



**14th WORLD
PROCESSING & TOMATO CONGRESS**
2020 SAN JUAN - ARGENTINA

**16th ISHS
SYMPOSIUM
ON THE
PROCESSING TOMATO**

Provisional program of the 16th ISHS Symposium on the Processing Tomato
(subject to changes due to speakers' availability and new presentations
being accepted in the reopened call for papers)

Sunday 8 November

7:00 pm : **Joint with congress- Opening ceremony and welcome reception**

Monday 9 November

08:00 am: **Registration**

09:00 am: **Session 1 - Crop management (Moderator: Brenna Aegerter)**

- Invited speaker : Adjusting weed control tactics to soil and weather conditions, cultural management and weed biology in tomato - Darren Robinson
- Agronomic and morphological traits affecting tomato yield in organic farming system: A preliminary study - Dominico Ronga
- Assessment of the plant protection properties provided by bio-active magnesium hydroxide - Robert van Merkestein

10:30 : Coffee break

11:00 am: **Session 2 - Crop management (Moderator: Carlos Campillo)**

- Breeding tomatoes suitable for processing with triple disease resistance to tomato leaf curl disease, bacterial wilt & early blight - Avverahally Sadashiva
- Towards improved transplant quality-Hazard assessment of critical control points for fungal and bacterial pathogens in California tomato transplant nurseries - Johanna Del Castillo
- Assessing impacts and resistance-based management options for stem rot and premature vine decline caused by *Fusarium falciforme* (*Fusarium solani* species complex 3 + 4)- a new syndrome with significant impacts on the California processing tomato industry - Cassandra Swett
- Biology and management of Sw5 resistance-breaking tomato spotted wilt virus strain in Central California - Thomas Turini

12:30 am: Lunch break

2:30 pm: **Session 3 - Processing & Technology (Moderator: Virginia Fernandez Ruiz)**

- Valorisation of tomato wastes and its by-products using UV-C radiation - Sonia Sgroppo
- Introduction of an innovative integrated system for the distinctive valorisation of premium quality Italian northern district processing tomato - Luca Sandei
- Tropical emergent oils used in canned tomato grew in Colombian Plateau conditions - Maria Soledad Hernandez

3:30 pm: Coffee break

4:00 pm: **Session 4 - Tomato & Health (Moderator: Luca Sandei)**

- Millennial consumers' acceptance and attitude related to salmorejo innovation - Virginia Fernandez Ruiz
- EFSA requirements for demonstrating the beneficial effects of tomato products on platelet aggregation prevention - Montana Camara
- Evaluation of lycopene content in industrial tomato derivatives for the development of products with particular nutraceutical and health-functional properties - Laura Dominguez Diaz

5:30 pm to 8:00 pm: **Poster session & cocktail**

- Evaluation of soil amendments to replace the use of raw poultry manure in processing tomatoes - Patrick Smith
- Effects of grafting on processing tomato cultivated in organic farming system - Dominico Ronga
- The effect of deficit irrigation in processing tomato for the important industrial parameters -Zoltan Pek
- Increase yield in tomato seed production by optimization of pollen supply chain and breeding for temperature resistant species -Pamela Klein
- Genotypic variation affecting the main processing features of tomato cultivars -Marton Egei
- Effect of organic and non-organic nutrient supply on yield, soluble solids content and brix yield of processing tomatoes on sandy soil -Sandor Takacs
- Effect of growth promoting rhizobacteria (gprs) in the mitigation of water deficiency of tomato plants -Lajos Helyes
- Evaluation of different indicators of nitrogen plant status for the guidance of plant nitrogen fertilisation in a processing tomato seedling -Carlos Campillo
- Evaluation of spectral signatures for the identification of fertilisation status in processing tomato crop -Juan Ignacio Macua
- The scientific production in tomato processing -José Luis Llerena
- Elaboration of eco-hybridized material for rural infrastructures from byproducts of the tomato processing industry -Rubén Sánchez
- Effects of regulated deficit irrigation on total soluble solids evolution on processing tomato -Carlos Campillo
- Biomethanation of tomato by-products at industrial scale: feasibility study -Rubén Sánchez
- TomPrint Operational Group: cloud computing tool for calculating the carbon footprint and water footprint of processing tomato
- SmarTom Operational Group: Integrated crops monitoring systems based on remote sense and hiperespectral images - José Luis Llerena
- Operational GroupVALORARES: Influence of agroindustry waste compost and compost tea on processing tomato crop - José Luis Llerena
- Characterization and trends on active and optimum days for processing tomato in the European Union - José Luis Llerena
- Description of the concentrated tomato microflora before heat treatment -Rubén Sánchez
- Non-destructive determination of quality parameters in tomato based products by near-infrared spectroscopy -M. José Riballo
- The potential of near infrared reflectance spectroscopy (NIRS) for the estimation of quality parameters in tomato paste -M. José Riballo
- Tomato doubled haploid plant production? Yes we can -Wessel Holtman
- Development of adapted tomato-based products to improve the quality of life of people with Autism Spectrum Disorder (ASD) -M. José Riballo
- Effect of controlled deficit irrigation on yield and fruit quality in processing tomatoes HM 7883, in San Juan Argentina -Alfredo Olgún Pringles
- Development of new agroindustrial strategies for improving tomatoes for industry -Carlos Campillo
- Variability in volatile contents in raw processing tomatoes and tomato purees evaluated by SPME-GCMS - Carla Paes Cardoso Cagliari Martins
- Preemptive development of management strategies for branched broomrape: An emerging threat to California tomato production -O. Adewale Osipitan
- Response of wild tomato accessions to invasive insect pest *Tuta absoluta* (Meyrick) (Lepidoptera:Gelechiidae) under Indian condition -Pritha Ghosh
- Evaluation of the effect of mulching, density and date of planting on quality aspects - quantitatives in tomato (*solanum lycopersicum* L.) for industry in Yuto (Jujuy, Argentina) - Omar Alejandro Melis

Tuesday 10 November

09:00 am: Session 5 - Crop Management (Moderator: Carlos Campillo)

- Results of ten years trial of drip irrigated processing tomato in Hungary - Lajos Helyes
- Water stress monitoring under different water supply levels in tomato - Sandor Takacs
- Effect of regulated deficit irrigation on processing tomatoes HM 1892 yield, quality and water use efficiency, in San Juan, Argentina - Daniela Pacheco
- Impact of low water and nitrogen supply on the texture and color of purees from six tomato varieties - David Page

Paralel session :

09 :00 am : Congress session 4 : Innovations in the factory

- Invited speaker: Update and Innovations in the tomato processing industry in 2020- Marco Dalla Rossa

10:30 am : Coffee break

11:00 am: Session 6 - Crop Management (Moderator: Cosme Argerich)

- Development of new agroindustrial strategies for improving tomatoes for industry - Carlos Campillo
- Development of high lycopene tomato varieties for industrial processing - Elif Ercioglu
- Increase yield in tomato seed production by optimization of pollen supply chain and breeding for temperature resistant species - Pamela Klein
- Progress towards processing tomato production and promotion in India - Bindumadhava Hanumantha
- Climate change effects on processing tomato in southern Italy: a simulation study - Dominico Ronga

12:30 am: Lunch break

2:30 pm: Joint with congress- Consumption Revival by Health Promotion (Chair: Gwen Young) EFSA health claim for tomato products, project overview, findings, relevance, future - Luca Sandei

- Consumers' food choice and healthfulness perception. The impact of front-of-package nutrition labelling systems (FoPL) on tomato products - Montana Camara
- Invited speaker: Advances in research on the health benefits of tomatoes – benefits of nutrigenomics - Jean-François Landrier
- Development of foods with function claims based on the health benefits of tomato-derived nutrients - Kazutaka Yoshida

4:30 pm: Coffee break

5:00 pm: Joint with congress- Motivational speaker

8:30 pm: Gala dinner

Wednesday 11 November

10:00 am: Session 7 - Crop Management (Moderator: Patrick Smith)

- Reducing plant density by the use of rootstocks in processing tomatoes - Cosme Argerich
- Evaluation of rootstocks and planting density for processing tomato production in California's Central Valley - Brenna Aegerter
- Mechanized pruning as a recovery strategy for industrial tomato plants damaged by hail at different times of the vegetative cycle - German Babelis

11:00 AM : Coffee break

12:00 PM : Joint with congress- Closing Ceremony

1:30 PM : Lunch