



CO-PRODUCTS WORKSHOP FIRST ANNOUNCEMENT Valorisation of factory co-products



*Brisbane, Queensland, Australia: 6-7 December 2021
Mackay, Queensland, Australia 8-9 December 2021*

The state of Queensland, in Australia, was chosen as the host of the 2021 ISSCT Co-Products Workshop. Queensland is Australia's largest sugarcane producer, producing over 90% of the country's sugar, and is the home to Sugar Research Australia, the Sugar Research Institute, Queensland University of Technology (QUT) and many other organisations working with sugarcane and its products.

COVID-19 permitting, the Workshop is intended to promote discussions on the main and emerging alternatives of sugarcane co-products with real cases and areas of high interest for different markets and scales (large scale/commodity to low scale/specialties).

To improve the quality and significance of the discussions the participants can submit abstracts for oral and poster presentations, which is very important for the Workshop Commission to organize a well-balanced program.

HOST: The Australian Society of Sugar Cane Technologists in association with the Centre for Agriculture and the Bioeconomy (CAB) as part of QUT's Science and Engineering Faculty will host the Workshop on Co-products in Brisbane and co-ordinate the site visit program to research locations in Brisbane and industrial sites in Mackay.

LANGUAGE: The Workshop will be conducted in English and there will be no simultaneous translation.

WORKSHOP FORMAT: There will be two days with oral and poster presentations with time allowed for discussions and two days with field visits to sugarcane co-products facilities. The oral and poster sessions will be presented in Brisbane at QUT followed by the field visits to Mackay district some 1000 km to the north of Brisbane. A memory stick and a booklet with the submitted and approved abstracts will be printed and delivered to the participants.

ENTRY VISAS: Participants with non-Australian passports generally will be required to obtain an entry visa. All Workshop participants from all countries should confirm their visa requirement with a travel agent.

ISSCT MEMBERSHIP: All participants must be current members of ISSCT for period 2019-2022 by the start of the Workshop. Details are available on the ISSCT Website: <http://www.issct.org/member.html>.

Contact for Information: Workshop Organizing Committee ISSCT2021workshop@qut.edu.au

SESSION THEMES

Themes for the workshop will be finalised after review of abstract submissions but a number of themes under consideration include:

1. Sugar, syrup and molasses derived products

- Nutritious sugar-based food products (specialty sugars, others)
- Monosodium glutamate;
- Organic acids: lactic, oxalic, citric, ribonucleic, others;
- Ethanol and other alcohols (methanol, propanol, butanol, others);
- Bioplastics;

2. Bagasse and trash derived products

- Combined heat and power systems (CHP): cogeneration;
- 2G ethanol and other Bioproducts;
- Hydrocarbons (renewable fuels/biofuels, lubricants, other)
- Pulp and paper and cardboard;
- Particle board;

3. Ethanol in the petrochemical industry

- Polyethylene;
- Acetaldehyde and acetates;
- PVC;
- Others;

4. Identifying new opportunities for co-products of sugarcane

- Food and feed products from yeast;
- Bioplastics, biochemicals, composites and building products, other
- Use of vinasse: in nature (fertigation), biodigestion (biogas and energy), concentration (combustion, composting), fertilizers; Unusual feedstocks for co-products: boiler flyash, bagasse chars, cane wax, non-centrifugal sugars, others;

5. Co-products as a way to diversification: needs, potential and challenges

- Biorefining commercialisation test cases
- Markets sizes, prices, business risks, labor qualification requirements;
- Easy routes: ethanol and electricity – upgrading existing sugar mills;
- Fusel oil refining;
- Lifecycle analysis for low carbon applications;
- Public policies to promote low carbon Bioproducts.



COSTS

- **A US\$ 300 registration fee will be charged to each participant.**
- **Each participant is required to be a member of ISSCT.**
- Workshop participants must bear their own costs of travel, accommodation, meals and other incidentals.

YOUR REGISTRATION FEE INCLUDES:

- Cocktail on evening of 5 December 2021.
- QUT is located in central Brisbane at Gardens Point which is within walking distance from several hotels in the Central Business District. [These include Hotel Royal on the Park, Great Southern Hotel, Arise Brisbane Skytower, Oaks Brisbane Casino Tower Suites, Stamford Plaza Brisbane and many others.]
- Coffee breaks during the Workshop.
- Lunch at workshop (6 and 7 December).
- Transport to visit research locations in Brisbane.
- Conference dinner (7 December).
- Transport to and from Mackay hotels to Mackay Renewable Biorefinery Pilot Plant, Racecourse Mill (Cogen plant), Sarina Distillery on 8 and 9 December.
- Lunch in Mackay (8 and 9 December).
- Informal dinner in Mackay (8 December).

KEY DATES

- **1 June – 20 October:** Application and abstract submission.
- **1 September:** Notification of application and abstract acceptance.
- **1 September – 15 November:** Payment period.

YOUR REGISTRATION DOES NOT INCLUDE:

- Airflights to and from Australia.
- Any internal airflights in Australia including Brisbane to Mackay flight on morning of 8 December. Please book this with your international flight if you wish to undertake the field trip to Mackay.
- Meals not specified in the registration fee.
- Hotel costs in Brisbane and Mackay.

OTHER DETAIL

- COVID-19 permitting, Qantas and Virgin Australia offer flights from Brisbane to Mackay on 8 December (8 - 9am departure and 90 minute fly time). Return flight prices are variable (roughly A\$300).
- Recommended places to stay in the Mackay CBD include Oaks Rivermarque, Rydges Mackay Suites, Riviera Mackay, and Lanai Riverside apartments.

Workshop Venue

QUT Science and Engineering Faculty

Centre for Agriculture and the Bioeconomy (CAB)

Gardens Point Campus - 2 George Street, Brisbane City, Queensland 4001

<https://www.qut.edu.au/research/centre-for-agriculture-and-the-bioeconomy>

