzina. Phytosanitary condition of apple scab resistant and immune cultivars of domestic breeding, cultivated in the orchards of Belarus
12.05	Constantina Chireceanu. Survey on the presence of the leafhopper <i>Scaphoideus titanus</i> Ball in vineyards in Western Romania

12.10	Alma Valiuškaitė. Challenges of <i>Cydia pomonella</i> L. control under climatic changes
12.15	Aliksandr Mikhniuk. Effectiveness of the herbicide Alion, SC in the apple-tree nursery
12.20	Jovita Liutkutė. Antifungal effect of oregano essential oils on <i>Alternaria</i> spp.
12.25	Iwona Kowalska. Effect of mycorrhiza on yield and quality of lettuce grown on medium with different levels of phosphorus and selenium
12.30	Elena Survilienė-Radzevičė. The incidence of new pathogens on carrots roots in storage
12.35	Asta Bylaitė. Early response to <i>Botrytis cinerea</i> infection in two different varieties of lettuce
12.40	Daiva Burokienė. Fungal diseases of cold-stored <i>Daucus carota</i> in Lithuania
12.45	Ilma Rimkevičienė. Modernisation and development of information, advisory and training electronic services in the field of integrated plant protection
12.50	Danguolė Kavaliauskaitė. Impact of concentrated and granulated organic fertilizers on yield of white cabbage and soil productivity
12.55	Maria Caus. Influence of plant growth regulator Reglalg application on physiological responses in <i>Cucumis sativus</i> L. seedlings and <i>Solanum lycopersicum</i> L. plants
CONFERENCE PHOTO	
13.00 – 14.00	LUNCH
Session 2. Product Quality and Post-harvest. Keynote Lecture	
<i>Chairs</i>	Ewa Hanus-Fajerska (University of Agriculture in Krakow, Poland)
14.00 – 14.30	Rosa Maria RODRIGUEZ JASSO. Bio-assisted extraction for active compounds production from vegetable and fruit by-products. (México)
Oral Presentations	
14.30 – 14.45	Dina ELISOVETCAIA. Evaluation of antioxidant activity and phenolic compounds of <i>Juniperus sabina</i> from the Republic of Moldova and Slovakia (Republic of Moldova)
14.45 – 15.00	Dalia URBONAVIČIENĖ. Biologically active compounds composition and antioxidant activity of tomatoes SCE-CO ₂ extracts (Lithuania)
15.00 – 15.15	Reelika RÄTSEP. Evaluation of seed content and composition of fatty acids in blackcurrant (<i>Ribes nigrum</i> L.) genotypes (Estonia)
15.15 – 15.45	COFFEE BREAK
15.45 – 16.00	Bożena MATYSIAK. The effect of supplementary white, blue and red LED lighting on growth and quality of leafy greens grown in a greenhouse during wintertime (Poland)
16.00 – 16.15	Stanisław KANISZESKI. Effects of supplementary lighting with the new LED lamps on the growth and quality of tomato and cucumber transplants (Poland)
16.15 – 16.55	Flash presentations
16.15	Cristina Petrisor. Organic acids and sugars profile of some grapevine cultivars affected by yellows grapevine symptoms
16.20	Anna Kolton. Plants' pigments during pre- and post-harvest treatments of lettuce 'Redin'

16.25	Edita Dambrauskienė. The <i>Coriandrum sativum</i> essential oil effect on <i>Cucumis sativus</i> seeds
16.30	Grzegorz Bazylak. Inulin composition exerting protective effect against storage of tumorigenic ioxynil residues in garlic
16.35	Olena Vergun. Evaluation of plant raw material of <i>Galega officinalis</i> L. and <i>Galega orientalis</i> Lam.
16.40	Ramunė Bobinaitė. Physicochemical characteristics of fruit leathers supplemented with berry press residues
16.45	Mahdi Mirzaei. Evaluation of <i>Pseudomonas</i> and <i>Pantoea</i> bacteria as antagonistic agents for biological control of fire blight
16.50	Katsiaryna Vasekha. Apple anthracnose and some chemical measures of the disease control in Belarus

Tuesday, 5-June

Session 3. Genetics, Physiology and Breeding. Keynote Lecture

Chairs *To be Announced*

9.45 – 10.15 **Anna KOLTON.** Relation of nitrate reductase and protein phosphatase 2A activity in tomato seedlings under hypoxia stress in root system (Poland)

Oral Presentations

10.15 – 10.30 **Dessislava TODOROVA.** Exogenous auxin-type compounds amend PEG-induced physiological responses of pea plants (Bulgaria)

10.30 – 10.45 **Malgorzata PODWYSZYŃSKA.** *In vitro* polyploidisation of tulips (*Tulipa gesneriana* L.) and phenotype evaluation of tetraploids (Poland)

10.45 – 11.00 **Laila IKASE.** Breeding apples for improved biochemical content and firmness at Institute of Horticulture, Latvia (Latvia)

11.00 – 11.30 **COFFEE BREAK**

11.30 – 11.45 **Magdalena KULIG.** Problems with intra- and interspecific breeding of irises (*Iris* sp.) (Poland)

11.45 – 12.00 **Lidia SAS PASZT.** Influence of bioproducts in the organic cultivation of horticultural plants on increasing populations of beneficial microorganisms in the rhizosphere of these plants (Poland)

12.00 – 12.30 **Flash presentations**

12.00 **Rasa Karklelienė.** Jerusalem artichoke cultivar 'Sauliai'

12.05 **Olga Grygorieva.** Variation of fruits morphometric parameters of *Elaeagnus multiflora* Thunb. germplasm collection

12.10 **Antanina Stankevičienė.** The variety and status of *Sorbus* L. genus plants at greeneries of Lithuanian cities

12.15 **Monika Czaja.** Leaf characteristics of *Ginkgo biloba* L. growing in an urban environment outside of its habitat

12.20 **Malgorzata Podwyszyńska.** Evaluation of nuclear DNA content / ploidy level of the rootstocks of genus *Prunus* used for plum cultivation

12.25 **Elžbieta Jankovska-Bortkevič.** Effects of polyamines on cold stress resistance of common bean

12.30 **Ingrida Mažeikienė.** RNA stability and infectivity of Blackcurrant reversion virus

12.35	Slawomir Michalek. The effect of pre-sowing treatment of seeds with silver nanoparticles on the early developmental stages of green beans
12.40	Aušra Brazaitytė. The impact of photoperiod on the growth and internal quality of mustard microgreens
12.45	Svetlana Pavlova. New pesthole of plum pox virus in Odessa region (Ukraine)
12.50	Dzintra Dēķena. The influence of plum rootstock on the flowering intensity depending on the content of dry matter and reducing sugars in the annual shoots
12.55	Viktorija Vaštakaitė. The contents of mineral elements in tatsoi microgreens grown in different substrates
13.00 – 14.00	LUNCH

Session 4. Applied Horticulture	
<i>Chairs</i>	Bożena Matysiak (Research Institute of Horticulture, Poland)
14.00 – 14.15	Ewa HANUS-FAJERSKA. How plant choice may influence ecosystem services, landscape and air quality in cities (Poland)
14.15 – 14.30	Carmen Otilia RUSĂNESCU. Impact of biochar use in agriculture (Romania)
Oral Presentations	
14.30 – 14.45	Begea MIHAELA. Increasing the production of eggplant and pepper in the conditions of improving the garden soil through ecological fertilization (Romania)
14.45 – 15.00	Vida MILDAŽIENĖ. Molecular processes involved in plant response to pre-sowing seed treatment with cold plasma and electromagnetic field (Lithuania)
15.00 – 15.15	Nidal SHABAN. Life Science Universities address the challenge of the Sustainable Development Goals (Bulgaria)
15.15 – 15.45	COFFEE BREAK
15.45 – 16.00	Šarūnė MORKŪNAITĖ-HAIMI. <i>Malus x domestica</i> lipid remodeling during acclimation and seasonal changes (Lithuania)
16.00 – 16.15	Auwal Ibrahim MAGASHI. Performance evaluation of soybeans (<i>Glycine max</i> L., Merr.) genotypes across different locations (Nigeria)
16.15 – 16.45	Flash presentations
16.15	Stasė Dapkūnienė. Medicinal plants in Lithuania-Poland border farmsteads
16.20	Maria Tartaglia. The defense responses in tomato-aphid interaction in plants grown on soil with biochar
16.25	Jonas Viškelis. Geographical fruit growing location affects the antioxidant activity of apple fruits
16.30	Ewa Hanus-Fajerska. The importance of sea aster as new multipurpose species
16.35	Agnieszka Z. Lis-Krzyściń. The effect of fertilisation on chemical composition of rose leaves
16.40	Bożena Matysiak. Frost tolerance of selected Rosa cultivars from the collection of Gene Bank at Research Institute of Horticulture in Poland during spring deacclimation under warming climate
16.45	Vidmantas Bendokas. Pre-breeding for future challenges in Nordic fruit and berries – a new 'NORDFRUIT' project
17.00 – 20.00	CONFERENCE DINNER
Wednesday, 6-June	

9.00 – 19.00	Conference Tour
9.00	Leaving Europa Royale Hotel, Kaunas
11.00	Technical tour to Audrius Juškos Farm (http://audriusjuskosukis.lt)
13.00	Lunch
15.30	Technical tour to Orchard Farm
19.00	Return to Europa Royale Hotel, Kaunas