

FRUTIC Symposium at Fruit Logistica

6th February 2018 held in Berlin

Theme: Optimizing Water Use in the Supply Chain of Fresh Produce

PROGRAM

8:30 – 9:30 Registration

9:30 Opening ceremony

Morning session
Fresh keeping of Produce

Keynote: Merete Edelenbos

Hot water treatment of fresh produce to prolong shelf-life and reduce losses and waste

Plasma treatment of freshly harvested apples - An alternative to the hot water immersion process?

Christoph Weit, Uta Schnabel, Jörg Stachowiak, Jörg Ehlbeck

Active pads for absorbing free water in fruit and vegetable packaging

Filip Tintchev

Coffee & poster presentation

How to analyse water loss in fresh produce?

Rob Schouten, Pol Tijskens

Water in packaged fresh produce: Causes, effects, and control measures

Graziele Grossi Bovi, Cornelia Rauh, Pramod Mahajan

Effect of Kelulut (*Trigona spp*) honey coatings on the physicochemical characteristics of *Carica papaya* L.

Bernard Maringgal, Norhashila Hashim, Mahmud Tengku Muda Mohamed, Intan Syafinaz Mohamed Amin Tawakkal

Chlorophyll-fluorescence imaging, and colour and spectral analyses for optimisation of processing parameters for short-term hot-water treatment of apples for fruit salad production

Werner B. Herppich, Marco Maggioni, Susanne Huyskens-Keil, Tina Kabelitz, Karin Hassenberg

Airflow management in an apple CA storage room

Ulrike Praeger, Marc Sellwig, Daniel Neuwald, Holger Scaar, Reiner Jedermann, Martin Geyer

Combined effects of postharvest ozone treatment and controlled atmosphere storage on storage life and quality of pomegranate

Hakan Bolel, Mehmet Ali Koyuncu, Derya Erbas

Lunch break & poster presentation

Afternoon session

Fruit and vegetables production

Keynote: Juan José Alarcon

Water irrigation management in Mediterranean area

Valencia orange (*Citrus sinensis* Osbeck) water footprint in a monsoon climate with high-tech drip irrigation management as supplemental irrigation

Alejandro Pannunzio, Eduardo A. Holzapfel, Pamela Texeira Soria, J. Tuma, F. Dufour, G. Demarco

Shifting irrigation timing to improve water use efficiency in kiwifruit

Brunella Morandi, Luigi Manfrini, Stefano Anconelli, Giulio Demetrio Perulli, Alexandra Boini, Kushtrim Bresilla, Domenico Solimando, Luca Corelli Grappadelli

Calculating the water deficit by means of spatially resolved approach

Nikolaos Tsoulias, Nicole Brandes, Manuela Zude-Sasse

Land surface temperature retrieval from landsat 8 in miandarband plain using mono-window and SEBAL algorithms

Mohammad Zaré, Simone Kraatz, Judy Libra

Microclimatic, physiological and productive effect of the overcanopy irrigation management in an apple orchard in the province of Ferrara

Luigi Manfrini

Coffee & poster presentation

Late afternoon session

Upcoming sensor solutions

Hyperspectral imaging and multivariate accelerated shelf life testing (MASLT) approach for determining shelf life of rocket leaves

Maria Luisa Amodio, Muhammad M. A. Chaudhry, Farahmand Babellahi, Giancarlo Colelli

Application of the biospeckle method for early detection of fungal disease of apple fruit

Artur Zdunek, Piotr Pieczywek, Andrzej Kurenda, Justyna Cybulska

Effect of deficit irrigation and continuous ethylene supplementation on the quality of cold stored onion bulbs

Ikenna Ohanenye, Carmen Alamar Gavidia, Andrew Thompson, Leon Terry

Using the DA meter to improve relationships among incidences of physiological disorders and maturity of apple fruit

Y. Al Shoffe, K. Arzani, J.K. Nock, G. Nunes, A.T. Oz, Y. Zhang, Chris B. Watkins

17:30

Closing ceremony

Poster Presentations	
	Influence of packaging materials and storage environments on physicochemical, microbial and sensorial attributes of pomegranate juice <i>Sangram Dhumal, Anil Karale, Kisan Lawande, Visnu Garande, Uttam Chavan, Amitkumar Patil, Anilkumar Bhoite</i>
	Investigation on the effect of drip irrigation methods and different water levels on qualitative and quantitative characteristic of peach 'Sabz e Mashhad' <i>Mohammad Jolaini, Ebrahim Ganji moghadam, Shohreh Nikkhah,</i>
	Application advantage of subsurface drip (tape) irrigation of tomato in irrigation different managements <i>Mohammad Joleini</i>
	Washing water recirculation and disinfection using the example of lettuce-washer <i>Teresa-Maria Schinabeck, Karin Hassenberg</i>
5	Washing and drying with non-thermal plasma processed media? – Synergistic effects of plasma processed water and air <i>Uta Schnabel, Jörg Stachowiak, Oliver Handorf, Björn Zessin, Diana Sydow, Elke Zellmer, Mathias Andrasch, Harald Below, Jörg Ehlbeck</i>
	Effects of pre-processing hot-water treatment on quality and shelf-life of fresh cut apple slices for fruit salad production <i>Karin Hassenberg, Kimberley Bohne, Guido Rux, Susanne Huyskens-Keil, Werner B.Herppich</i>
	Effect of organic agronomic techniques and modified atmosphere packaging on the quality of lamb's lettuce <i>Francesco Ceglie, Maria Luisa Amodio, Fabio Tittarelli, Giancarlo Colelli</i>
	Effects of different deficit irrigation strategies on postharvest quality of apple 'Braeburn' <i>Cemile Ebru Onursal, Cenk Kucukyumuk, Tuba Secmen, Atakan Güneyli, Derya Erbas, Seda Sevinc Uzumcu, Mehmet Ali Koyuncu</i>
9	Postharvest salicylic acid treatment improve storage quality and life of cucumber <i>Ebrar Altikardes, Mehmet Ali Koyuncu, Derya Erbas</i>
	The effects of cut of irrigation and nano magnesium and elicitor chitosan foliar application on some traits of sesame (<i>Sesamum indicum</i> L.) <i>Jaber Khordadi</i>
	Water status evaluation of grapevine leaf by means of NIR spectroscopy for a better irrigation scheduling <i>Roberto Beghi, Valentina Giovenzana, Alessio Tugnolo, Lucio Brancadoro, Riccardo Guidetti</i>
12	Effect of canopy density on reflectance sensing for crop drought stress detection in greenhouses <i>Angeliki Elvanidi, Matthias Friedel, Johannes Max, Nikolaos Katsoulas, Jana Zinkernagel</i>
	Employing NIRS for non-destructively analysing soluble solids content and moisture of 'Hass' Avocado in postharvest <i>Phillip Lutterodt, Nicole Brandes, Manfred Pülm, Manuela Zude-Sasse</i>

	Improved value of berries by active absorbing pads <i>Filip Tintchev</i>
	New device to measure relative humidity in commercial storage rooms: a ventilated evaporimeter <i>Fabio Rodrigo Thewes, Rogerio de Oliveira Anese, Daniel Alexandre Neuwald, Auri Brackmann</i>
	Chlorophyll and gas exchange patterns affected by 1-MCP in pear <i>Nicole Brandes, Andreas Riehle, Manuela Zude-Sasse</i>
7th – 8th February Fair Trade FRUIT LOGISTICA	