

Programme

International Congress on Tropical Agriculture

“Overcoming Challenges to Developing Sustainable Agri-food Systems in the Tropics”

Monday 01 December, 2008

8.00 – 8:30 am Registration

Subtheme 1 – Meeting the Global Challenges through Innovation

Session 1: International Perspectives

Chairperson – Florita Kentish, FAO Representative in Trinidad and Tobago, Guyana and Suriname,
Food and Agricultural Organisation (FAO), Trinidad and Tobago

- 8:30 – 9:00 **TAC_1: Keynote Address:**
“Innovations in Plant Science & Technology for Sustainable Agri-food Systems in the Tropics”
Prof. Malcolm Elliott, Executive Director, Norman Borlaug Institute for Crop Improvement, United Kingdom
- 9:00 – 9:10 Discussion
- 9:10 – 9:40 **TAC_2: Keynote Address:**
“Biofuels – Fuelling a Food Crisis or Fuel of the Future”
Prof. Arthur B.J. Mol, Chair and Professor in Environmental Policy, Agricultural Research Centre, Wageningen University, the Netherlands
- 9:40 – 9:50 Discussion
- 9:50 – 10:05 **COFFEE BREAK**
- 10:05 – 10:35 **TAC_3: Keynote Address:**
“Overcoming the Effects of Climate Change: What Can Underutilised Crops Bring to the Table?”
Prof. Sayed Azam-Ali, Professor of Tropical Agronomy, University of Nottingham, Malaysia Campus
- 10:35 – 10:45 Discussion

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10:45 – 11:15 TAC_4: **Keynote Address:**

“New Frontier Science - Nanotechnology / Implications for the Developing World”

Dr. Thembela Hillie, Principal Research Scientist, National Centre for Nano-Structured Materials, Council for Scientific and Industrial Research, Pretoria, South Africa

11:15 – 11:25 Discussion

12 noon – 13:00 LUNCH

Session 2: Caribbean Response to Global Challenges

Chairperson-Dr. H. Arlington D. Chesney, Executive Director, Caribbean Agricultural Research and Development Institute (CARDI), Trinidad and Tobago

13:00 – 13:20 TAC_5: **Invited Paper**

“Globalization and Internationalization of Agri-Food Chains and Markets”

Winston Rudder, Cropper Foundation, Trinidad and Tobago

13:20 – 13:40 TAC_6: **Invited Paper**

“Strategies for Sustaining Food Security in The Caribbean”

Dr. Deep Ford, Food and Agricultural Organisation, Rome, Italy

13:40 – 13:50 Discussion

13:50 – 14:10 TAC_7 : **Invited Paper**

“Globalisation and Governance: Some Selected Issues”

Dr. Ridwan Ali, University of Florida, USA.

14:10 – 14:30 TAC_8: **Invited Paper**

“Overcoming Challenges Facing the Cocoa Industry – An Industry Perspective”

Tony Lass, Cocoa Research Association Ltd., United Kingdom

14:30 – 14:50 TAC_9: **Invited Paper**

“Innovations in Combating the Effect of Climate Change in the Tropics.”

Dr. Carlisle Pemberton and Ms. Hazel Patterson, The University of the West Indies, Trinidad and Tobago

14:50 – 15:00 Discussion

15:00 – 15:15 COFFEE BREAK

Session 3: Panel Discussion

“Overcoming Challenges to Developing Sustainable Tropical Agri-Food Systems”

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Moderator – Dr. Chelston Braithwaite, Director General, Inter-American Institute for Co-operation on Agriculture (IICA), Costa Rica

15:15 – 16:45 TAC_10: **Panel Discussion:**

Lead Discussants:

Dr. Chelston Braithwaite (Moderator)

Professor Malcolm Elliot

Professor Arthur Mol

Professor Sayed Azam-Ali

Dr. Thembela Hillie

Mr Winston Rudder

Dr. Hesdie Grauwde

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Tuesday 02 December, 2008

8.00 – 8:30 am Registration

Subtheme 2 – Innovations in Production and Post-production and Science and Technology

Session 4: Innovations in Agricultural Production

Chairperson – Ms. Judith Francis, Programme Leader, Technical Centre for Agricultural and Rural Cooperation ACP-EU (CTA), the Netherlands

- 8:30 – 9:00 TAC_11: **Keynote Address:**
“Goat Genetic Resources in Developing Countries: Strategies for Improved Use, Increased Productivity and Socio-Economic Relevance”
Dr. C. Devendra, Consultant and Retired Senior Program Officer (Animal Production Systems - Asia Programme), International Development Research Centre (IDRC)
- 9:00– 9:10 Discussion
- 9:10 – 9:40 TAC_12: **Keynote Address:**
“Engineering Cassava to Feed the Hungry and Boost Local Production”
Dr. Claude Fauquet, Director, International Laboratory for Tropical Agricultural Biotechnology (ILTAB), Donald Danforth Plant Science Centre, University of Washington, USA
- 9:40 –9:50 Discussion
- 9:50 – 10:05 **COFFEE BREAK**
- 10:05 – 10:25 TAC_13: **Invited paper**
“The Caribbean Regional Fisheries Mechanism in Search of a Common Fisheries Policy and Regime for CARICOM”
Hugh Saul, Caribbean Regional Fisheries Mechanism (CRFM), Belize
- 10:25 – 10:45 TAC_14: **Invited paper:**
“Innovations in Land Capability and Associated Soil Management within the Caribbean”
Professor Emeritus Nazeer Ahamad & Gaius Eudoxie, The University of the West Indies, Trinidad and Tobago
- 10:45 – 10:55 Discussion

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- 10:55 – 11:15 **TAC_15: Invited paper:**
“Recent Progress in Breeding for Specific Traits in Cocoa”
Iwaro, A.D., Bekele, F.L., Butler, D.R., Singh, V., Holder-John, A., Bharath, S., Surujdeo-Maharaj, S., Thevenin, J.M, Deberdt, P., Bidaisee, G.G. Cocoa Research Unit, The University of the West Indies, St. Augustine, Trinidad and Tobago
- 11:15 – 11:35 **TAC_16: Invited paper:**
“Innovations in Crop Biotechnology and its Impact in the Caribbean”
Prof. Pathmanathan Umaharan, The University of the West Indies, Trinidad and Tobago
- 11:35 – 11:55 **TAC_17: Invited paper:**
“The Impact of Agricultural Science and Technology on Poverty Reduction”
Dr. Maria Cristina Plencovich, Universidad de Buenos Aires, Argentina
- 11:55 – 12:05 Discussion
- 12:05 – 13:30 **LUNCH**

Session 5: Innovations in Post Production Technologies and Marketing

Chairperson – Mr. Harry Seeram, Chairman, Trinidad and Tobago Agribusiness Association and Marketing Manager, Caribbean Chemicals Ltd., Trinidad and Tobago

- 13:30 – 13:50 **TAC_18: Invited paper:**
“Innovations in Post-Harvest Biology and Technology in the Tropics”
Dr. Majeed Mohammed, Prof. L.A. Wilson, and Dr. Wickham, The University of the West Indies, Trinidad and Tobago
- 13:50 – 14:10 **TAC_19: Invited paper:**
“Cold Preservation Technologies for Coconut Water”
Dr. Rosa S. Rolle, Food and Agriculture Organisation of the United Nations (FAO), Thailand
- 14:10 –14:20 Discussion
- 14:20 – 14:40 **TAC_20: Invited paper:**
“Overcoming Challenges to Marketing and Distribution in the Caribbean”
Vassel Stewart and Aaron Parke, Trinidad and Tobago Agribusiness Association, Trinidad and Tobago
- 14:40 – 15:00 **TAC_21: Invited paper**

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"A Generic Country Agricultural Implementation Plan with Proposals for Quick Response Commercial Enterprise Funding"

Basil Springer, Caribbean Business Enterprise Trust Inc. (CBET), Barbados

15:00 –15:20 TAC_22: **Invited paper:**

"CARICOM E-Marketplace for Agricultural Commodities and Services."

Dr. Alexander Nikov, The University of the West Indies, St. Augustine.

15:20 –15:30 Discussion

15:30–15:45 **COFFEE BREAK**

Session 6: Contributed papers

Session 6a: Crop Production and Post-production Technology

Chairperson – Prof. Richard Brathwaite, Senior Lecturer, The University of the West Indies, St. Augustine

Venue: Regency I & II

15:45 – 16:00

TAC_23: *"An Evaluation of the Fertility Status of Guyana Soils from Villages 52-74 in Region 6"*

Gomathinayagam, Subramnian and Chandratte Thakoorden, University of Guyana, Guyana

16:00 – 16:15

TAC_24: *"Greenhouse Technology is Once Again Washing the Caribbean. Can We Ride the Wave This Time Around?"*

St. Martin, Chaney C.G.¹, Wendy-Ann Isaac¹, Wayne Ganpat², Richard A.I. Brathwaite¹, Simon Bedasie², ¹The University of the West Indies, Trinidad and Tobago and ²Ministry of Agriculture, Land and Marine Resources, Trinidad and Tobago

16:15 – 16:30

TAC_25: *"Dwarfing Tall Golden Apple (Spondias cytherea Sonn.)"*

Andall, R.P., Caribbean Agricultural Research and Development Institute (CARDI), Grenada

16:30 – 16:45

TAC_26: *"Sustainable Exploitation of Forests in Trinidad Based on Population Genetic Diversity and Structure Gleaned from Five Tropical Species"*

Austin, N.A., P. Umaharan, M. Oatham and B.N. Cockburn, The University of the West Indies, Trinidad and Tobago

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- 16:45–17:00 TAC_27: *“Conservation and Utilisation of the Global Cacao Genetic Resource: The Value of the Trinidad Collections”*
Cryer, Nicholas¹, Penny Tricker¹, George Gibbings¹, Andrew Daymon¹, Jan Engels², Paul Hadley¹, Mike Wilkinson³, David Butler⁴. ¹The University of Reading, United Kingdom, ²Bioversity International, Italy; ³Aberystwyth University, United Kingdom and ⁴Cocoa Research Unit, The University of the West Indies, Trinidad and Tobago
- 17:00 – 17:15 TAC_28: *“Candidate Gene Primer Screening in Theobroma cacao L.”*
Motilal, Lambert A.¹, Pathmanathan Umaharan¹, Dapeng Zhang², Claudia Bellato², Lyndel Meinhardt² and Sue Mischke², ¹The University of the West Indies, Trinidad and Tobago and ²USDA-ARS, PSI, SPCL, USA
- 17:15–17:30 TAC_29: *“Breadfruit Germplasm Collection and Evaluation at the University of the West Indies”*
Roberts-Nkrumah, Laura, The University of the West Indies, Trinidad and Tobago
- 17:30 – 17:45 TAC_30: *“Production Potential of Coffee in Puerto Rico by Agro-Ecological Zoning”*
Schröder, Eduardo C., University of Puerto Rico, Puerto Rico
- 17:45 – 18:00 TAC_31: *“A Field-Based Approach to Screening for Nitrogen Fixation Ability in Dwarf Vegetable Pigeon Pea, Cajanus cajan (L.) Millsp.”*
Joseph-Alexander, Albertha, Pathmanathan Umaharan, Adesh Ramsubhag, Gregory Gouveia, The University of the West Indies, Trinidad and Tobago

Session 6b: International Trade Relations & Agro-tourism; Food Security and Food Safety; Livestock Production Technology

Chairperson – Dr. Lynda Wickham, Senior Lecturer, The University of the West Indies, St. Augustine

Venue: Topaz

- 15:45 – 16:00 TAC_32: *“CARICOM Relations to an Evolving North American Union – Will CARICOM be Excluded?”*
Appleton, Peter, Tillman School of Business, USA
- 16:00–16:15 TAC_33: *“Antigua and Barbuda Agriculture, Tourism and Agripreneurship Linkages– Promoting Sustainable Agri-Food Systems through Agrotourism”*

Joseph, Jeanelle¹, Doolarie Singh-Knights¹, Marlon Knights² and Dennis Smith³ ¹The University of the West Indies, Trinidad and Tobago, ²University of Trinidad and Tobago, Trinidad and Tobago and ³West Virginia University, USA

- 16:15 – 16:30 TAC_34: *“A Survey of Grounds-keeping Practices and Needs for Cricket Fields in Barbados: Towards a Sports-Tourism Initiative”*
Lopez, F.B. and L.E. Chinnery, The University of the West Indies, Barbados
- 16:30 – 16:45 TAC_35: *“Meeting the Challenges of Food Safety Standards for Cocoa Beans in Trinidad and Tobago”*
Chang Yen, Ivan,¹ Isaac Bekele,¹ Lawrence Wilson,¹ Gideon Ramtahal,¹ Alisha Hamid,¹ Jillian Roberts,¹ Frances Bekele,¹ Balmattee Sukha². ¹The University of the West Indies, Trinidad and Tobago and ²Ministry of Agriculture, Land and Marine Resources, Trinidad and Tobago
- 16:45–17:00 TAC_36: *“Agriculture and Food Security in the Eastern Caribbean Currency Union”*
Labadie, Beverley Peltier, Eastern Caribbean Central Bank, St. Kitts
- 17:00 – 17:15 TAC_37: *“Food Security – An Analysis of Estimated Marketing Margins of Selected Agricultural Commodities in Trinidad and Tobago”*
Patterson, Asisha¹, Doolarie, Singh-Knights¹, Marlon Knights² and Donald Palmer¹. ¹The University of the West Indies, Trinidad and Tobago and ²University of Trinidad and Tobago, Trinidad and Tobago
- 17:15–17:30 TAC_38: *“Food Security and the Information Paradigm Shift”*
Renwick, Shamin, Multimedia and Information Technology Unit, The University of the West Indies, Trinidad and Tobago
- 17:30 – 17:45 TAC_39: *“Establishing a Sustainable Regional Small Ruminants Industry: Beating the Odds”*
Gibson, N, A., Fearon and A. Hosein, Caribbean Agricultural Research and Development Institute (CARDI), Trinidad and Tobago and Jamaica
- 17:45 – 18:00 TAC_40: *“Recovering from the Trauma of Liberlization: The Jamaican Dairy Industry as Case Study”*
Jennings, P.G. Jamaica Dairy Development Board, Jamaica

Wednesday 03 December, 2008

8.00 – 8:30 am Registration

Subtheme 3 – Innovations in Agricultural Research, Education, Training and Outreach

Session 7: Education, Training and Outreach

Chairperson – Dr. Joseph Seepersad, Senior Lecturer, The University of the West Indies, Trinidad and Tobago

- 8:30 – 8:50 TAC_41: **Invited Paper:**
“Caribbean Extension and Outreach: Not a Question of if, but how?”
Dr. James, R. Lindner, Texas A&M University, Texas, USA
- 8:50 – 9:10 TAC_42: **Invited Paper:**
“The Challenge of Research and Extension for the Development of Agri-food Systems in the English Speaking Caribbean”
Dr. Keith Archibald, Former Chairman, CARDI Board of Directors, St. Kitts
- 9:10 – 9:20 Discussion
- 9:20 – 9:40 TAC_43: **Invited Paper:**
“The Role of GIS, GPS and Communication Technology in Extension”
Dr. Edwin Joseph, Grand Valley State University, Michigan, USA
- 9:40 – 10:00 TAC_44: **Invited Paper:**
“Farmers as Researchers: A Complimentary Participatory Methodology for Sustaining Research and Development in the Region
Dr. Wayne G Ganpat¹, Wendy-Ann P Isaac², and Richard A I Brathwaite², ¹Ministry of Agriculture, Land and Marine Resources, Trinidad and Tobago and ²The University of the west Indies, Trinidad and Tobago
- 10:00 – 10:20 TAC_45: **Invited Paper:**
“Caroni Initiative for Food Production”
Christine Sahadeo, The University of the West Indies, Trinidad and Tobago
- 10:20 – 10:30 Discussion/Coffee break

Session 8: Contributed papers

Session 8a: Crop Production and Post-production Technology

Chairperson – Dr. Gene Pollard, Lecturer, Department of Food Production, The University of the West Indies, St. Augustine

Venue: Regency I & II

- 10:30–10:45 TAC_46: *“Genetic Diversity and Genetic Structure of Capsicum chinense in the Caribbean and its Relationship to Populations in Central and South America”*
Moses, M. and P. Umaharan, The University of the West Indies, Trinidad and Tobago
- 10:45 – 11:00 TAC_47: *“Effect of Benzylaminopurine on Vasculature of Pigeonpea (Cajanus cajan) and the Possible Consequence on Potential Yield.”*
Narine, D. and G. F. Barclay, The University of the West Indies, Trinidad and Tobago
- 11:00 – 11:15 TAC_48: *“Bio-Intensive Integrated Management of Sugarcane White Grub in the Tropics”*
Patil, N.G. and P.V. Bhosale, Mahatma Phule Krishi Vidyapeeth Agriculture College, India
- 11:15 – 11:30 TAC_49: *“Effects of Agro-ecological Zones and Time of Planting on the Performance of Three Pineapple (Ananas comosus) cultivars Grown in Dominica.”*
Robin, Gregory C., Mervin St. Luce and Dorian Etienne, Caribbean Agricultural Research and Development Institute (CARDI), Dominica
- 11:30 – 11:45 TAC_50: *“Isolation of Polygalacturonase cDNA from Cajanus cajan (pigeonpea) Leaf Abscission Junctions”*
Rouse-Miller, Judy¹, ²Zinnia Gonzalez-Carranza, ³Katherine Elliot, Julian E. Duncan¹, Grace Sirju-Charran¹, Brian N. Cockburn¹ and ²Jeremy A. Roberts.
¹The University of the West Indies, Trinidad and Tobago, ²University of Nottingham, UK and ³Biotechnology and Biological Sciences Council (BBSRC), UK
- 11:45 – 12:00 TAC_51: *“The Quest for Increasing Tuber Yield in Sweet Potato (Ipomoea batatas (L) Lam.): Retrospect and Prospect.”*
Sirju-Charran, Grace, Lynda D. Wickham and Lawrence A. Wilson, The University of the West Indies, Trinidad and Tobago

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12:00 – 13:30 LUNCH

Session 8b: Livestock Production Technology

Chairperson – Dr. Reynold Stone, Senior Lecturer, The University of the West Indies, Trinidad and Tobago

Venue: Jade

- 10:30–10:45 TAC_52: *“A Market Assessment of the Demand of Goat’s Milk in Trinidad”*
Palmer, Donald¹, Doolarie, Singh-Knights¹, and Marlon Knights², ¹The University of the West Indies, Trinidad and Tobago and ² University of Trinidad and Tobago, Trinidad and Tobago
- 10:45 – 11:00 TAC_53: *“Caribbean Amblyomma Programme (CAP) Analysis, Evaluation And The Way Forward”*
Seepersad, Govind¹ and John Toussaint², ¹The University of the West Indies, Trinidad and Tobago and ²Food and Agriculture Organisation of the United Nations (FAO), Barbados
- 11:00 – 11:15 TAC_54: *The Performance of Improved Pekin And Mule Duck Strains Reared Under Intensive Conditions in a Humid Tropical Environment Trinidad”*
Lallo, Cicero H. O. and Shivanna Ramraj, The University of the West Indies, Trinidad and Tobago
- 11:15 – 11:30 TAC_55: *“Aquaponics: A Sustainable Production Technology for Income Generation and Enhancing Food Security”*
O’Brien, Colleen, M.S Tufts University, The Bahamas
- 11:30 – 11:45 TAC_56: *“History of Sugarcane Derived Feeds (SDFs)”*
Garcia, Gary Wayne¹, Floyd Neckles,² Harry Archemede³ and Alain Xande³, ¹The University of the West Indies, Trinidad and Tobago , ² Sugarcane Feeds Centre, Trinidad and Tobago and ³INRA, Guadeloupe
- 11:45 – 12:00 TAC_57: *“The Effect of Feeding Molasses-Ensiled Cassava and Sweet Potato on Performance and Carcass Quality of Growing – Finishing Pigs”*
Singh, Michele¹, Harry Ramlal² and Cicero H. O. Lallo¹, ¹The University of the West Indies, Trinidad and Tobago and ²Sugarcane Feeds Centre, Trinidad and Tobago

12:00 – 13:30 LUNCH

Session 9: Contributed papers

Session 9a: Crop Production and Post-production Technology

Chairperson – Dr. Jann Joseph, Dean, Grand Valley University, USA

Venue: Regency I & II

- 13:30 – 13:45 TAC_58: *“Understanding the Flavonoid Biosynthetic Pathway Towards Bioengineering Novel Colours in Anthurium andraeanum Hort.”*
Umaharan, P., Elibox, W., Avila-Rostant, O. and Lennon, A.M., The University of the West Indies, Trinidad and Tobago
- 13:45 – 14:00 TAC_59: *“Pathogenicity of Four Entomopathogenic Fungi to Aleurocanthus woglumi Ashby (Homoptera: Aleyrodidae)”*
Gangaram, Nipaul and Ayub Khan, The University of the West Indies, Trinidad and Tobago
- 14:00 – 14:15 TAC_60: *“Phylotyping and Rep-PCR Fingerprinting of Ralstonia Solanacearum Isolates collected from Trinidad”*
Lawrence, Dwayne¹, Adesh Ramsubhag¹, Pathmanathan Umaharan¹ and Emmanuel Wicker², ¹The University of the West Indies, Trinidad and Tobago and ²CIRAD, Reunion Island
- 14:15 – 14:30 TAC_61: *“Evaluation and determination of the genetic basis of copper resistance in Xanthomonas campestris pv. campestris in Trinidad”*
Lugo, Alshia¹, Jeff Jones², Pathmanathan Umaharan¹ and Adesh Ramsubhag¹. ¹The University of the West Indies, Trinidad and Tobago and ²University of Florida, USA
- 14:30 – 14:45 TAC_62: *“Effect on Temperature on Radial Growth and Pathogenicity of Metarhizium anisopliae And Verticillium lecanii to Toxoptera citricida”*
Mohammed, Ian and Ayub Khan, The University of the West Indies, Trinidad and Tobago
- 14:45 – 15:00 TAC_63: *“Determination of Non- Target Effects of Exotic Natural Enemies for the Control of the Hibiscus Mealybug, Maconellicoccus Hirsutus (Green) in Trinidad”*
Ram, Petal¹, Ayub Khan² and Lilory McComie¹, ¹ Ministry of Agriculture, Land and Marine Resources, Trinidad and Tobago and ²The University of the West Indies, Trinidad and Tobago
- 15:00 – 15:15 TAC_64: *“Host Specificity of Verticillium dahliae Isolates From Pumpkin”*

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Rampersad, Sephra, The University of the west Indies, Trinidad and Tobago

15:15 – 15:30 TAC_65: *“Yield and fruit quality of Lycopersicon esculentum Mill. as affected by Potato Yellow Mosaic Trinidad virus infection”*
Walker, Jermaine, Pathmanathan Umaharan, Majeed Mohammed and Richard Brathwaite, The University of the West Indies, Trinidad and Tobago

15:30 – 16:00 **COFFEE BREAK**

Session 9b: Research Institutions, Development and Intellectual Property; Farmer Training

Chairperson – Dr. Rosa Rolle, Agro-Industries Officer, Food and Agriculture Organisation,
Thailand

Venue: Jade

13:30 – 13:45 TAC_66: *“Understanding the Challenges to Developing Sustainable Agri-Food Systems Using a Common Property Based Experimental Model”*
Jaggasar-Clement, Patricia, The University of the West Indies, Trinidad and Tobago

13:45 – 14:00 TAC_67: *“New Initiatives in Agriculture at the University of the West Indies, Mona”*
Kahwa, Ishenkumba A., The University of the West Indies, Jamaica

14:00 – 14:15 TAC_68: *“An Analysis of the Biotechnology Training and Development Opportunities Present in Jamaica that are Relevant to Tropical Agriculture Especially for the Caribbean”*
Mitchell, Sylvia and M.H. Ahmad, The University of the West Indies, Jamaica

14:15 – 14:30 TAC_69: *“Protecting Intellectual Property Rights in the Agricultural Sector of Trinidad and Tobago”*
Renwick, Shamin, The University of the West Indies, Trinidad and Tobago

14:30–14:45 TAC_70: *“Schooling for Success: A Call to Leadership”*
Brathwaite, Candace, Trinidad and Tobago

14:45 – 15:00 TAC_71: *“Reviewing the Farmer Field School Experience in the Caribbean with Specific Reference to Trinidad and Tobago ”*
Dolly, David, The University of the West Indies, Trinidad and Tobago

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- 15:00 – 15:15 TAC_72: *“Towards a Model for Promoting Youth in Agriculture in the Caribbean”*
Ganpat, Wayne¹ and Nicole Webster². ¹Ministry of Agriculture, Land and Marine Resources, Trinidad and Tobago and ²Pennsylvania State University, USA
- 15:15 – 15:30 TAC_73: *“A swarm-optimisation-based approach for usability measurement and design of agriculture eCommerce systems”*
Alexander Nikov, Pathmanathan Umaharan, Koffka Khan, The University of the West Indies, Trinidad and Tobago
- 15:30 – 15:45 **COFFEE BREAK**

Session 10: Contributed papers

Session 10a: Crop Production and Post-production Technology

Chairpersons – Mr. Bruce Lauckner, Head, Strategic Alliances, Caribbean Agricultural Research and Development Institute (CARDI), Trinidad and Tobago

Venue: Regency I & II

- 16:00 – 16:15 TAC_74: *“Quality Changes and Capsaicin Stability in Three Hot Pepper Cultivars During Storage at Chilling and Non-Chilling Temperatures”*
Mohammed, M.¹, G. Hong² and M. Cantwell². ¹The University of the West Indies, Trinidad and Tobago and ²University of California, USA
- 16:15–16:30 TAC_75: *“The Challenges of Increasing Production and Marketing of Sweet Potato in the Caribbean Region”*
Titus, Pathleen and Janet Lawrence, Caribbean Agricultural Research and Development Institute (CARDI) St. Vincent and the Grenadines and Jamaica
- 16:30 – 16:45 TAC_76: *“Effects of Pectolase Enzyme on Physicochemical and Sensory Quality/Acceptance of Yellow Plum (Spondias pupurea var. lutea) Wine”*
Badrie, Neela and Rishi Singh. The University of the West Indies, Trinidad and Tobago
- 18:30 – 21:30 **BANQUET**