



CONFERENCE PROGRAM

Wednesday, 25 August 2021

oral /o/ presentations
key speaker

flash /f/
presentations

poster /p/
overview

10.00-10.30 Opening		
time	speaker No.	presentation
10.30-11.15	1	Ulrich Schmutz: Agroecology innovations for sustainable horticulture in Europe
11.15-11.35	01	Thyago Rodrigues do Carmo Brito: Life cycle assessment for olives production: a case study for the Region of Trás-os-Montes, Portugal
11.35-11.55	02	Līga Lepse: Vegetable management strategies for sustainable production
11.55-12.15	03	Michael Blanke: Light deprivation as herbicide?
12.15-12.35	04	Florian Gierling: Mitigation strategies to reduce the carbon footprint of wine from temperate climate - is white wine more sustainable than red wine?
12.35-12.55	05	Edgars Rubauskis: Effectiveness of mechanical action to improve stability of apple production
Break		
14.00-14.45	2	Alessandra Trinchera: Crop diversification: a driver of microbial functional diversity in soil
14.45-15.05	06	Sandra Dane: The first steps in research of soil biological activity in LatHort
15.05-15.25	07	Simona Chrpačienė: Investigation of alternative sources of biopesticides from plants
15.25-15.45	08	Neringa Rasiukevičiūtė: LED-light for strawberry Botrytis cinerea control
15.55-16.05	09	Sílvia Afonso: Effect of glycine betaine and seaweed-based biostimulant in physiological performance and water status of sweet cherry trees
16.05-16.25	010	Ieva Erdberga: Dynamics of tomato yield and its quality under different types of lighting
16.30-18.00 Flash presentations		
	f1	Sílvia Afonso: Seaweed-based and glycine betaine biostimulants improved sweet cherry quality
	f2	Michael Blanke: Can forcing partially substitute for chilling?
	f3	Anabela Fernandes-Silva: Olive phenology and heat requirement for different olive cultivars in a hot dry region of Portugal
	f4	Ilze Grāvīte: Cold damages of domestic plum (<i>P. domestica L.</i>) buds
	f5	Kaspars Kampuss: Golden currant (<i>Ribes aureum Pursh.</i>) cultivar growth, development and yield formation in different growing systems
	f6	Edite Kaufmane: Results of propagation for three cultivars of Japanese quince (<i>Chaenomeles japonica</i>)
	f7	İlbilge Oğuz: Goji berry (<i>Lycium spp</i>) Cultivation in the Turkey
	f8	Toivo Univer: Tree vigor, yield and its quality of the apple cultivar 'Dace' on different clonal rootstocks in a young orchard
	f9	Patrycja Woszczyk: Growth and development of Hippeastrum seedlings in response of different light spectra of LED lamps
	f10	Svetlana Motyleva: Drought effects on the physiological and biochemical parameters of Actinidia (C-4) plants



16.30-18.00	Flash presentations
f11	Laisvūnė Duchovskienė: Genetic variation in population of onion thrips (<i>Thrips tabaci</i> (Thysanoptera: Thripidae)) in Lithuania and their link with sustainable grown vegetable
f12	Beata Kowalska: Antifungal activities of volatile compounds released from <i>Brassica juncea</i> seeds against grey mould agent <i>Botrytis cinerea</i>
f13	Arturs Stalažs: New food plants for <i>Igutettix oculatus</i> (Hemiptera) and <i>Otiorhynchus smreczynskii</i> (Coleoptera)
f14	Neda Zulge: Evaluation of Apple Chlorotic Leaf Spot Virus impact on Fruit Yield and Vegetative Growth
f15	Monika Markiewicz: Expression of genes related to the response of <i>Brassica</i> plants to <i>Plasmodiophora brassicae</i> infection and selection of the potential molecular markers for clubroot resistance
f16	Ivo Oliveira: Effects of Different Processing Treatments on Almond (<i>Prunus dulcis</i>) Chemical and Sensorial Characteristics

Thursday, 26 August 2021

10.00-10.05		Welcome Day No. 2
time	speaker No.	presentation
10.05-10.50	3	Darius Kviklys: Searching for the ideal apple rootstock
10.50-11.10	o11	Anabela Fernandes-Silva: Relationships between leaf pigment content and vegetation indices of olive tree leaves
11.10-11.30	o12	Inger Hjalmarsson: Strawberry cultivars preserved in the Swedish National Gene Bank
11.30-11.50	o13	Ozgecan Yalcin: Wild edible small fruits in Turkey and their fruit characteristics
11.50-12.10	o14	Olga Panfilova: Evaluation of introduced red currant cultivars and breeding genotypes based on them in a temperate continental climate
12.10-12.30	o15	Laila Ikase: Current achievements of the Latvian apple breeding program

Break

13.30-14.15	4	Stefan Rilling: Sustainability in Horticulture using Multi-Sensor Systems
14.15-14.35	o16	Toms Bartulsons: Apple Scab Detection in the Early Stage of Disease using Convolution Neural Network
14.35-14.55	o17	Georgijs Baškirovs: An eco-friendly method for simultaneous determination of tocopherols, tocotrienols and plastoehromanol-8 in oils using supercritical fluid chromatography
14.55-15.05	o18	Ivo Oliveira: Effects of Different Processing Treatments on Almond (<i>Prunus dulcis</i>) Fatty Acid Profile
15.05-15.25	o19	Vitālijs Radenkovs: Highly efficient release of ferulic acid from agro-industrial by-products by cellulose-degrading enzymes (FerulCelluZyms)
15.25-15.45	o20	Farah Elgudayem: Optimization of the ultrasonic extraction of phenolic compounds and antioxidant activity from root parts of <i>Polygonum</i> using response surface methodology
15.45-16.30		Poster overview & Final discussion
		1/ Sustainable growing for climate change mitigation
	p1-1	Krists Kviesis, Ansis Avotiņš, Ina Alsiņa, Laila Dubova, Ieva Erdberga: NDVI and SI-NDVI measurement comparison for continuous plant “well-being” monitoring Convolution Neural Network



15.45-16.30

Poster overview & Final discussion

p1-2	Astrit Balliu, Erjald Haxhiu, Glenda Sallaku: Mixing hydrogel capsules into peat substrate improves germination and enhances growth and physiological performance of tomato seedlings
p1-3	Aušra Brazaitytė, Jurga Miliauskienė, Viktorija Vaštakaitė-Kairienė, Rūta Sutulienė, Kristina Laužikė, Kamile Stašytė, Pavelas Duchovskis, Giedrė Samuoliūnė: Biofortification of hydroponically grown broccoli microgreens with Se at different ratios of blue and red LED light
p1-4	Márcia Carvalho, Ana Barros, Carla Sobreira, Isaura Castro, João Coutinho, Valdemar Carnide, Eduardo Rosa: Quality evaluation of cowpea immature pods and grains
p1-5	Daina Feldmane, Dzintra Dēķena, Edgars Cirša: Variability of flower bud and fruit quality in local sour cherries of Latvia
p1-6	Danguolė Juškevičienė, Rasa Karklelienė, Audrius Radzevičius: Effect of size of onion (<i>Allium cepa L.</i>) sets to the bolting and bulb productivity
p1-7	Ieva Kalniņa, Sarmīte Strautiņa, Valda Laugale: New strawberry cultivars for growing in high tunnels
p1-8	Katarzyna Mynett, Małgorzata Podwyszyńska, Edyta Derkowska, Michał Przybył, Lidia Sas-Paszt: Effect of biologically active preparations TotalHumus and Bacterbase on the ex vitro early growth of micropropagated strawberry, blueberry and hip rose plants
p1-9	Valentīna Pole: Nutrient requirements for Japanese quince (<i>Chaenomeles japonica</i>)
p1-10	Toivo Sepp, Reelika Rätsep, Asta-Virve Libek, Ave Kikas: Evaluation of <i>Ribes rubrum</i> cultivars in Estonia
p1-11	Sarmīte Strautiņa, Ieva Kalniņa, Valda Laugale: Results of the evaluation of the promising selections of floricane raspberry in Institute of Horticulture
p1-12	Aleksandra Trzewik, Magdalena Szczech, Beata Kowalska: <i>Serendipita indica</i> and <i>Trichoderma</i> strains as growth stimulators of horticultural plants

2/ Plant protection

p2-1	Kristīne Drevinska, Inga Moročko-Bičevska: Sea buckthorn diseases caused by pathogenic fungi: a review
p2-2	Dmitrijs Konavko, Olga Sokolova: <i>Xanthomonas arboricola</i> pv. <i>corylina</i> as a bacterial blight disease causal agent of hazelnuts in Latvia
p2-3	Baiba Lāce, Katrīna Kārkliņa, Inese Denīsova: Peculiarities of the <i>Gymnosporangium sabinae</i> developmental cycle
p2-4	Gundega Putniece, Ingrīda Augšpole, Inta Romanova: Population of weeds in the plantation of red raspberries (<i>Rubus idaeus L.</i>)
p2-5	Regina Rancane, Viktorija Zagorska: Apple scab control and resistance risk of <i>Venturia inaequalis</i> to curative fungicides in apple orchards
p2-6	Olga Sokolova and Inga Moročko-Bičevska: Evaluation of apple scab and occurrence of <i>Venturia inaequalis</i> races on differential <i>Malus</i> genotypes in Latvia
p2-7	Arturs Stalažs: On <i>Cecidophyopsis</i> gall-mite damage assessment methodologies

3/ Genetic resources, breeding and genetics

p3-1	Gennadiy Eremin, Viktor Eremin: The results of developing new cultivars and clonal rootstocks of <i>Prunus × rossica Erem.</i> at the Krymsk Experiment Breeding Station
p3-2	Gunārs Lācis, Katrīna Kārkliņa, Irita Kota-Dombrovska, Sarmīte Strautiņa: Evaluation of blackcurrant (<i>Ribes nigrum</i>) germplasm structure by microsatellite-based fingerprinting for the diversification of the breeding material



15.45-16.30

Poster overview & Final discussion

p3-3	Gunārs Lācis, Irita Kota-Dombrovska, Katrīna Kārkliņa, Baiba Lāce: Genetic diversity and relatedness of Latvian <i>Pyrus</i> germplasm revealed by a set of SSR markers
p3-4	Valda Laugale, Inta Krasnova, Līga Lepse: Characterization of Latvia gooseberry genetic resources
p3-5	Monika Marat, Danuta Wójcik, Małgorzata Podwyszyńska, Agnieszka Marasek-Ciołakowska: Evaluation of flowering apple tetraploids
p3-6	Zoya Ozherelieva, Evgeniy Sedov: Frost resistance potential of hybrid apple seedlings of VNIISPK breeding during winter thaw
p3-7	Marlene Santos, Sara Gouveia, Marcos Egea-Cortines, João Ricardo Sousa, Fernando Raimundo, Berta Gonçalves, Manuela Matos: Expression of genes <i>PaExp1</i> , <i>PaExp2</i> and <i>PaxTH</i> , potentially involved in sweet cherry cracking, under foliar application of magnesium and potassium
p3-8	Irina Sivicka, Aleksandrs Adamovičs, Olga Sokolova, Gunārs Lācis: Integrated assessment of oregano accessions from the <i>ex situ</i> collection of genetic resources

4/ Food processing and chemistry

p4-1	Ingmars Cinkmanis, Ingri da Augspole, Irina Sivicka, Sanita Vucane: Evaluation of phenolic profile of bear's garlic (<i>Allium ursinum L.</i>)
p4-2	Lina Dēnē, Dalia Urbonavičienė, Pranas Viškelis: Processing of sea buckthorn by-products. The case of short supply chain of SMEs in Lithuania
p4-3	Daiga Konrāde: Options for the use of plant biomass for the reduction of food by-products and promotion of green thinking in the catering sector in the Swedish nature reserve areas
p4-4	Inta Krasnova: Investigation of fruit-vegetable smoothies enriched with fresh and powdered wheatgrass
p2-5	Vitalijs Radenkoks, Karina Juhņeviča-Radenkova, Dalija Segliņa, Inta Krasnova, Ieva Kalniņa: Obtaining of bio-degradable polymers from renewable resources for production of protective coatings and packaging materials for fruits
p2-6	Dalija Segliņa: The effect of ozonated water on changes in the quality of blanched Edamame during cold storage