

**PRESENTATIONS from the XII International Citrus Congress**  
**Valencia, Spain**  
**18<sup>th</sup> – 23<sup>rd</sup> November 2012**

**Session 06: Fruit physiology**

<b>Oral ID</b>	<b>Title</b>
<b>S06O01</b>	Effect of male-female interaction and temperature variation in citrus pollen performance
<b>S06O02</b>	Abscission of reproductive structures in citrus and its control with brassinosteroids and girdling
<b>S06O03</b>	"To fall or not to fall, that's the question!" Molecular mechanisms underlying organ abscission in citrus
<b>S06O04</b>	Carbohydrate control over carotenoid build-up in citrus is conditional on fruit ontogeny
<b>S06O05</b>	Largely altered terpenoids production in red-fleshed fruits of 'Cara Cara' navel orange
<b>S06O06</b>	Endogenous factors affecting fruit color development in navel sweet oranges

**Session 09: Postharvest physiology and pathology**

<b>Oral ID</b>	<b>Title</b>
<b>S09O01</b>	Genome sequence of the necrotrophic fungus <i>Penicillium digitatum</i> , the main postharvest pathogen of citrus
<b>S09O02</b>	RNA-Seq analysis of yeast antagonist <i>Metschnikowia frusticola</i> during interactions with <i>Penicillium digitatum</i> and grapefruit peel reveals specific transcriptional responses
<b>S09O03</b>	The mitogen-activated protein kinase <i>PdSLT2</i> of <i>Penicillium digitatum</i> is required for fungal pathogenesis/virulence during citrus infection
<b>S09O04</b>	Function of <i>PdCrz1</i> , a calcineurin-responsive transcription factor, in <i>Penicillium digitatum</i> in condition, virulence and responses to abiotic stresses
<b>S09O05</b>	The protein O-Mannosyltransferase <i>PMT2</i> of the citrus-specific postharvest pathogen <i>Penicillium digitatum</i> is involved in conidogenesis, virulence and sensitivity to the antifungal peptide PAF26
<b>S09O06</b>	<i>PdCYP51B</i> , a new sterol 14 $\alpha$ -demethylase gene <i>Penicillium digitatum</i> involved in resistance to imazail and other fungicides inhibiting ergosterol synthesis
<b>S09O07</b>	Current and emerging strategies for Sour Rot management of citrus in Australia
<b>S09O08</b>	A new perspective in controlling postharvest citrus rot
<b>S09O09</b>	Global situation for preserving citrus fruit using natural treatments
<b>S09O10</b>	Could ethylene influence Peteca Spot incidence of lemon fruit?
<b>S09O11</b>	'Tahiti' lime post-harvest evaluation and non-destructive assessment of essential oils by NIR spectroscopy
<b>S09O12</b>	Postharvest blue light treatment affects citrus fruit susceptibility to disease by altering oxylipin biosynthesis
<b>S09O13</b>	Potassium sorbate increase citrus weight loss in postharvest treatments but it does not provided good decay control in wax

**Session 10: Watering and nutrition**

<b>Oral ID</b>	<b>Title</b>
<b>S10O01</b>	Open hydroponics of citrus compared to conventional drip irrigation best practice: first three years of trialling and Australian experience
<b>S10O02</b>	Deficit irrigation strategies: preliminary assessment on a Sicilian young orange orchard
<b>S10O03</b>	Citrus water use in South Africa

Oral ID	Title
S10O04	Evapotranspiration over an irrigation orange orchard using micrometeorological techniques and sap flow measurements
S10O05	Partial root-zone drying effects under different rootstocks and irrigation systems in Valencia, Spain
S10O06	A critical evaluation of citrus leaf mineral status guidelines for optimal yield in Israel
S10O07	What limits nitrogen fertilization responses of fertigated citrus orchards under tropical conditions?
S10O08	Uptake of <sup>44</sup> Ca and <sup>15</sup> N by young citrus trees
S10O09	A new approach to front citrus iron chlorosis: organo-mineral fertilizers from glass-matrix and organic biomasses
S10O10	Nitrogen and calcium, equilibrium on citrus nutrition

### Session 12: Citrus HLB and other bacterial diseases

Oral ID	Title
S12O01	New insights into the Citrus Huanglongbing complex and potential solutions to this devastating disease
S12O02	Tissue-print and squash real-time PCR for direct detection of <i>Candidatus Liberibacter</i> spp. in citrus plants and insect vectors
S12O03	A new insect vector of <i>Candidatus Liberibacter asiaticus</i> , <i>Cacopsylla (Psylla) citrirsuga</i> (Hemiptera: Psyllidae)
S12O04	On the identity of orange and jasmine and its relevance to Huanglongbing and <i>Diaphorina citri</i>
S12O05	Effect of HLB on the expression of calcium signals related genes
S12O06	Transcriptional genomics and proteomics in citrus roots infected by <i>Candidatus Liberibacter asiaticus</i>
S12O07	Resistance and tolerance to Huanglongbing in citrus
S12O08	A comparison of different methods to evaluate host resistance or tolerance to Huanglongbing, caused by <i>Candidatus Liberibacter asiaticus</i>
S12O09	Evaluation of transgenic citrus for disease resistance to HLB and Canker
S12O10	California's response to the first detection of HLB
S12O11	Comparative study of different host range strains of <i>Xanthomonas citri</i> subsp. Chemotaxis and biofilm formation
S12O12	A new minisatellite-based scheme for the global surveillance of <i>Xanthomonas citri</i> subsp.- <i>citri</i> , the causal agent of Asiatic Citrus Canker
S12O13	Analysis of microRNAome of Chinese citron 'C-05' resistant to Citrus Canker disease
S12O14	The role of auxin in the citrus defence to early infection by <i>Xylella fastidiosa</i>

### Session 13: Fruit flies

Oral ID	Title
S13O01	Application of the Sterile Insect Technique: and effective biological control method against fruit fly pests and its contribution to food security, the environment and trade
S13O02	Assessing the effectiveness of sterile males in Mediterranean fruit fly population reduction by molecular techniques
S13O03	Multiple insecticide resistance traits in a field derived population of the Mediterranean fruit fly, <i>Ceratitidis capitata</i>
S13O04	Citrus fruits and the Mediterranean fruit fly
S13O05	Looking inside the chemosensory system of the medfly <i>Ceratitidis capitata</i>
S13O06	Field infestation and suppression of the invasive fruit fly <i>Bactrocera invadens</i> on citrus Kenya

Oral ID	Title
S13O07	Quarantine mitigation for Tephritid fruit fly pests in citrus

### Session 15: Fungal disease

Oral ID	Title
S15O01	The arrival of Citrus Black Spot ( <i>Guignardia citricarpa</i> ) in Florida and current research questions
S15O02	Predictive model for ascospore release of <i>Guignardia citricarpa</i> using climatological data
S15O03	Assessment of retention and persistence of copper fungicides on sweet orange fruit and leaves using fluorometry and copper residue analyses
S15O04	<i>Phyllosticta</i> species associated with citrus diseases in China
S15O05	Development of an agrotansformation gene-silencing-system for <i>Phyllosticta citricarpa</i> and its use in functional analysts of the pathogenic genes
S15O06	Epidemiology of Alternaria Brown Spot of mandarins under semi-arid conditions in Spain
S15O07	Spray deposition benchmarks for control and Alternaria Brown Spot and evaluation of adjuvants to improve fungicide spray deposition in citrus orchards
S15O08	Chemical control of <i>Colletotrichum acutatum</i> and <i>C.gloeosporioides</i> , casual agents of Citrus Postbloom Fruit Drop in Brazil
S15O09	Pathogenicity and genetic relationship of strains of <i>Elsinoë australis</i> causing Citrus Scab disease
S15O10	Association and interaction of edaphic factors with root disease related to citrus decline
S15O11	Searching for citrus rootstocks resistant to Mal Secco disease: a review

### Session 16: Entomology and pest control

Oral ID	Title
S16O01	The status of citrus IPM in California
S16O02	The status of citrus IPM in South Africa
S16O03	IPM in Spanish citrus: current status of Biological Control
S16O04	status of citrus IPM in the Southern Mediterranean Basin
S16O05	Integrated and disease management in New Zealand. Progress, changes and challenges since 2004
S16O06	Progress toward integrated management of Asian Citrus Psyllid in Florida
S16O07	Perspective of the Indonesian citriculture in the presence of Huanglongbing disease
S16O08	Non-target effects of cultural practices to manage bacterial disease HLB on soil food webs that affect the insect pest <i>Diaprepes abbreviatus</i>
S16O09	Protections of young tress from HLB through disruption of <i>Diaphorina citri</i> (Kuwayamo) feeding behaviour
S16O10	Effect of UV-blocking plastic films on plant location and spread of the Asian Citrus Psyllid (ACP), <i>Diaphorina citri</i> Kuwayamo (Hemiptera; Psyllidae) on citrus
S16O11	Ontogenic variation in citrus flesh shoots and it relation with host plant finding and acceptance by Asian Citrus Psyllid (Hemiptera; Psyllidae)
S16O12	Targeting juvenile hormone metabolic genes in the Asian Citrus Psyllid ( <i>Diaphorina citri</i> ) as a strategy to reduce the spread of Citrus Greening disease
S16O13	Biological Control of red scale on citrus on the central coast of New South Wales
S16O14	Sugar subsidies improve the fitness and efficacy of the parasitoid <i>Aphytis melinus</i> in the field
S16O15	Ground cover management in citrus affects the Biological Controls of aphids
S16O16	Field evaluation of some pesticides and biological control against citrus mealybug <i>Planococcus citri</i> Risso (Hemiptera: Pseudococcidae)

<b>Oral ID</b>	<b>Title</b>
<b>S16O17</b>	Can imipacloprid cause lepidopteran pest repercussions?
<b>S16O18</b>	Ecology and management of Kelly's citrus thrips in eastern Spain
<b>S16O19</b>	Monitoring and management of <i>Brevipalpus chilensis</i> Baker (Acarina: Tenuipalpidae) in citrus
<b>S16O20</b>	Host adaptation of <i>Tetranychus urticae</i> populations in clementine orchards with <i>Festuca arundinacae</i> cover may contribute to its natural control

#### **Session 20: Citrus and health**

<b>Oral ID</b>	<b>Title</b>
<b>S20O01</b>	Flavanones are involved in the cardiovascular protective effects of citrus fruits
<b>S20O02</b>	Health benefits of citrus: recent advantages and future outlook
<b>S20O03</b>	Orange and grapefruit bioactive compounds, citrus consumption and health benefits
<b>S20O04</b>	Effects of a long-term grapefruit juice consumption on vascular protection and bone metabolism: a controlled randomized cross-over study on post-menopausal women to determine the specific role of naringin
<b>S20O05</b>	Effect of technological treatments on the bioavailability of flavanones from orange
<b>S20O06</b>	Evaluation of the anticancer activity on prostate cancer by low molecular weight citrus pectin
<b>S20O07</b>	A molecular approach to characterise the accumulation of ascorbic acid in citrus fruits