ISSCT XIII Pathology and XI Entomology Workshops

25 to 29 November 2024

Salta, Argentina

Access the FIRST ANNOUNCEMENT

Second Announcement

"Dealing with sugar cane pests and diseases in the context of regenerative agriculture"





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WELCOME!

The Pathology and Entomology Sections of the International Society of Sugar Cane Technologists (ISSCT) will jointly hold the XIII Pathology and XI Entomology Workshops in Salta and Jujuy, Argentina, from November 25 to 29, 2024. The organizers are delighted to welcome sugar cane researchers from around the world.

KEY DATES in 2024	
30 March	Opening for abstract submission and registration
30 June	Deadline to submit abstracts for oral presentations, and posters
15 August	Notification of acceptance of oral presentations and posters from the Section Chairs
18 October	Deadline for workshop registration
24 November	Evening welcome reception
25-29 November	Workshop

TOPICS

This joint workshop will highlight major pests and diseases affecting sugar cane in the context of regenerative agriculture. Specific sessions will focus on disease and pest management strategies, biotic interactions, detection, biosecurity measures and economic impacts. Field visits will showcase a diverse inland area distributed along nearly 200 km (125 miles).

Specific topics that will be addressed during the workshop:

1. Pests and diseases in the Americas: field visits and country reports.
2. Integrated management of pests and diseases through conventional breeding and biotechnology; biocontrol; systemic diseases and clean seed programs; pathogen variability; management of vector-borne diseases; regenerative agriculture. Resistance of insects and pathogens to phytosanitary products.
3. Biotic interactions: contribution of biodiversity to the management of pests and diseases; crop-weed-insect interactions; host-pathogen interactions; hyperparasitoids.
4. Disease and pest detection: diagnostics; preliminary evaluation stages; material cleaning stages; sequence-based diagnostics.
5. Disease and pest resistance: contribution of breeding programs; sources of genetic resistance; germplasm banks.
6. Economic impact of pests and diseases; pest and disease assessment; yield loss.

7. Emerging pests and diseases: biosecurity; climate change; alert systems; quarantine and quarantine protocol harmonization; orange rust in the Americas; Sugar Cane Streak Mosaic Virus.

Oral presentations and posters

Participants are encouraged to prepare abstracts for oral or poster presentations related to the themes of the workshop and other topics of interest in the field of sugar cane pathology and entomology. Presentations will be 20 min including questions and discussion.
Abstracts and presentations at the workshop will not be published. Authors are encouraged to submit papers and posters for consideration for the ISSCT XXXII Congress based on their presentations at the November 2024 ISSCT Pathology and Entomology Joint Workshop (outlines should be submitted to issct.editor@bigpond.com by 30 August 2024).



PRELIMINARY PROGRAM

Sunday November 24
Pre-Registration and Welcome Cocktail

Monday November 25
Registration Opening Ceremony and Workshop Presentations
Opening Ceremony and welcome address (*ISSCT and Pathology and Entomology section representatives, workshop organizers*)
Keynote speech (*speaker to be defined*)
Coffee break
Workshop presentations

Tuesday November 26
Workshop Presentations

Wednesday November 27
Workshop Presentations and Country Reports

Thursday November 28
Field tour – Day 1 (Southern Section)
Field observations at Río Grande and Ledesma Sugar Mills and research activities at INTA Yuto in Jujuy. Pathology: brown rust infected sugar cane; clean cane nursery; mosaic resistant GM sugarcane; effect of RSD on the cultural yield of locally adopted varieties. Entomology: effect of effluent irrigation on sugarcane insects.
Farewell Dinner

Friday November 29
Field tour – Day 2 (Northern Section)
Field observations at Seaboard Sugar Mill and Chacra (Salta). Entomology: biological control facility; *Diatraea saccharalis*, sugarcane weevil and defoliating insects; rat traps in the field. Pathology observations: red stripe disease damages: top rot, cultural yield; Chacra Breeding program stages. Field observation of smut, leaf scald and other diseases in the breeding program stages; visit to Chacra's quarantine; tissue culture; pathology facilities.
End of the Workshop and transfer to Jujuy or Salta airports

HOST INSTITUTIONS

The XIII Pathology and XI Entomology ISSCT Workshops will be hosted by *Sociedad Argentina de Técnicos de la Caña de Azúcar* (SATCA). SATCA is the Argentinian Society of Sugar Cane Technicians, a 40-year-old organization that promotes technical progress in agriculture and industrialization of sugar cane through the exchange and communication among its members, as well as through interactions with similar organizations in the country and abroad. SATCA frequently sponsors and organizes conferences and technical meetings.

Argentina´s sugar cane activities are mostly developed south of the Tropic of Capricorn in three northwestern provinces (Tucumán, Salta, and Jujuy), where about 23 million tonnes of sugar cane are harvested yearly between May and mid-November from 370,000 ha. Cane is processed by 20 sugar mills to produce an equivalent of 2.2 to 2.5 million tonnes of sugar, 550 million liters of ethanol and to cogenerate 100 MW/h of biomass-based electricity. Although significantly smaller in volume, there is also sugar production in Northeast Argentina.

The country's sugarcane agroindustry has transformed and improved its production system in recent years, incorporating substantial innovations so that its main products can access increasingly demanding market conditions in terms of competitiveness and within the framework of notable advances in sustainability. The general strategy for the coming years is to take advantage of the opportunities that the modern world presents for the exploitation of this noble plant species; this is why the industry today relies on developing those innovations arising on the horizon of scientific knowledge.

LANGUAGE

The workshop will be conducted in English.

VISAS

Visitors from neighboring countries may enter Argentina carrying a valid ID. All other foreign citizens entering Argentina are required to bring a valid passport and return tickets. Foreign citizens from specific countries detailed in this LINK may also need a valid visa obtained at an Argentinian Embassy or Consulate or an ETA (electronic travel authorization) as instructed HERE. Participants must verify entry visa requirements according to their country of origin. Vaccination certificates may also be required.

WORKSHOP REGISTRATION

All workshop participants must be ISSCT members for the period 2023-2025. ISSCT membership dues are US$150 (https://issct.org/membership/). Workshop registration is US$ 300 per participant and is mandatory for all delegates. Registration fee covers local transfers during the Workshop, welcome dinner, lunch, snacks, and workshop kit. Accommodation costs are not included.

WORKSHOP REGISTRATION FORM HERE

ABSTRACT SUBMISSION

Authors of oral presentations and posters must submit a short abstract not exceeding 300 words. The title and the author names should be in capital letters, centered, followed by the institution information/affiliation and contact e-mail; a list of keywords, and the abstract text. The text format should be in Times New Roman, font size 12 pt., single line and justified. Abstracts should be submitted before the deadline mentioned above by email to the Pathology (jean-heinrich.daugrois@cirad.fr) or Entomology (jbeuzelin@ufl.edu) section chairs. When submitting abstracts, authors need to indicate their preference (oral presentation or poster). Abstracts will be made available on the ISSCT website at the member's corner section, as well as presentations authorized by their authors.

TOURIST ACTIVITIES





Northern Argentina is attractive and worth the visit in itself, with amazing landscapes and a huge variety of cultural, sightseeing and outdoor activities available throughout the year. La Puna, a high plain displaying desolated, spectacular natural landscapes including famous huge salt marshes, UNESCO World Heritage Sites as Quebrada de Humahuaca, and the Quilmes ruins in Amaicha, where pre-Columbian art is surrounded with spectacular Andes views. In the Valles Calchaquíes, beautiful landscapes host many of the highest vineyards in the world (1,700 to 3,000 m above sea level) where internationally awarded wines are produced and may be tasted.
Further information available at Salta Tourist Information , Jujuy Tourist Information and Tucumán Tourist Information.

VENUE AND HOTELS

Workshop sessions will be held in the COPAIPA convention center conveniently located downtown Salta City (see location here). A field trip to Río Grande (Jujuy), Ledesma (Jujuy) and Seaboard (Salta) Sugar mills and Chacra Experimental Agricola Santa Rosa (Salta) and INTA´s Yuto (Salta) Research Stations will showcase locally relevant diseases and pests, as well as the impact of regenerative agriculture practices. Food and beverages will be provided for lunch, as well as morning and afternoon breaks during the workshop.
A diverse offer of hotels is available near the venue in Salta. For organization purposes, a single hotel is recommended to the visitors for the field trip. A selection of nearby hotels is displayed below for your convenience:

Hotel	Website	Distance to venue
Workshop sessions - Hotels in Salta		
Alejandro I (*****)	www.alejandro1hotel.com.ar/en/index.php	350 m
Ayres de Salta (****)	www.ayresdesalta.com.ar/en/index.php	160 m
Design Suites (****)	www.designsuites.com/salta.php	400 m
Hotel Provincial Plaza (****)	https://provincialplaza.com.ar/	700 m
Hotel La Candela (***)	https://hotellacandela.com.ar/web/	800 m
Hotel Caseros (***)	https://hotelcaseros.com/	800 m
Field trip – Workshop Hotel in Orán, Salta		
Hotel Alto Verde	www.hotelaltoverdeoran.com.ar	n/a

CONTACT INFORMATION

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Entomology Section Chair:

- *Julien Beuzelin* jbeuzelin@ufl.edu

Organizers

- For general inquiries Isabel Antón satca.argentina@gmail.com