



ISSCT CO-PRODUCTS WORKSHOP

19-22 March 2012



SUCCESSFUL UTILISATION of CO-PRODUCTS in the SUGAR INDUSTRY

Organized by

The Thailand Society of Sugar Cane Technologists (TSSCT), Kasetsart University, & Mitr Phol Sugar Corp., Ltd.

The International Society of Sugar Cane Technologists (ISSCT) and the Thailand Society of Sugar Cane Technologists (TSSCT) are organizing a “Co-Products Workshop” which will be held at the Sofitel Centara Grand Bangkok, 1695 Phaholyothin Road, Chatuchak, Bangkok, Thailand, from Monday 19 to 22 March 2012.

This workshop aims to discuss the possibilities to produce value-added co-products from the intermediate- and by-products of the cane sugar industry. The current and emerging technologies in this field will be a focus of this meeting and will include the fermentation process to produce ethanol and bio-monomers (such as lactic acid and succinic acid) from cane juice, molasses and cellulosic residue, gasification of bagasse and the production of chemicals and animal feed from sugar and its by-products. The energy efficiency in distillation and cogeneration of bagasse will also be addressed.



Draft Programme Rev 04

ISSCT Co-Products Workshop, Bangkok, Thailand 19-22 March 2012

Sunday March 18	Arrival and Registration at the Sofitel Centara Grand Bangkok	
Monday March 19	Session A	<p>Overview papers</p> <ul style="list-style-type: none"> • Co-Products Operation at a Cane sugar factory by Narendra Mullapudi, India • Biorefinery in the Starch & Sugar Industries by N.N., Praj Co., India • Logistic infrastructure for Ethanol blending by Phani Mohan, India • Potential and Future of Thai Bioplastic Industry by P.Weerathaworn, Thailand • The Recent Situation of the Thai Sugar Industry and the National Bioethanol policy by K. Sriroth, Thailand
	Session B	<p>Advances in ethanol fermentation from juice and molasses</p> <ul style="list-style-type: none"> • Extractive Fermentation of Ethanol from concentrated sweet sorghum juice by A. Kongkaew and A. Boontawan, Thailand • Investigation of fermentable sugars ratio in molasses during storage by N.N., Thailand
	Session C	<p>Advances in cellulosic ethanol fermentation</p> <ul style="list-style-type: none"> • A brief review of developments for the production of cellulosic ethanol by B Lavarack, Australia
	Session D	<ul style="list-style-type: none"> • Energy efficient distillation schemes • Treatment of vinasses by biodigestion, concentration and incineration by Praj,

	Session E	India Welcome dinner
Tuesday March 20	Session F	Overview of cogeneration in Thailand <ul style="list-style-type: none"> Cogeneration strategy at the Mitr Phol sugar mills by N.N., Thailand (to be confirmed)
	Session G	Gasification of bagasse and cogeneration potential <ul style="list-style-type: none"> Production sugar cane and bagasse in IRAN and the plans by H. Etezadi, Iran
	Session H	Chemicals & derivatives from sugar and molasses <ul style="list-style-type: none"> Production experience of Fructose from Sucrose using simulated moving beds by M. Prongjit, P. Chapanya e.al, Thailand Pilot scale D-Lactic acid production from sucrose by S. Glunma, P. Chapanya, S. Plangtai, e.al., Thailand Effect of Nitrogen source on production of L-lactic acid from sugar cane syrup by K. Sriroth, W. Timbuntam e.al., Thailand Direct Polymerization of Lactic Acid to Polylactic Acid (PLA) by N.N., Thailand L-Lactic acid production from molasses by W. Tiumbuntam, K. Sriroth and Y. Tokiwa, Thailand Synthesis of poly(D-co-l-lactic acid 0block copolymers by W.Pivsa-Art, S.Niamlang, R. Wongprachan, S. Pivsa-Art Separation of D,L-Lactic Acid by Filtration Process by A. Boonpan, A. Areesirisuk, P. Sirisangsawang, Y. Sookklay, S.Pivsa-Art
	Session I	Animal Feeds from bagasse and molasses <ul style="list-style-type: none"> No papers yet (Possible sources: Brasil, India)
	Session J	Particle boards from bagasse <ul style="list-style-type: none"> Production of Medium density Fireboard (MDF) from bagasse in Iran by E. Rezaei-Araghi, Iran
	Session K	Introduction to the Plant Visits on 21-22 March 2012 <ul style="list-style-type: none"> Overview of coproduct production at the Saraburee and Supan Buree plants by K. Sriroth e. al., Thailand Patented Heating Technology by C.O. Aygun, Germany
Wednesday March 21	Site visit: Saraburee ethanol factory (Ethanol from bagasse hemicellulose and molasses)	
Thursday March 22	Site visit: Mitr Phol Sugar Corp., Ltd., Supan Buree (Cogeneration, ethanol and invert syrup plants) Farewell Party	
Friday March 23	Departure	

Participation

The number of participants is limited to 40 to 50 technologists. Preference will be given to those who are prepared to make a brief formal presentation to the workshop and provide a brief abstract.

Abstracts

Abstracts must be submitted in English only. These must be submitted by e-mail in Microsoft Word or Rich Text Format or typed on A4 paper if faxed. Abstracts should comprise a title, the author's name and affiliation and clearly summarise the content of the presentation. They should be between half and one page long, together with 3-5 keywords not included in the title.

The deadline for registration for the Co-Products Workshop has been extended to Wednesday 8th February 2012.

IMPORTANT NOTES

1. **Flight**

Please arrange your flight to arrive Bangkok on Sunday 18 March 2012. Please inform us of your flight details for pick up arrangements (departure is on Friday 23 March 2012).

2. **Cost**

2.1 **Participants must meet their own costs of travel and accommodation. Registration fee will be US\$200 per person, which includes site visits, lunch and refreshments during the workshop and a farewell dinner.**

2.2 **All delegates MUST have a current membership of ISSCT by the time they attend the workshop. Personal membership costs US\$125 Contact: ISSCT Secretariat, Mauritius Tel +230 465 6800 Fax +230 465 2961, e-mail: issct@intnet.mu. ISSCT Registration forms are available at: <http://www.issct.org/member.html>. It will be possible for participants to register as ISSCT members at the Workshop with payment of USD 125 and filling up of a membership application form. A membership card will be sent to the members after the Workshop.**

2.3 **Payment Transfer**

Registration fee (200 USD) can be transferred to the organizer by following:

Bank Name : SIAM COMMERCIAL BANK PUBLIC COMPANY LIMITED

Swift Code : SICOTHBK

**Address : No 9 RATCHADAPISEK ROAD, LADYAO, JATUJAK,
BANGKOK 10900**

Account no.: 235-213 227-0

Please inform us after transfer and show the transfer slip at registration desk.

Cash

Registration fee (200 USD) can be paid in cash at the registration desk (in US Dollars)

2.4 **Application to attend the Workshop**

Registration forms for the Workshop are available from:

Assoc. Prof. Dr. Klanarong Sriroth

Kasetsart Agricultural and Agro-Industry Improvement Institute (KAPI), Kasetsart University

Bangkok, Thailand, 10900

Tel/Fax: (66) 2 9405634

E-mail: aapkrs@ku.ac.th

Abstract(s) should be sent to:

Dipl.-Ing. Pedro Avram-Waganoff

Commissioner and Section Chair ISSCT Coproducts Section

c/o IPRO Industrieprojekt GmbH

Celler Strasse 67

D-38114 Braunschweig, GERMANY

Tel: +49 531 590 0323

Fax: +49 531 590 0345

E-mail: avram@ipro-bs.de

**ISSCT CO-PRODUCTS WORKSHOP
BANGKOK, THAILAND
19-22 MARCH 2012
“SUCCESSFUL UTILISATION OF CO-PRODUCTS IN THE SUGAR INDUSTRY”**

Select all, copy, paste in Word and then fill in, save and
send as e-mail attachment to: aapkrs@ku.ac.th
OR print, fill in and fax on: (66) 2 9405634
Or mail to

**Prof. Dr. Klanarong Sriroth, Kasetsart Agricultural and Agro-Industry Improvement Institute (KAPI),
Kasetsart University, Bangkok, Thailand, 10900**

REGISTRATION FORM

Last name : _____
First name : _____
Company : _____
Position : _____
Address: _____ _____
Telephone No: _____
Fax No: _____
E-mail address: _____
I will be prepared to present a (10 minute maximum) presentation(s) at the following sessions :
Day: _____
Session name(s): _____
Title(s) of presentation(s): _____
NB: Abstract(s) of your paper(s) must accompany this registration form.

**ISSCT CO-PRODUCTS WORKSHOP
BANGKOK, THAILAND
19-22 MARCH 2012
“SUCCESSFUL UTILISATION OF CO-PRODUCTS IN THE SUGAR INDUSTRY”**

Select all, copy, paste in Word and then fill in, save and
send as e-mail attachment to: aapkrs@ku.ac.th
OR print, fill in and fax on: (66) 2 9405634
Or mail to

Prof. Dr. Klanarong Sriroth, Kasetsart Agricultural and Agro-Industry Improvement Institute (KAPI),
Kasetsart University, Bangkok, Thailand, 10900

APPLICATION FORM FOR ACCOMMODATION

Please book accommodation (bed and breakfast)

Name (s) : _____

Accompanying person : _____

Single room at USD 110 per room per day Yes No

Double room sharing at USD 120 per room per day Yes No

For the night(s) of (inclusive):

Will be person accompanying you participate in the alternative programme? Yes No

Please indicate any dietary restrictions: _____

TRAVEL SCHEDULE

(To supply when participation is confirmed)

Arrival

Date: _____

Flight Number: _____

Time: _____

Departure

Date: _____

Flight Number: _____

Time: _____

NB: DO NOT SEND ANY MONEY with the REGISTRATION FORM, PLEASE WAIT UNTIL YOU RECEIVE CONFIRMATION THAT YOUR APPLICATION HAS BEEN ACCEPTED.