

PROGRAMME

International symposium on sustainable fruit production (Action D 6.2)

March 21-24, 2016

Donja Stubica, Croatia

Hotel Terme Jezerčica

LIFE SUSAFRUIT project

“Integrated pest management in sustainable and safe fruit production”



LIFE SUSAFRUIT project
“Integrated pest management in sustainable and safe fruit production”

University of Zagreb Faculty of Agriculture (Croatia)
Alma Mater Studiorum – University of Bologna (Italy)
University of Turin (Italy)
Agra d.o.o. (Croatia)
Apofruit Italija Soc. Coop. Agricola (Italy)
Xeda International S.A. (France)

in collaboration with

The ICA Regional Network for Central and South Eastern Europe (CASEE)

organize

**International symposium on sustainable fruit production (Action D
6.2)**

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Scientific Committee

Tomislav Jemrić, Faculty of Agriculture University of Zagreb, Croatia

Božena Barić, Faculty of Agriculture University of Zagreb, Croatia

Goran Fruk, Faculty of Agriculture University of Zagreb, Croatia

Martina Skendrović Babojelić, Faculty of Agriculture University of Zagreb, Croatia

Davide Spadaro, University of Turin, Italy

Luciana Tavella, University of Turin, Italy

Rosemarie Tedeschi, University of Turin, Italy

Marta Mari, University of Bologna, Italy

Marina Collina, University of Bologna, Italy

Organizing Committee

Mladen Fruk, Faculty of Agriculture, University of Zagreb, Croatia

Josip Buhin, Faculty of Agriculture, University of Zagreb, Croatia

Goran Fruk, Faculty of Agriculture, University of Zagreb, Croatia

Tomislav Jemrić, Faculty of Agriculture, University of Zagreb, Croatia

GENERAL INFORMATION

Official languages

The official language of the Symposium is English.

Official badges

Registered participants will receive accreditation during the registration.

Registration

The Symposium registration desk, in front Congress Hall, will be open for on-site registration at the following time:

Monday	March 21, 2016	8:00 – 10:00
Tuesday	March 22, 2016	8:00 – 10:00
Wednesday	March 23, 2016	8:00 – 10:00

Each presenter on the Symposium will receive: Book of Abstracts, Symposium programme, notebook, file box and pen

Instructions to speakers

PCs and LCD projectors are available in all halls. Speakers are asked to submit the medium with the lecture (USB) to the technical service 30 minutes before the section starts work.

Oral presentations will last for 15 min with additional 5 min for questions. Invited lectures will last for 20 min with additional 10 min for questions.

Please, design your PP presentation in English and optimize it for required time since no additional time will be allowed.

Lecturers are kindly asked to remain in the hall during the time foreseen for discussion.

Posters are fitted onto boards. Posters should be sized 841 × 1189 mm (width × height), A0 format. Material for attaching posters will be available in poster hall. Poster may be displayed at last 30 minutes before the section starts work.

PROGRAMME PER SECTION

Section	Day and date	Time	Hall
Sustainable pre-harvest technology	Monday March 21, 2016	11:30-16:10	Congress hall
Sustainable post-harvest technology	Tuesday March 22, 2016	10:00-14:30	Congress hall
IPM in sustainable fruit production	Wednesday March 23, 2016	10:00-13:10	Congress hall
Poster	Tuesday March 22, 2016	15:00-17:00	Poster Hall

SYMPOSIUM WORK SCHEDULE

Monday, March 21, 2016

8:00-10:00 – Participant registration

10:00 -11:00 – Congress Hall - Opening ceremony

11:30 -16:10 – Congress Hall - SUSTAINABLE PRE-HARVEST TECHNOLOGY (oral presentations)

Tuesday, March 22, 2016

10:00-13:00 – Congress Hall - SUSTAINABLE POST-HARVEST TECHNOLOGY (oral presentations)

15:00-17:00 – Poster hall – Poster presentations (all sections)

Wednesday, March 23, 2016

10:00-13:00 – Congress Hall - IPM IN SUSTAINABLE FRUIT PRODUCTION (oral presentations)

15:00-17:00 – Congress Hall - ROUND TABLE

19:00 – Gala dinner at the hotel restaurant (optional, depending on number of interested participants)

Thursday, March 24, 2016

9:00 -11:00 - Visit to Museum of Peasants' Revolved

11:00-16:00 – Technical visit to AGRA orchard where Life SUSAFRUIT project is implemented

16:00 – 17:00 – Conclusions from the symposium

SYMPOSIUM PROGRAMME

Monday, March 21, 2016

Participant registration

CONGRESS HALL

Executive Committee: Tomislav Jemrić, Marta Mari, Davide Spadaro

10:00 OPENING CEREMONY

Welcome speech of organizers and guests

11:00 *Coffee break*

Section: SUSTAINABLE PRE-HARVEST TECHNOLOGY

Moderators: Tomo Milošević, Martina Skendrović Babojelić, Ghulam S. Markhand

11:30 Invited lecture

Michele Bravetti

“Technical use of photo-selective anti-hail nets in Italy”

12:00 Marko Vuković, Mladen Fruk, Mushtaque A. Jatoy, Goran Fruk, Josip Buhin, Tomislav Jemrić
“Comparison effect of different photo-selective anti-hail nets on yield and fruit quality of peach cv. ‘Suncrest’ in northern Croatia”

12:20 Mladen Fruk, Marko Vuković, Goran Fruk, Josip Buhin, Martina Skendrović Babojelić, Tomislav Jemrić
“The influence of different color nets on yield and fruit quality of apple cv. ‘Braeburn’ under Croatian agro-climatic conditions”

12:40 Tomo M. Milošević, Nebojša T. Milošević, Ivan P. Glišić
“The possibility of sustainable sweet cherry production on heavy and acidic soil”

13:00 Maria Pinte

“Evaluation of apricot assortment for sustainable production in the conditions of Republic of Moldova”

13:20 *Lunch break*

14:30 Nebojša T. Milošević, Ivana S. Glišić, Milan M. Lukić, Milena R. Đorđević, Žaklina M. Karaklajić Stajić
“Properties of some late season plum hybrids from Fruit Research Institute Čačak”

- 14:50 Nikola Mičić, Gordana Đurić, Miljan Cvetković
 “Canopy management practices in modern plum (*Prunus domestica* L.) production on vigorous rootstocks”
- 15:10 Sisir Kumar Mitra
 “Sustainable Lychee (*Litchi chiniensis* Sonn.) production in India”
- 15:30 Ghulam S. Markhand, Nazir A. Soomro, Adel A. Abul-Soad, Mushtaque A. Jatoi and Najamuddin Solangi
 “Field evaluation of eight Balochistani Date Palm (*Phoenix dactylifera* L.) cultivars under agro-climatic conditions of Khairpur, Sindh”
- 15:50 Lovro Sinkovič, Vladimir Meglič, Dragan Žnidarčič, Nataša Kunstelj, Emil Zlatić, Rajko Vidrih
 “The effects of different growing media on selected nutritional parameters in sweet potatoes (*Ipomoea batatas*)”

Tuesday, March 22, 2016

CONGRESS HALL

Section: SUSTAINABLE POST-HARVEST TECHNOLOGY

Moderators: Janez Hribar, Tomislav Jemrić, Lluís Palou

- 10:00 Invited lecture
 Goran Fruk, Tomislav Jemrić, Martina Skendrović Babojelić
 “Woolliness development during peach and nectarine storage and pectins”
- 10:30 Doris Kokalj, Grega Bizjak, Janez Hribar, Blaž Cigić, Emil Zlatić, Rajko Vidrih
 „Influence of UV light emitting diodes on colour development and antioxidant potential of apple peel”
- 10:50 Davide Spadaro, Karin Santoro, Maria Lodovica Gullino
 “Use of biocontrol agents and essential oils for postharvest disease control”
- 11:10 Karin Santoro, Marco Maghenzani, Valentina Chiabrande, Giovanna Giacalone, Maria Lodovica Gullino, Angelo Garibaldi, Davide Spadaro
 “Effect of fumigation with essential oils on postharvest quality and health of stone fruit”
- 11:30 Mushtaque Ahmed Jatoi, Josip Buhin, Mladen Fruk, Goran Fruk, Marko Vuković, Tomislav Jemrić
 Postharvest application of lecithin to prolong the Goji Berry (*Lycium barbarum* L.) storage life
- 11:50 Coffee break**
- 12:10 Nenad Magazin, Zoran Keserović, Biserka Milić, Marko Dorić
 “I_{AD} index as a possible tool for apricots optimal harvest time prediction”

- 12:30 Branka Levaj, Predrag Putnik, Danijela Bursać Kovačević, Korina Herceg, Božidar Matijević, Robert Piskač, Maja Repajić, Verica Dragović-Uzelac, Sanja Lončarić, Zoran Zorić, Sandra Pedisić, Ivona Elez Garofulić, Damir Ježek, Jasna Mrvčić, Lucija Hlupić, Mateja Kobeščak
“Fresh cut” fruits and vegetables in Croatia
- 12:50 Merav Zaaroor, Sharon Alkalai-Tuvia, Daniel Chalupowicz, Yohanan Zutahy, Marina Beniches and Abraham Gamliel, Elazar Fallik
„Relationship between rootstock, soil disinfection and plant density on pre and postharvest grafted watermelon quality (*Citrullus lanatus*)“
- 13:10 Zoran S. Ilić, Ljubomir Šunić, Jasna Mastilović, Žarko Kevrešan
“Strategy to reduce losses and maintain quality of root vegetables during prolonged cold storage”
- 13:30 Muhammad Tayyab Rashid, Malik Muhammad Hashim, Ma Haile
“Development and quality analysis of diet guava squash”
- 13:50 Jasna S. Mastilović, Žarko S. Kevrešan, Nenad Magazin, Zoran Keserović, Dario Danojević, Gordana Ostojić, Stevan Stankovski, Zoran Ilić, Andrea Vuković
“Needs and directions for enforcement and integration of fresh produce related research”
- 14:10 Lluís Palou, Cristiane Fagundes, Alcilene R. Monteiro, María B. Pérez-Gago
“Cherry tomato quality preservation and black spot reduction with edible composite coatings containing antifungal GRAS salts”

14:30 Lunch break

POSTER HALL

Moderators: Goran Fruk, Ivana Pajač Živković, Lovro Sinković

15:00-17:00 - Poster presentations (all sections)

Questions and discussion on poster

1. Boris Pašalić, Vida Todorović, Ivana Koleška, Borut Bosančić, Nikolina Đekić
“Effects of salinity on color changes, sugar concentration and acid concentration in tomato fruit”
2. Milan M. Lukić, Slađana A. Marić, Nebojša T. Milošević, Ivana S. Glišić, Marijana I. Pešaković
“Evaluation of introduced apple cultivars grown in the western Serbia region”
3. Mia Brkljača, Jasna Rumora, Tomislav Jemrić
“Yield and fruit quality of Cripps Pink variety under different color insect-protecting nets in Baštica, Croatia”
4. Luka Gašpar, Mislav Kaučić, Goran Fruk, Tomislav Jemrić
“Apple cv. 'Cripps Pink' skin colour depending on growing location”

5. Martina Skendrović Babojelić, Jasmin Lesičar, Tomislav Jemrić, Sandra Voća, †Zoran Šindrak
“Influence of fruit thinning and summer pruning on fruit quality of peach variety 'Royal Gem’”
6. Nenad Magazin, Zoran Keserović, Biserka Milić, Marko Dorić
“Yield and quality of two strawberry cultivars from one and two year bearing systems”
7. Jasna Rumora, Stošija Klanac, Mia Brkljača
“Pomological and chemical quality of strawberry (*Fragaria* spp.) grown on locality “Kobatuša” near Posedarje”
8. Marko Vuković, Petra Pilipović, Josip Buhin, Goran Fruk, Tomislav Jemrić
“Growth, flower and fruit quality of black elder (*Sambucus nigra* L.)”
9. Marko Vuković, Goran Fruk, Tomislav Jemrić
“Rootstock effect on growth, production and fruit quality of fruit trees: A review”
10. Petra Škrlec, Boris Duralija
“The usage of mulch foils in horticulture”
11. Nataša Duduk, Miljan Vasić, Aleksandra Žebeljan, Rade Radojević, Ivana Vico
“Postharvest pathogens of apple fruit in Serbia”
12. Žarko S. Kevrešan, Jasna S. Mastilović, Alena Tomšik, Miona Belović, Nenad Magazin, Zoran Keserović
“Postharvest properties some of plum (*Prunus domestica* L.) and apricot (*Prunus armeniaca* L.) varieties”
13. Josipa Mikulić, Goran Fruk, Marko Vuković, Josip Buhin, Mladen Fruk, Tomislav Jemrić
“Effect of hot water dip duration on heating and cooling rate of apple cv. 'Idared' ”
14. Vladimir Sabadoš, Jana Konjević Mrđenović, Olivera Sekulić, Zoran Boca
“Impact of sweet cherry varieties on quality parameters during storage period”
15. Ellaine Grace Nagpala, Michela Guidarelli, Mattia Gasperotti, Domenico Masuero, Paolo Bertolini, Urska Vrhovsek, Elena Baraldi
“Polyphenols variation and gene expression in strawberry fruits during ripening and upon pathogen infection”
16. Rukie Agic, Zvezda Bogevska, Gordana Popsimonova, Margarita Davitkovska
“Storage condition and loses of different types of onion in Republic of Macedonia”
17. Sikiru Olowofola
“Fruit grading water easily purified with active carbon filter”
18. Gordana Forgić, Vladimir Sabadoš, Tatjana Veselinović, Jelena Perenčević, Gordana Mrdak
“Three-year results of experiment aimed to suppression of gray mold (inducer *Botryotinia fuckeliana*) using software of meteorological station”

19. Claudia Sánchez, João Cavalheiro, Paula Vasilenko, Mário Santos, Rui Maia de Sousa, Maria M. Ferreira-Pinto
“Preharvest application of *Aureobasidium pullulans* to control postharvest decay of ‘Rocha’ pears”
20. Tina Fazinić, Dario Ivić, Zoran Lovrek, Tihomir Miličević
“Management and potential impact of *Monilinia fructicola* on peach in Croatia”
21. Amirkulova Arailym Zhubaevna, Gianfranco Romanazzi, Kurbanova Gulnar Vapahanovna, Rvaydarova Gulnisam Olakaevna, Utarbaeva Aizhan Sharelevna
“Decomposition and residual amounts of fungicides on spring wheat”
22. Ivana Pajač Živković, Božena Barić, Tomislav Kos, Darija Lemić, Helena Suda, Tomislav Jemrić, Mladen Fruk
“The ground beetle fauna (*Coleoptera*) in apple orchard in Croatia”

Wednesday, March 23, 2016

CONGRESS HALL

Section: IPM IN SUSTAINABLE FRUIT PRODUCTION

Moderators: Marta Mari, Božena Barić, Rosemarie Tedeschi

- 10:00 Invited lecture
Rosemarie Tedeschi, Marco G. Pansa, Luciana Tavella
“*Halyomorpha halys*, a new threat to crops in Europe: distribution, damage and control perspectives”
- 10:30 Vesna Tomaš, Mirjana Brmež, Krunoslav Dugalić, Ines Mihaljević, Marija Viljevac Vuletić, Domagoj Šimić, Božena Barić
“Monitoring and fruit protection of codling moth in integrated apple production”
- 10:50 Ivana Pajač Živković, Božena Barić, Josip Buhin, Mladen Fruk, Tomislav Jemrić
“Influence of different netting structures on codling moth and apple fruit damages in northwest Croatia”
- 11:10 Valentina Candian, Marco G. Pansa, Luciana Tavella, Rosemarie Tedeschi
“Exclusion nets for the control of fruit pests in NW Italy”
- 11:30 Coffee break**
- 11:50 Irene Cameldi, Massimiliano Menghini, Daria Ventrucci, Gianni Ceredi, Marta Mari
“Integrated postharvest strategy to control the bull’s eye rot of ‘Cripps Pink’ apple”
- 12:10 Ceren Turan, Massimiliano Menghini, Gianni Ceredi, Marta Mari, Marina Collina
“Molecular identification of *Venturia asperata* from atypical scab-like symptoms on apples in Italy”

12:30 Gianfranco Romanazzi
Use of resistance inducers to control pre and postharvest diseases of grapes and fruit plants

12:50 Ines Pohajda, Katarina Lukšić, Ana Vrankulj, Slavica Dudaš, Ana Šalinović
“Integrated production of sour cherry (*Prunus cerasus*) in Croatia”

13:10 Lunch break

15:00 **ROUND TABLE**

Moderators: Zoran Ilić, Tomislav Jemrić, Elazar Fallik

Topic: Sustainable postharvest technologies in South Eastern Europe

19:00 Gala dinner at the hotel restaurant (*optional, depending on number of interested participants*)

Thursday, March 24, 2016

9:00 - 11:00 Visit to Museum of Peasants' Revolved

11:00 - 16:00 Technical visit to AGRA orchard where Life SUSAFRUIT project is implemented

16:00 - 17:00 Conclusions from the Symposium