

PROGRAMME AND ABSTRACTS

International Symposium on Superfruits:

Myth or Truth?

1-3 July 2013
Ho Chi Minh City
Vietnam



Food and Agriculture
Organization
of the United Nations



International Tropical
Fruits Network



Ministry of Agriculture
and Rural Development,
Vietnam

Symposium Programme

1 July 2013 (Monday)

08:30 **Welcome address**

Kaison Chang

*Secretary, Intergovernmental Group on Bananas and Tropical Fruits,
Food and Agriculture Organization of the United Nations (FAO)*

08:45 **Welcome address from co-organiser**

His Excellency Dato' Mohd Hashim Abdullah

*Secretary-General, Ministry of Agriculture and Agro-Based Industry, Malaysia
Chairperson, International Tropical Fruits Network (TFNet)*

09:00 **Opening address**

Her Excellency Nguyen Thi Xuan Thu

Vice Minister for Agriculture and Rural Development, Vietnam

09:15 **Break**

Session 1: Defining superfruits

Chairperson: Kaison Chang

Secretary, Intergovernmental Group on Bananas and Tropical Fruits, FAO

09:30 **Introduction by the Chair**

09:40 **The impact of superfruit development on the socio-economic welfare of smallholder producers**

His Excellency Mario Arvelo

Ambassador of the Dominican Republic to the United Nations Rome-Based Agencies

on behalf of

Her Excellency Agnes Cishek

Vice Minister for Agriculture Sector Planning, Dominican Republic

10:00 **Superfruits: a gimmick or scientifically supported? How the science impacts the marketplace or vice versa**

Mary Ann Lila

Director, Plants for Human Health Institute, North Carolina State University

10:20 **Discussion**

10:35 **Fruits are super vs superfruits**

Barbara Burlingame

Deputy Director, Nutrition Division, FAO

- 10:55 **Review of the scientific evidence regarding the attributes of “superfruits” and agronomic considerations**
Alison Hodder
Senior Officer, Plant Protection and Protection Division, FAO
- 11:15 **Therapeutic values of superfruits beyond nutrition and their value addition for commercialization**
DBT Wijeratne
Additional Secretary (Agricultural Technology), Ministry of Agriculture, Sri Lanka
- 11:35 **Progress on bioactive compounds and pharmacological activities of several major tropical and subtropical fruits in China**
Yi Ganjun
Vice President, Guangdong Academy of Agricultural Science, China
- 11:55 **Plenary discussion to define superfruits in the scientific and marketing contexts**
- 12:20 **Morning session wrap up**
- 12:30 **Lunch**

Session 2: Getting Superfruits to Market

Chairperson: His Excellency Dato’ Mohd Hashim Abdullah

Chairperson, International Tropical Fruit Network (TFNet)

- 14:00 **Introduction by the Chair**
- 14:10 **Supply and demand trends in the global superfruits market**
Lu Ann Williams
Head of Research, Innova Market Insights, BV, Netherlands
- 14:30 **Developing the market potential of mangosteen as a superfruit with focus on quality enhancements, promotional requirements and market expansion**
Rhoedhy Poerwanto
Professor, Bogor Agriculture University, Indonesia
- 14:50 **Discussion**
- 15:05 **Demand trends, market, price developments and promotional requirements for dragon fruit**
Luong Ngoc Trung Lap
Southern Fruits Research Institute (SOFRI), Vietnam
- 15:25 **Market potential of miracle berry in West Africa : production, consumption and trade**
Omolaja Adelaja
Deputy Director, Nigerian Institute of Horticulture, Nigeria

- 15:45 **Break**
- 16:00 **Challenges on production of tropical fruits in the Philippines**
Edna Anit
Assistant Director, Philippine Council for Agriculture, Aquatic and Natural Resources Research and Development (PCAARRD), Philippines
- 16:20 **Production and expansion of the export market for papaya in Asia and the Pacific**
Miliakere Nawaikula
Director of Research, Ministry of Primary Industries, Fiji
- 16:40 **Plenary discussion to define superfruits in the marketing context**
- 17:05 **Wrap up**

2 July 2013 (Tuesday)

Session 3: Technical and Institutional Issues and Constraints

Chairperson: Trinh Khac Quang

Vice President, Vietnam Academy of Agricultural Science

- 08:30 **Introduction by the Chair**
- 08:40 **Developing and adopting appropriate technology in superfruits production**
Bob Williams
Director of Plant Industries, Northern Territory Government, Australia
- 09:00 **Post-harvest requirements: farm to market and is there a case for certifying superfruits?**
Errol Hewitt
Professor Emeritus, Massey University and Chairperson of ISHA Post Harvest Commission

Parallel Session 1: Value Chains and Production Technology of Potential Superfruits

Chairperson: Yacob Ahmad

Chief Executive Officer, International Tropical Fruits Network

- 16:00 **Aiming on a direct delivery of mangosteen from hill to city**
Juejan Tangtermthong
Executive Director, Agricultural and Food Marketing Association for Asia and the Pacific, Bangkok, Thailand
- 16:20 **Malaysian carambola from a rising star to a global leader**
Zabedah Mahmood
Deputy Director, Malaysian Agriculture Research and Development Institute, Malaysia
- 16:40 **Discussion and wrap up**

Parallel Session 2: Value Chains and Production Technology of Potential Superfruits

Chairperson: Yi Ganjun

Vice President, Guangdong Academy of Agricultural Science, China

- 08:30 **Experience in commercialising of *Canarium odontophyllum* Miq.: A potential superfruit of Sarawak**
Pearlycia Brooke
Department of Agriculture Sarawak, Malaysia
- 08:50 **Tree distance and replacement of citrus greening diseased trees of king mandarin for a super fruit**
Katsuya Ichinose
Resident Officer, Kyushu Okinawa Agricultural Research Centre, Japan

09:20 **Tackling technical and institutional constraints in the development of superfruits in Africa**

Badreldin El Sheik Hassan
Director-General, Horticulture Sector Administration, Ministry of Agriculture, Sudan

09:40 **Improving market access for superfruits through effective dissemination of market information to smallholders**

Sisir Mitra
Chairperson, Tropical Fruits Committee, International Society for Horticultural Science

10:00 **Discussion and wrap up**

09:10 **Studies on identification of pitaya (*Hylocereus undatus*) yellow cladode-brown spot and the evaluation of some antagonisms, agrochemicals against the pathogens under laboratory conditions**

Nguyen Thanh Hieu
Southern Horticultural Research Institute, Vietnam

09:30 **King mandarin rated as a superfruit in Southern Vietnam by the introduction of tree training and pruning**

Kazuyoshi Yuasa
Project Officer, Japan International Cooperation Agency (JICA), Japan

09:50 **Discussion and wrap up**

Session 4: Enhancing Food Security for Smallholder Producers

Chairperson: Sisir Mitra

Chairperson, Tropical Fruits Committee, International Society for Horticultural Science

10:35 **Introduction by Chair**

10:45 **Smallholder participation in the tropical superfruits value chain: ensuring equitable share of the success to enhance their food security**

Kaison Chang and Margarita Brattlof
Secretariat, Intergovernmental Group on Bananas and Tropical Fruits, FAO

11:05 **Improving farmers' integration into the tropical fruit value chain to enhance market access in Myanmar**

Than Than Sein
Myanmar Fruit, Flower and Vegetable Producer And Exporter Association, Myanmar

Parallel Session 3: Selection, Postharvest, Pest and Disease Management and Processing of Potential Superfruits

Chairperson: Bob Williams

Director of Plant Industries, Northern Territory Government, Australia

10:15 **Evaluation and selection of early lychee cultivars in Vietnam**

Nguyen Van Dung
Fruit and Vegetable Research Institute, Vietnam

10:35 **Survey on the postharvest quality and management of dragon fruits exported from Vietnam to Holland**

Nguyen Van Phong
Southern Horticultural Research Institute, Vietnam

11:25 **Implementing effective policies to enhance market access and improve smallholder integration into tropical superfruit value chains**

Yacob Ahmad
*Chief Executive Officer,
International Tropical Fruits
Network*



11:45 **Policy advice to enhance smallholder food security**
His Excellency Mario Arvelo
*Ambassador of the Dominican
Republic to the United Nations
Rome-Based Agencies*

12:05 **Discussion and wrap up**

12:25 **Lunch**

10:55 ***Phytophthora citricola*: New finding pathogen on durian in Vietnam, control models and preliminary results on varieties screen against *Phytophthora* spp.**

Nguyen Van Hoa
*Southern Horticultural Research
Institute, Vietnam*

11:15 **Infestation of pomelo fruit borer *Citripestis Sagittiferella* (Moore) (Lepidoptera: Pyralidae) in Vietnam and the effect of compact fluorescent lamp as a repellent**

Le Quoc Dien
*Southern Horticultural Research
Institute, Vietnam*

11:35 **Total phenolic contents and antioxidant activity of *Musa AAA Berangan* after UV-C Radiation**

Phebe Ding
*Faculty of Agriculture, Universiti
Putra Malaysia, Malaysia*

11:55 **Commercialization of clarified salak beverage using enzymatic treatment and microfiltration technology**

Wan Izzuddin Sulaiman
*Corporate and Technical Director,
Team Biovision Sdn Bhd, Malaysia*

12:15 **Study of characterization of pectin gel extracted from Malaysian pomelo fruits (*Citrus Maxima merr.*) peels as a noble food ingredient**

Chek Zaini Hassan
*Universiti Sains Islam Malaysia,
Malaysia*

12:35 **Discussion and wrap up**

12:55 **Lunch**

Session 5: The Way Forward

- 15:00 **Chairperson's report of the parallel technical session**
Bob Williams
Director of Plant Industries, Northern Territory Government, Australia
- 15:15 **Presentation of the draft action plan**
Kaison Chang
*Secretary, Intergovernmental Group on Bananas and Tropical Fruits,
Food and Agriculture Organization (FAO)*
- 15:30 **Discussion and adoption of action plan**
- 16:30 **Closure of Symposium**

3 July 2013 (Wednesday)

- 07:00 **Assembly at hotel car park**
- 07:30 **Departure to My Tho, Tien Giang Province**
- 09:30 **Briefing and station visit: Southern Fruit Research Institute, My Tho**
- 11:00 **Visit to sapodilla growing area**
- 12:30 **Lunch break**
- 14:00 **Visit to dragon fruit growing area in Tien Giang**
- 16:00 **Return to Ho Chi Minh City**