

8th StarchWorld ASIA

23 - 24 Jan 2019 / Bangkok, THAILAND

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Separately Bookable Pre - Conference Workshop

23 January 2019 (9:00 am - 12:30 pm)



Introduction & Review of Modified Starches in the Light of the Clean Label Challenge

Dr. Michael Radeloff

Senior Tutor Technology Training Courses

9:00 Clean Label Starches

- Why to modify starch?
- The legal framework of food starch modification
- Physical starch modifications (pre-gelatinization, hydrothermal treatment)
- Enzymatic starch modification
- Key characteristics of physically / enzymatically modified starches

10:45 Coffee break

- 11:15 • Chemical starch modification (starch thinning, starch esters, starch ethers)
- Key characteristics of chemically modified starches
- Chemical starch modification technology (Slurry Modification, Semi-dry and Dry Modification)

12:30 End of Workshop

Day One - 23 Jan 2019, Wednesday

- 12:30 Registration & Light Lunch
- 13:30 Chairman's Introduction
*Jorgen Larsson, CEO,
G. Larsson Starch Technology AB*
- 13:35 **Changing Dynamics of Tapioca Markets & Way Forward**
*Simon Bentley, Managing Director,
Commoditia Ltd*
- 14:05 **Latest Developments in Cassava Crop Including**
 - Current extent of the cassava mosaic disease
 - Production, processing of cassava crop
 - Agri technology, smart farming concepts
 - New cassava policies

Perspectives from:

i) Vietnam
*Dr. Duong Thi Nguyen,
Thai Nguyen University of Agriculture and Forestry*
*Dr. Trinh Xuan Hoat,
Deputy Director General,
Plant Protection Research Institute (PPRI)*

ii) Cambodia
*Prak Cheattho, Deputy Director General,
Ministry of Agriculture, Forestry and Fisheries*
- 15:15 Discussion followed by Tea
- 15:45 **Update on Actions in Place to Manage Cassava Mosaic Disease**
*Dr. Jonathan Newby, Research Economist,
International Center for Tropical Agriculture (CIAT)*

- 16:15 **Tapioca Smart Farming Concept in Thailand**
*Thidarat Rodanant, Managing Director,
SWI - Sanguan Wongse Industries Co Ltd*
- 16:45 Final Discussion. Close of Day 1
- 17:00 Networking Cocktail Reception for all Participants & Speakers

Day Two - 24 Jan 2019, Thursday

- 09:00 Chairman's Introduction
*Henk Jaap Meijer, Managing Director,
Meijer Consult BV*
- 09:05 **Vietnam - Cassava Starch Market Update - A Producer's perspective**
 - Managing the current tight supply situation
 - Partnership with farmers to ensure supply of fresh tapioca of high standard
 - Expansion plans

*Michael Y Yoong, Chief Representative,
Hung Duy Co. Ltd.,*
- 09:40 **Competition for Cassava Area from Sugarcane and How That's Looking with Low World Sugar Prices and Policy Reform in Thailand**
*Sara Girardello, Head of Starch Research,
LMC International Ltd*
- 10:20 Discussion followed by Morning Coffee
- 10:50 **Global Corn Market Trade Dynamics and Outlook into 2020**
 - Impact of the China/US trade war

*Darin Friedrichs, Risk Management Consultant,
Intl FC Stone*
- 11:20 **Sweet & You 360° - Comprehensive Sweetening Solutions**
*Kenneth Wang, Senior Customer Technical Service and Application Manager,
Tereos*
- 11:50 **Allulose - The New Functional Sweetener from Starch & Sugar**
*Yuma Tani, Deputy Manager,
Rare Sugar Business Unit,
Matsutani Chemical Industry Co Ltd*
- 12:20 **Advanced Cassava Breeding for Modified Starch**
 - Using CRISPR-Cas9 gene to improve cassava starch with new waxy variety

*Dr. Simon Bull, Molecular Plant Breeder - Cassava Improvement Expert,
ETH Zurich*
- 12:50 Discussion followed by Lunch
- 13:50 Afternoon Chairman
*Simon Bentley, Managing Director,
Commoditia Ltd*
- 14:00 **Discovery of Resistant Starch from Novel Waxy Tapioca Variety & Potential Applications in Food**
*Wanphen Weil, Researcher,
Kasetsart University*
- 14:30 **Advancements in Producing Ethanol from Cassava Pulp**
*Patrick Pitkanen, Head of Sales & Business Development,
ST1 Renewable Energy Oy*
- 15:00 Discussion followed by Tea
- 15:30 **Innovations in Reduction of GI From Healthy Refined Carbohydrates such as Rice**
*Alan Phua, CEO & Co-Founder,
Alchemy Foodtech Pte Ltd*

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16:00 **Forget Clean Label, Plant Based will be the New Trend**

*Henk Jaap Meijer, Managing Director,
Meijer Consult BV*

16:30 **Innovating with Rice Based Ingredients**

*Eric Weisser, Innovation director,
Ingredion Singapore Pte Ltd*

17:00 Final Discussion. End of Conference

“Fast - changing dynamics of the cassava markets with looming shortage and spreading of disease”

It is a challenging time for cassava as prices have developed their own dynamics detached from world market fundamentals due to the critical shortage of roots and the rapid growth of mosaic disease detected largely in eastern Cambodia and southern Vietnam.

The panel of authorities from the top 3 producing in Asia will share on the impact of CMD (cassava mosaic disease) and how this might affect supply going forward.

The leading issue in the minds of processors is what is the threat of CMD on the supply outlook in the next 6-9 months? Will prices remain high? Will they switch to corn or rice?

Ingredion investing \$60 million in Asia-Pacific

- Food Business News 26/09/2018

Ingredion builds its on-trend rice ingredient business and continues to make further investments in Asia. Earlier this year, the company expanded its modified and clean label specialty starch capabilities in tapioca, waxy corn and rice in the region.

Despite the high prices, demand for cassava-based products is increasing as consumption patterns change. New global markets are developing with growing demand for ‘clean label’ and differentiated products such as gluten-free or GMO-free. Cassava starch has always had superior functional properties in many applications sought after by food processors and manufacturers.

As leading producer, Thailand starch producers are upgrading their facilities, investing in higher value added cassava starch and derivatives and also investing in smart farming concepts to improve yields.

CMT returns to Thailand for its 8th edition of Starch World Asia and has lined up key panel of speakers to share the latest news. Key highlights include :

- Outlook for cassava markets with impending shortage
- Opportunities to switch to sugar with current low prices?
- Vietnam starch market update from the perspective of a local player
 - How are they coping with root shortage issues
- Developments in smart agri technology for cassava plantations in Thailand
- Global corn markets & trade outlook with rising concerns over China-US trade tension
- The damage caused by CMD and what actions are in place to tackle the disease
- What is really clean label? are we past that trend?
- Innovations in on-trend rice based solutions
- Discovery of resistant starch from novel waxy tapioca variety
- Advanced cassava breeding for modified starch

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Regular Fee for 1	1295.00
Register 3 or more to Save (per person)	- 200.00
(Optional) Pre-Conference Workshop for Conference Attendee (23 Jan 2019, 09:00 – 12:30)	395.00
Workshop for Non-Conference Attendee	695.00
Pay online by 21 Dec with Visa/Master Card to save (per person)	-75.00

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