



**53rd ANNUAL MEETING CFCS
PROGRAM
July 16-22, 2017
Verdanza Hotel, Isla Verde, Puerto Rico**

“The Role of the Caribbean as a Research Hub to Advance Global Agriculture and Food Security”

Schedule	Participating professional organizations: CFCS, FES, CAEPNet, CACHE Sunday, July 16, 2017	Rooms
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4:00 PM - 6:00 PM	CFCS Board of Directors Meeting	Opera
4:00 PM - 7:00 PM	FES Board of Directors Meeting	Roof Top Terrace
5:00 PM - 7:00 PM	CAEPNet Executive Committee Meeting	Cadenza
7:00 PM - 9:00 PM	CFCS, FES, and CAEPNet Welcome Cocktail	Outside Gardens

Monday, July 17, 2017

**CFCS, FES, CAEPNet, and CACHE Opening Ceremony
Grand Ballroom
8:00 - 10:00 AM
(Master of Ceremony, Dr. Esbal Jiménez)**

Welcome Remarks

- Dr. Esbal Jiménez, President CFCS and Associate Dean and Deputy Director of the Agricultural Experiment Station, University of Puerto Rico, Mayagüez Campus, Puerto Rico
- Dr. Norma Samuel, Chair CAEPNet and Senior Extension Director, 4-H and Family Life, South Carolina State University, South Carolina, USA
- Dr. Wayne Ganpat, Chair CACHE and Dean of the Faculty of Food and Agriculture, University of the West Indies, St Augustine Campus, Trinidad and Tobago
- Dr. Rui-De Xue, President FES, Executive Director Anastasia Mosquito Control District and Adjunct Professor, University of Miami Miller School of Medicine, Miami, USA
- Honorable Luis Berdiel Rivera, President, Agricultural Commission, Puerto Rico Senate
- Honorable Yawo Nuyiadzi, Vice President of the Collectivité D'outre Mer De Saint Martin
- Dr. Wilfredo Colón, Chair and CEO, CFCS, and Vice Chancellor, Universidad Ana G. Méndez, Puerto Rico



Schedule	Monday, July 17, 2017	Rooms
10:00 - 10:30 AM	Keynote Speaker: Hon. Carlos Flores , Secretary of the Puerto Rico Department of Agriculture	Grand Ballroom
10:30 - 11:00 AM	Coffee Break	
11:00 - 12:00N	Keynote Speaker: Dr. Robert Vander Meer , Research Leader, USDA-ARS, Center for Medical, Agricultural, and Veterinary Entomology, Gainesville, Florida, USA. Florida Entomological Society Pioneer Lecture: William F. Buren, Ant Taxonomist Extraordinaire: from Ants of Iowa to the Invincible Fire Ant	Grand Ballroom
12:00 - 1:30 PM	CFCS and CAEPNet Lunch	Yees and Burger Bar
1:30 - 6:00 PM	CFCS , FES , and CAEPNet Technical Sessions	Grand Ballroom , Grand Opera , Cadenza
Schedule	Tuesday, July 18, 2017	Rooms
8:00 - 12:00 N	CFCS Roots and Tubers Symposium	Grand Ballroom
8:00 - 5:00 PM	FES Technical Sessions	Opera
8:30 - 4:00 PM	CACHE	Yees
12:00 - 1:30 PM	FES Student Lunch	Yees
12:00 - 1:30 PM	Lunch (On your own)	
1:30 - 6:00 PM	CFCS Technical Sessions	Grand Ballroom
1:00 - 3:00 PM	CAEPNet Creating Country Fora Workshop	Cadenza
3:00 - 5:00 PM	CAEPNet Business Meeting	Cadenza
7:00 - 9:00 PM	CFCS, FES, and CAEPNet Poster Session & Cocktail	Aria
Schedule	Wednesday, July 19, 2017	Rooms
8:00 - 12:00 N	CFCS Agroecology Symposium Agroecological Farming in the Caribbean: Myth or Reality (Moderator: Dr. Héctor Tavárez)	Grand Ballroom
8:00 - 9:00 AM	Keynote Speaker: Dr. Nilsa A. Bosque-Pérez , University Distinguished Professor, University of Idaho	Grand Ballroom
8:30 - 12:00 N	CACHE	Yees
12:00 - 1:30 PM	Lunch (on your own)	
1:30 - 6:00 PM	CFCS Technical Sessions	Grand Ballroom
7:30 - 11:30 PM	CFCS, CAEPNet, and CACHE Awards Dinner (with Tickets)	Grand Ballroom



Schedule	Thursday, July 20, 2017	Rooms
8:00 - 12:00 PM	Farmer's Forum (Moderator, Agro. Pedro Vivoni)	Grand Ballroom
12:00 - 1:30 PM	Lunch (on your own)	
1:30 - 3:30 PM	CFCS, USDA-NIFA SPECIAL WORKSHOP: INTRODUCTION TO THE FOOD SAFETY MODERNIZATION ACT (FSMA) - WHAT YOU SHOULD BE AWARE OF (Moderator, Isabel Walls)	Aria
3:30 - 5:00 PM	CFCS General Members Meeting	Grand Ballroom
6:30 - 6:30 PM	Friday, July 21, 2017	Lobby Hotel Verdanza

Field Trips: (Coordinators, Dr. Angela Linares and Dr. Alberto Beale)

1. Northwestern Region (Crops and Livestock): Puerto Rico Coffee Roasters; University of Puerto Rico, Agricultural Experiment Station in Isabela; University of Puerto Rico Finca La Montaña in Aguadilla.
2. Southern Region (Crops): Martex Farms; Miguel Santiago's Farm.

*CFCS, Caribbean Food Crops Society, <http://cfcs.eea.uprm.edu/>
 FES, Florida Entomological Society, <http://www.flaentsoc.org/>
 CAEPNet, Caribbean Agricultural Extension Provider's Network
 CACHE, Caribbean Council for Higher Education in Agriculture, <http://www.cache-caribbean.org/>

Host Institution: University of Puerto Rico, College of Agricultural Sciences, Mayagüez Campus
<http://www.uprm.edu/>





Local Organizing Committee

Esbal Jiménez, Ph.D.	CFCS President 2016-2017
Mireille Arguelles, Ph.D.	President Local Organizing Committee
Angela Linares, Ph.D.	Field Trip Organizer
Merari Feliciano, Ph.D.	Chair of Scientific Committee
Héctor Tavárez, Ph.D.	Organizer of the Agroecology Symposium
José P. Morales, Ph.D.	Director of International Programs
Fátima Ortiz	Office of International Programs
Lynette Feliciano, MBA	Registration and Payments
Madelyn Ríos, MBA	Registration and Payments
Pedro Vivoni	Organizer of the Farmer's Forum
Wilfredo Colón, Ph.D.	Chair and CEO of the CFCS
Alberto Beale, Ph.D.	Treasurer of the CFCS



Monday, July 17, 2017

1:30 - 6:00 PM

CFCS Technical Session 1

Grand Ballroom

CON INTERPRETACIÓN SIMULTÁNEA/WITH SIMULTANEOUS INTERPRETATION

TOPICS: SOIL NUTRITION, SOIL-WATER RELATIONS /TEMAS: NUTRICIÓN DEL SUELO, RELACIONES SUELO-AGUA

1:30 - 1:45

NUTRIENT MANAGEMENT IN THE CONTEXT OF SUSTAINABLE AGRICULTURE

David Sotomayor-Ramírez and Gustavo Martínez-Rodríguez, University of Puerto Rico.

1:45 - 2:00

NH₃ LOSS FROM ACID SOILS AS A CONSEQUENCE OF OVER-LIMING

Gregory Gouveia, Shedonna Richardson, and De Shorn Bramble, The University of the West Indies.

2:00 - 2:15

ROLE OF NITROGENOUS FERTILIZER ADDITION IN THE RELEASE OF CO₂ FROM AG-LIME APPLIED TO ACID SOILS

De Shorn Bramble, Gregory Gouveia, Richard Farrell, and Ravindra Ramnarine, The University of the West Indies.

2:15 - 2:30

GROWTH, YIELD ATTRIBUTES AND YIELD OF MACHINE TRANSPLANTED RICE AS INFLUENCED BY NITROGEN LEVELS AND SPLIT SCHEDULES

Ghansham Payman, P., Raghu Rami Reddy, A. Srinivas, S. Narendar Reddy, and A. Madhavi, Guyana Rice Development Board.

2:30 - 3:45

WATER AMBASSADOR PROGRAM II: FURTHERING THE UNDERSTANDING AND PROTECTION OF WATERSHEDS AND HYDROLOGY IN THE US VIRGIN ISLANDS

Christina Marie Chanes, David C. Morris, Avram Gerald Primack, and Calwyn Morton, University of the Virgin Islands.

2:45 - 3:00

AGRICULTURAL WATER MANAGEMENT AND PUERTO RICO'S FOOD INSECURITY

Eric W. Harmsen and Rhea Howard Harmsen, University of Puerto Rico.

3:00 - 3:30 Coffee Break



TOPICS: ANIMAL PRODUCTION, MILK AND BYPRODUCTS/ TEMAS: PRODUCCIÓN ANIMAL, LECHE Y SUBPRODUCTOS

3:30 - 3:45

EFFECTOS DE UN PROTOCOLO DE ALIMENTACIÓN DE CRECIMIENTO ACELERADO SOBRE LA GANANCIA EN PESO DE BECERRAS JERSEY BAJO CONDICIONES TROPICALES

Ninotchka Navedo-Guzmán, Claudia Ríos-Solís, Paola N. Marrero-Torres, Andrea P. Ramos-Ahmad, Alejandra P. Rodríguez-Asencio, Melissa Rodríguez-Alvarado, Ilka M. Lorenzo-Lorenzo, Jaime E. Curbelo-Rodríguez y Guillermo Ortiz-Colón, University of Puerto Rico at Mayagüez.

3:45 - 4:00

THE EFFECT OF EARLY POST HATCH FEEDING TIMES ON THE GROWTH AND FEED INTAKE OF MULE DUCKLINGS

Melissa A. Williams and Cicero H. O. Lallo, The University of The West Indies, St. Augustine Campus.

4:00 - 4:15

NEONATAL SURVIVAL IN SHEEP: CHALLENGES IN THE BAHAMAS

T. Sands, J.S. Sands, and, M.D. Singh, Caribbean Agricultural Research and Development Institute (CARDI).

4:15 - 4:30

LEARNER EXPERIENCE DESIGN OF NEO-TROPICAL ANIMALS-ORIENTED E-LEARNING SYSTEMS

Elizabeth N. Mc Lean-Tikasingh, Gary W. Garcia, and Alexander Nikov, The Open Tropical Forage-Animal Production Laboratory (OTF-APM), The Department of Food Production, Faculty of Food and Agriculture, The University of the West Indies.

4:30 - 4:45

ASOCIACIÓN ENTRE EL PERFIL DE PATÓGENOS MASTÍTICOS Y PRÁCTICAS DEL ORDEÑO EN HATOS LECHEROS CON ALTA Y BAJA CALIDAD DE LECHE EN PUERTO RICO.

Mónica X. Toledo Villafañe, Jaime E. Curbelo Rodríguez, Marcela Marrero Pérez, Luis Viera González, Enrique Martínez Loarte, Suzika Pagán Riestra, Angélica Alvarado Narvaez, Luis Rodríguez Rosado, Raúl Pérez Rodríguez y Aníbal Ruiz Lugo, Departamento de Ciencia Animal. Universidad de Puerto Rico, Servicio de Extensión Agrícola.

4:45 - 5:00

EFFECT OF A NITROGEN FERTILIZER ON THE CHEMICAL COMPOSITION OF TWO GRASS SPECIES GROWN AT THE ECI AF CAMPUS

Andell Edwards and Arel John, University of Trinidad and Tobago.



TOPICS:FOOD SAFETY, PROCESSING AND NUTRITION/ TEMAS: SEGURIDAD DE ALIMENTOS, PROCESAMIENTO Y NUTRICIÓN

5:00 - 5:15

THE EFFECTS OF USING DIFFERENT BRINING SOLUTIONS AND FLAVOUR ENHANCERS IN SMOKING ON THE SENSORY PERCEPTION OF SMOKED AND PULLED CHICKEN

Rohanie Maharaj, Dimple Singh-Ackbarali, and Michele Singh, Biosciences, Agriculture and Food Technologies (BAFT) Unit, Eastern Caribbean Institute of Agriculture and Forestry (ECIAF) Campus, University of Trinidad and Tobago, Piarco, Republic of Trinidad and Tobago, West Indies.

5:15 - 5:30

DETERMINACIÓN DE PRESENCIA DE ÁCIDOS GRASOS EN DIFERENTES PARTES DEL FRUTO Y EN FRUTO INTACTO DE AGUACATE EN MADUREZ DE CONSUMO CON ESPECTROSCOPIA DE INFRARROJO CERCANO (NIR)

Laura Vásquez Rojas, J. Pablo Morales-Payán, Rodolfo Romañach e Irma Cabrera, University of Puerto Rico.

5:30 - 5:45

EFFECTS OF ALCOHOLIC EXTRACTS OF SELECTED HERBS AND SPICES ON FOOD-BORNE PATHOGEN BIOFILMS

Kerressa Scott, Isabel Blackman, Neela Badrie, and Marsha Singh, The University of the West Indies, St. Augustine Campus.

5:45 - 6:00

CULTIVAR EFFECT ON BREADFRUIT (*Artocarpus altilis*) INSTRUMENTAL AND SENSORY COLOUR AND TEXTURE

Oral O. Daley, Laura B. Roberts-Nkrumah, and Angela T. Alleyne, The University of The West Indies, St. Augustine, Trinidad and Tobago. *Miguel and Aurora Lugo Caribbean Food Crops Society Student Scholar.*



Monday, July 17, 2017

1:30 - 5:00 PM

CAEPNet Extension Session

Cadenza

Moderator: Dr. Norma Samuel, Chair CAEPNet and Senior Extension Director

1:30 - 1:45

FARMERS' NEEDS AND EXTENSION READINESS TO RESPOND POST-DISASTER IN THE OECS

Wayne Ganpat, Tessa Barry, Amy Harder, and Nelsha Shillingford, The University of the West Indies.

1:45 - 2:00

ELABORATING STAKEHOLDER PERCEPTIONS ON WATERSHED MANAGEMENT ISSUES, AS A PRE-REQUISITE FOR COLLABORATION FOR SUSTAINABLE DEVELOPMENT

Jeanelle Joseph and Wayne Ganpat, The University of the West Indies, St Augustine Campus

2:00 - 2:15

THE ANATOMY OF A COMMUNICATION CAMPAIGN; HOW IMPACTFUL IS SOCIAL MEDIA

Wayne Ganpat, Nelsha Shillingford, and Tessa Barry, The University of the West Indies.

2:15 - 2:30

EXTENSION'S CONTRIBUTION TO RICE IMPROVEMENT IN GUYANA; ADOPTION OF THE SIX POINT'S TECHNOLOGY PACKAGE BY FARMERS

Kuldip Ragnauth and Wayne G Ganpat, Guyana Rice Development Board.

2:30 - 2:45

USE OF PLURALISTIC AGRICULTURAL EXTENSION SERVICE IN TRINIDAD AND TOBAGO

Jeet Ramjattan, Ataharul Chowdury, and Wayne Ganpat, University of the West Indies, St Augustine, Trinidad.

2:45 - 3:00

CHARACTERISING THE FAMILY FARM IN THE CARIBBEAN

David Dolly, Glenroy Ennis, and Anita Zavodska, Inter-American Institute for Cooperation in Agriculture and the University of the West Indies.

3:00 - 3:30 Coffee Break



3:30 - 3:45

HOW TO ASSESS INTERACTION OF AGRI-FOOD STAKEHOLDERS IN SOCIAL MEDIA?

Ataharul Chowdhury, Wayne Ganpat, Helen Hambly Odame, and Jeet Ramjattan, University of the West Indies.

3:45 - 4:00

CHARACTERIZING FARMERS BASED ON THEIR WILLINGNESS TO PAY FOR AGRICULTURAL EXTENSION SERVICES IN TRINIDAD

Asisha Patterson and Wayne Ganpat, The University of the West Indies.

4:00 - 4:15

WHYFARM (WE HELP YOU-TH FARM)

Alpha Sennon, Founder and Executive Director, WHYFARM.

4:15 - 5:00

Open discussion

Tuesday, July 18, 2017

8:00 AM - 12:00 N

CFCS Root and Tuber Symposium

Grand Ballroom

MODERADOR/MODERATOR: PROF. AGENOL GONZÁLEZ

CON INTERPRETACIÓN SIMULTÁNEA/WITH SIMULTANEOUS INTERPRETATION

8:00 - 8:15

Welcome remarks: Dr. Merari Feliciano-Rivera, University of Puerto Rico, Mayagüez Campus

8:15 - 9:00

Keynote Speaker: Prof. Mildred Cortés, Department of Agricultural Economics and Rural Sociology, University of Puerto Rico, Río Piedras, PR

9:00 - 9:15

CONTROL METHODS FOR "CORM-ROT DISEASE" IN APIO (*Arracacia xanthorrhiza* BANCROFT) IN PUERTO RICO

Mayra Cathme, Martha C. Giraldo, José A. Chavarría-Carvajal, Raúl Macchiavelli, and Agenol González-Vélez, Department of Agro-Environmental Sciences, Mayagüez Campus, University of Puerto Rico.



9:15 - 9:30

RESILIENCE OF *Colletotrichum gloesporioides* STRAINS INFECTING WATER YAMS TO DRY PERIOD AND ELEVATED TEMPERATURE STRESSES.

Guyader Sébastien, Salles Michèle, Lombard Corinne, and Bussiere François, ASTRO Agrosystèmes tropicaux, INRA, Petit-Bourg (Guadeloupe), France.

9:30 - 9:45

DETECTION AND MANAGEMENT OF *Penicillium* SPECIES CAUSING INTERNAL DRY ROT OF YAM (*Dioscorea rotundata*)

Casiani Soto-Ramos, Merari Feliciano-Rivera, and Jesús M. Cardona, Department of Agro-Environmental Sciences, University of Puerto Rico, Mayagüez Campus.

9:45 - 10:00

EVALUATION OF MEDIA FORMULATIONS FOR IN VITRO SWEETPOTATO

Thomas W. Zimmerman, University of the Virgin Islands Agricultural Experiment Station, VI.

10:00 - 10:15

USING SCARIFICATION TO ENHANCE SEED GERMINATION RATE IN SWEETPOTATO

Shamoy Bideau and Thomas W. Zimmerman, University of the Virgin Islands Agricultural Experiment Station, VI.

10:15 - 10:30

ASSESSMENT OF VARIETAL PERFORMANCE OF CASSAVA ON SMALL PLOTS IN GRENADA AND GUYANA (2014-2015)

Joan Petersen, Reginald Andall, Francis Asiedu, Dionne Clarke-Harris, Oudho Homenauth, and Vyjayanthi López, Caribbean Agricultural Research and Development Institute (CARDI), Trinidad and Tobago.

10:30 - 11:00 Coffee Break

11:00 - 11:15

ASSESSMENT OF CASSAVA PRODUCTION ON MEDIUM TO LARGE PLOTS IN GUYANA AND JAMAICA (2015-2016)

Joan Petersen, Dionne Clarke-Harris, Francis Asiedu, Morris Taylor, Oudho Homenauth, and Vyjayanthi López. Caribbean Agricultural Research and Development Institute (CARDI), Trinidad and Tobago.

11:15 - 12:00 N Conclusions and final remarks



Tuesday, July 18, 2017

1:30 - 5:45 PM

CFCS Technical Session 2

Grand Ballroom

CON INTERPRETACIÓN SIMULTÁNEA/WITH SIMULTANEOUS INTERPRETATION

TOPICS: CROP PROTECTION, CROPPING AND PRODUCTION SYSTEMS AND PLANT PHYSIOLOGY/TEMAS: PROTECCIÓN DE CULTIVOS, CULTIVO Y SISTEMAS DE PRODUCCIÓN Y FIOLOGÍA DE PLANTAS

1:30 - 1:45

DISEASE SEVERITY OF HUANGLONGBING AND *Candidatus Liberibacter asiaticus* TITER IN GENOTYPES OF *Citrus reticulata* AT ISABELA PUERTO RICO

Diana Intriago Mendoza, Consuelo Estévez de Jensen, Carlos Rodríguez Minguela, Ricardo Goenaga, and Jorge Fuentes, Department of Agro-Environmental Sciences, University of Puerto Rico, Mayagüez Campus.

1:45 - 2:00

OCURRENCIA DEL VIRUS DEL BRONCEADO DE TOMATE (TSWV) EN *Capsicum annuum* BAJO AMBIENTE PROTEGIDO EN JARABACOA, REPÚBLICA DOMINICANA

Rosalba Rodríguez y Reina T. Martínez, Universidad Autónoma de Santo Domingo-UASD-FCAV.

2:00 - 2:15

FACTORES DE RIESGO ASOCIADO A LA VÍA DE INTRODUCCIÓN DE *Fusarium oxysporum* F. SP. *cubense* RAZA 4 TROPICAL (FOCR4T)

Dionicia Abreu, Rosalba Rodríguez, Concepción Sanchez y Katia Espinosa, Analistas de Riesgo de Plagas, Ministerio de Agricultura de la República Dominicana.

2:15 - 2:30

EFFICACY OF FUNGICIDES FOR CONTROL OF STEMPHYLIUM LEAF SPOT OF SPINACH

Christian F. Miller, German Sandoya, and Richard Raid, University of Florida, Everglades Research and Education Center, Belle Glade, FL.

2:30 - 2:45

SURFACTANTS- DO THEY IMPROVE THE EFFICACY OF INSECTICIDES TO MANAGE MELON THRIPS AND TCSV IN COMMERCIAL TOMATO PLANTS?

Rafia. A. Khan, Dakshina R. Seal, S. Zhang, and E. Evans, Tropical Research and Education Center, UF, O. Liburd, Department of Entomology and Nematology, UF, and R. Shrinivasan, UGA, Tifton, GA.



2:45 - 3:00

EFFICACY OF KAOLIN AS BIO-PESTICIDE IN SURINAME UNDER FIELD AND GREENHOUSE CONDITIONS

Jamillah Salarbaks and Lydia Ori, Anton de Kom University of Suriname.

3:00 - 3:30 Coffee Break

3:30 - 3:45

POPULATION FLUCTUATION OF *Helicoverpa zea* (BODDIE) AND *Helicoverpa armigera* (HÜBNER) (LEPIDOPTERA: NOCTUIDAE) IN PUERTO RICO

Darío Trujillo and José Carlos Verle Rodrigues, University of Puerto Rico.

3:45 - 4:00

FUNCTIONAL DIVERSITY AND ITS ASSOCIATION WITH ENDOSYMBIONT ABUNDANCE IN TETRANYCHOIDEA MITES

Oscar E. Ospina and José Carlos Verle Rodrigues, Center for Excellence in Quarantine & Invasive Species, UPR-Mayagüez.

4:00 - 4:15

CLIMATE CHANGE AND ITS EFFECT ON BIOLOGY OF MELON THRIPS, *Thrips palmi* KARNY, AND COMMON BLOSSOM THRIPS, *Frankliniella schultzei* TRYBOM, (THYSANOPTERA: THIRIPIDAE)

Dakshina R. Seal, O. E. Liburd, R. A. Khan, Q. Wang, and E.A. Evans, University of Florida-IFAS, Tropical Research and Education Center, Homestead, FL 33031.

4:15 - 4:30

DEVELOPMENT OF AN IMPROVED INTEGRATED APPROACH FOR MANAGING THRIPS (THYSANOPTERA: THIRIPIDAE) AND TOMATO CHLOROTIC SPOT VIRUS (TCSV) IN TOMATO FIELDS: 1. CHEMICAL CONTROL

Rafia A. Khan, D. R. Seal, S. Zhang, and E. Evans, Tropical Research and Education Center, UF, O. Liburd, Department of Entomology and Nematology, UF, and R. Shrinivasan, UGA, Tifton, GA.

4:30 - 4:45

GREENHOUSE EVALUATION OF COCONUT COIR AS GROWING MEDIUM IN A DUTCH BUCKET SYSTEM

Puran Bridgemohan, Arjune Ramoutar, Shahinaz Mohammed, and Daniel Narinesingh, University of Trinidad and Tobago.

4:45 - 5:00

WATER USE EFFICIENCY IN CAULIFLOWER USING OF MICRO-IRRIGATION AND FUZZY LOGIC TECHNIQUES

Puran Bridgemohan, Nadine Sangster, and Geeta Debysingh, University of Trinidad and Tobago.



5:00 - 5:15

STUDIES OF PHYTOCHEMICALS, HEAVY METALS AND N.P.K. IN CRUDE LEAF EXTRACT OF *Achyranthes aspera* L.

Gomathinayagam Subramanain, Brij B.Tewari, and G.Rekha, University of Guyana, Berbice Campus.

5:15 - 5:30

PITAYA FLORAL DEVELOPMENT IN THE VIRGIN ISLANDS

Samuel Joseph and Thomas W. Zimmerman, University of the Virgin Islands Agricultural Experiment Station.

5:30 - 5:45

PERFORMANCE OF BANANAS AFTER HURRICANE MATTHEW IN NORTH ANDROS, BAHAMAS; CLIMATE SMART AGRICULTURE

R. Parker, M. Hopkins, C. Fernandez, and M. D. Singh, Caribbean Agricultural Research and Development Institute (CARDI).

Wednesday, July 19, 2017

CFCS Agroecology Symposium

Agroecological Farming in the Caribbean: Myth or Reality

8:00 - 12:30 PM

Agroecology Symposium

Grand Ballroom

CON INTERPRETACIÓN SIMULTÁNEA/WITH SIMULTANEOUS INTERPRETATION

8:00 - 8:15

Welcome Remarks: Dr. Héctor Tavárez, University of Puerto Rico, Río Piedras, PR

8:15 - 9:00

Desarrollo de líderes/académicos en agroecología en el Caribe a través de programas interdisciplinarios

Development of academic leaders in agroecology in the Caribbean through interdisciplinary programs

Keynote Speaker: Dr. Nilsa A. Bosque-Pérez, University Distinguished Professor, University of Idaho.

9:00 - 9:30

Open discussion



9:30 - 9:45

ASSESSMENT OF TRANSITION TOWARD CLIMATE-SMART AGRICULTURE IN GUADELOUPE

Stan Selbonne and Jean-Marc Blazy, Institut National de Recherche Agronomique (INRA).

9:45 - 10:00

ADDRESSING THE NEED FOR INTERDISCIPLINARY AND INTERNATIONAL RESEARCH TRAINING IN GLOBAL AGROECOSYSTEMS AT THE UNIVERSITY OF FLORIDA

Diane L. Rowland and Romain M. Gloaguen, University of Florida.

10:00 - 10:15

POPULATION DISTRIBUTION, PHENOLOGY, AND PROPAGATION OF *Buxus vahlii* AND *Catesbaea melanocarpa*; TWO FEDERALLY ENDANGERED NATIVE TREES

Michael Morgan and Thomas W. Zimmerman. University of Virgin Islands Agricultural Experiment Station.

10:15 - 10:30

SURVEY OF NATIVE BIOLOGICAL CONTROL AGENTS AGAINST THE COFFEE BERRY BORER *Hypothenemus hampei*

José M. García Peña and José C. Verle Rodrigues. Department of Biology, UPR-Río Piedras, Center for Excellence in Quarantine & Invasive Species, Agricultural Experimental Station-Río Piedras.

10:30 - 11:00 Coffee Break

11:00 - 11:15

SARGASSUM SEAWEED MULCH EFFECTS IN POTTED TOMATO PLANTS

Kaeiron Saunders and Francis López. The University of the West Indies, Cave Hill Campus, Barbados.

11:15 - 11:30

NATURAL MULCHES AND THEIR POTENTIAL NITRIFICATION INHIBITOR EFFECTS

Andrea K. Veira and Francis B. López. The University of the West Indies, Cave Hill Campus, Barbados.

11:30 - 11:45

FLUCTUACIÓN POBLACIONAL DE LA PALOMILLA DEL REPOLLO, *Plutella xylostella* (L.) (LEPIDOPTERA: PLUTELLIDAE), Y SU PARASITOIDE *Diadegma insulare* CRESSON (HYMENOPTERA: ICHNEUMONIDAE) BAJO LA INFLUENCIA DE TRATAMIENTOS COMERCIALES Y SELECTIVOS

Laura D. López F., Manuel de Jesús Sosa A. y Colmar Serra. Diversificación Agrícola, Universidad Nacional Pedro Henríquez Ureña; Instituto Dominicano de Investigaciones Agropecuarias y Forestales.



11:45 - 12:00 N

EFFECTS OF PESTICIDES ON SELECTED SOIL BACTERIA IN POT EXPERIMENTS ON RICE (*Oryza sativa* VAR. G98-135) USING SOIL COLLECTED FROM RICE FIELDS (MAHAICA)

Munesh Chowbay, Sirpaul Jaikishun, and Abdullah A. Ansari. Department of Biology, University of Guyana, Georgetown, Guyana.

12:00 - 12:15

IMPROVING SOCIAL-ECOLOGICAL RESILIENCE TO CLIMATE CHANGE THROUGH SILVICULTURE IN PUERTO RICO'S NOVEL FORESTS

Oscar J. Abelleira Martínez, University of Puerto Rico, Mayagüez Campus.

12:15 - 12:30

NEW BACHELOR'S DEGREE IN SUSTAINABLE AGRICULTURE AT THE UNIVERSITY OF PUERTO RICO-UTUADO

Olgaly Ramos, Mariangie Ramos, Marisol Dávila, Freddie Pérez, Carlos Semidei, Andre Sanfiorenzo, and Eladio González. University of Puerto Rico, Utuado Campus.

Wednesday, July 19, 2017

1:30 - 5:30 PM

CFCS Technical Session 3

Grand Ballroom

CON INTERPRETACIÓN SIMULTÁNEA/WITH SIMULTANEOUS INTERPRETATION

TOPICS: AGRICULTURAL EDUCATION, AGRICULTURAL ECONOMICS, EXTENSION AND COMMUNITY DEVELOPMENT/TEMAS: EDUCACIÓN AGRÍCOLA, EXTENSIÓN Y DESARROLLO COMUNITARIO

1:30 - 1:45

PROMOTING COMMUNITY SUPPORTED AGRICULTURE (CSA) TO ENSURE LOCAL SUSTAINABLE FOOD PRODUCTION SYSTEMS

Henry R. Ori, Anton de Kom University of Suriname.

1:45 - 2:00

THE IMPACT OF SKILLS TRAINING ON THE PERFORMANCE OF MICRO AND SMALL ENTERPRISES SERVICED BY THE SMALL BUSINESS BUREAU IN GUYANA: A CASE STUDY OF THE AGRICULTURAL TRAINING PROVIDED BY THE CRITCHLOW LABOUR COLLEGE



Bissasar Chintamanie and Audrey Gomes, Critchlow Labour College, Wolford Avenue, Georgetown, Guyana.

2:00 - 2:15

GROWING AGRICULTURE IN THE BAHAMAS THROUGH REGIONAL PARTNERSHIPS - THE CARDI ROLE

M. D. Singh, G. Eneas, and B. Clarke, Caribbean Agricultural Research and Development Institute (CARDI).

2:15 - 2:30

PROSPECTS AND CHALLENGES FOR VEGETABLE PRODUCTION IN SOUTH FLORIDA

Qingren Wang and Dakshina Seal, UF/IFAS Miami-Dade Extension and UF/IFAS Tropical Research and Education Center.

2:30 - 2:45

CARACTERIZACIÓN DE CAMBIOS EN LA ESTRUCTURA DE PRODUCCIÓN Y MERCADO DE CAFÉ EN PUERTO RICO

Carmen Álamo, Carlos Flores, Miguel Monroig y Wigmar González, University of Puerto Rico, Mayagüez Campus.

2:45 - 3:00

THE CONCEPTUALIZATION OF A BROILER DUCK CONTRACT FARMING PROTOCOL FOR TRINIDAD AND TOBAGO

Elizabeth N. Mc Lean-Tikasingsh, Gary W. Garcia, and Cicero H.O. Lallo, The Open Tropical Forage-Animal Production Laboratory (OTF-APM), The Department of Food Production, Faculty of Food and Agriculture, The University of the West Indies.

3:00 - 3:30 Coffee Break

3:30 - 3:45

THE INFLUENCE OF ICT ON SUSTAINABLE AGRICULTURE IN SURINAME: THE CASE OF DISTRICT WANICA

Dinesh Mohan, Lydia Ori, Ranoë Mangal, and Henry Ori, Anton de Kom University of Suriname.

3:45 - 4:00

ROLE OF VETERANS AND BEGINNING FARMERS IN AGRICULTURE AND FOOD SECURITY

Mahadev G. Bhat, Nina Jungman, and Krish Jayachandran, Florida International University.



4:00 - 4:15

THE ROLE OF THE WORKING CLASS IS ADDRESSING CLIMATE CHANGE AND FOOD SECURITY: THE ROLE OF THE GTUC IN THE GREEN ECONOMY- GUYANA'S PERSPECTIVES

Bissasar Chintamanie and Lincoln Lewis, Critchlow Labour College, Wolford Avenue, Thomas Lands, Georgetown, Guyana.

TOPICS: AGRICULTURAL BIOTECHNOLOGY AND PLANT BREEDING/TEMAS:BIOTECNOLOGÍA AGRÍCOLA Y MEJORAMIENTO DE PLANTAS

4:15 - 4:30

RICE BREEDING IN GUYANA: CURRENT STATUS, FUTURE PROSPECTS

Mahendra. Persaud, D. Mc Gowan, V. Henry, J. Persaud, S. Abel, R. Persaud, G. Payman V. Baharally, and N. Singh, Guyana Rice Development Board, Rice Research Station, Burma, Guyana.

4:30 - 4:45

COMPORTAMIENTO DE HÍBRIDOS DE MAÍZ (*Zea mays* L.), BAJO LAS CONDICIONES AGROCLIMÁTICAS DEL VALLE DE SAN JUAN, REPÚBLICA DOMINICANA

Juan Ramón Cedano, Víctor Manuel Landa y José Richard Ortiz, Instituto Dominicano de Investigaciones Agropecuarias y Forestales (IDIAF).

4:45 - 5:00

EVALUATION OF 21 CUCUMBER CULTIVARS FOR DOWNY MILDEW RESISTANCE IN THE VIRGIN ISLANDS

Augustus Laurencin Jr., Stafford M.A. Crossman, Vanessa Forbes, Carlos Montilla, and Thomas W. Zimmerman, University of the Virgin Islands Cooperative Extension Service and Agricultural Experiment Station.

5:00 - 5:15

THE USE OF MEDICINAL PLANTS IN MEDICAL BIOTECHNOLOGY TO COMBAT CLIMATE CHANGE IN GUYANA: TOWARDS SETTING UP OF GERMLASM AND TESTING FACILITY: UNLOCKING GUYANA'S POTENTIAL

Bissasar Chintamanie and Rudy Small, Critchlow Labour College, Wolford Avenue, Thomas Lands, Georgetown, Guyana.

5:15 - 5:30

OVERVIEW OF FOOD SAFETY PROGRAMS AT THE US DEPARTMENT OF AGRICULTURE NATIONAL INSTITUTE OF FOOD AND AGRICULTURE

Isabel Walls, US Department of Agriculture National Institute of Food and Agriculture.



Thursday, July 20, 2017

**Farmer's Forum, Grand Ballroom
(Moderator, Agro. Pedro Vivoni)**

8:00 - 8:15 AM	Agro. Pedro Vivoni, Action and Agricultural Reform, Inc. Introduction to the Current Food and Agricultural Situation in Puerto Rico
8:15 - 8:30 AM	Agro. Héctor I. Cordero, Puerto Rico Farmer's Association. Current Situation of the Dairy Industry in Puerto Rico
8:30 - 8:45 AM	Agro. Pablo Jiménez, College of Agronomists of Puerto Rico Current Legislation that Impact the Food and Agricultural Sector of Puerto Rico
8:45 - 9:00 AM	Agricultural Biotechnology Industry: Ms. Beatriz Carrión, Puerto Rico Agricultural Biotechnology Industry Association (PRABIA)
9:00 - 9:15 AM	Mr. Luis Curbelo, Production and Marketing of Puerto Rican Quality Coffee
9:15 - 9:30 AM	Coffee Cluster: Mr. German Negrón, Puerto Rico Coffee Roasters
9:30 - 10:00 AM	Dr. René Soto, President, Puerto Rico Farmers and Growers New Agroindustrial Economic Development Initiatives
10:00 - 10:30 AM	Coffee Break
10:30 - 10:45 AM	Ornamental Cluster: Agro. Héctor Santiago, Cali Nursery
10:45 - 11:00 AM	Vegetable Cluster: Mr. Carlos González, González Farms
11:00 - 11:15 AM	Tropical Fruits Cluster: Agro. Peter Hernández, Martex Farms
11:15 - 11:30 AM	Plantain Cluster: Agro Reinaldo Feliciano
11:30 - 12:00 PM	Mr. Ángel Santiago, Executive Vice President, Caribbean Produce Exchange, Inc. Alliances From the Farm to the Table.
12:00 - 1:30 PM	Lunch (on your own)



1:30 - 3:30 PM	CFCS, USDA-NIFA SPECIAL WORKSHOP: INTRODUCTION TO THE FOOD SAFETY MODERNIZATION ACT (FSMA) - WHAT YOU SHOULD BE AWARE OF (Moderator, Isabel Walls)
1:00 - 1:15 PM	Welcome and Introductions, Isabel Walls
1:15 - 1:40 PM	Overview of FSMA – Divya Jaroni What is the new law? Why is it historic? Laws vs. regulations. How rules are developed. Expected inspection, compliance and response. What are the proposed regulations and who needs to pay attention to each one? Definitions of small and very small operations. Cover preventive control for animal food rule, third party accreditation rule and sanitary transport rules briefly.
1:40 - 2:15 PM	Introduction to the Produce Safety Rule – Kristin Woods Who and what is covered? What standards are being established? In depth on water and manure proposals. Recordkeeping, compliance dates. Intro to PSA standardized curricula and workshop
2:15 - 2:50 PM	Introduction to the Preventive Controls for Human Foods Rule – Matt Taylor Who and what is covered? Definition of a “Food Facility”, primary, and secondary activities farms. What standards are being established? In depth on differences between HACCP and PCHF? Recordkeeping, compliance dates. Intro to FSPCA PCQI standardized curricula and workshop
2:50 - 3:10 PM	Coffee Break
3:10 - 3:40 PM	Introduction to Foreign Supplier Verification Program – Michelle Danyluk Who and what are covered by the FSVP? What expectation will an importer have of his suppliers? What needs to go into this? Introduction to the FSVP standardized curricula and workshop.
3:40 - 4:00 PM	Introduction to the Produce Safety Network – Trevor Gilbert and Diane Ducharme Who and what are the PSN? How can it help me?
4:00 - 4:30 PM	FSMA in Puerto Rico: Food Industry Perspectives and Challenges – Damarys Del Castillo Overview the industry perspective on FSMA, challenges and opportunities



4:30 - 5:00 PM	Questions and Discussion CFCS General Members Meeting
3:30 - 5:00 PM	CFCS Member's Meeting

POSTER SESSION

Tuesday, July 18, 2017

7:00 PM

TOPICS: SOIL NUTRITION, SOIL-WATER RELATIONS /TEMAS: NUTRICIÓN DEL SUELO, RELACIONES SUELO-AGUA

P1: FITORREMEDIACIÓN DE LIXIVIADOS, CONTROL DE EROSIÓN Y ESTABILIZACIÓN DE TALUDES CON VETIVER (*Chrysopogon zizanioides* L.) EN FAJARDO, PUERTO RICO

Eric E. Rivera Santiago and Luis Pérez Alegría, Universidad de Puerto Rico, Recinto de Mayagüez.

P2: RICE (*Oryza sativa*) YIELD RESPONSE TO FERTILIZER-N IN SOILS OF THE LAJAS VALLEY

Juan G. Rodríguez-Monsecur, David Sotomayor-Ramírez, Lucas Avilés, and Anthony Rivera, University of Puerto Rico.

P3: NITROGEN FERTILIZER AND COWPEA (*Vigna unguiculata*) COVER-CROP ROTATION EFFECTS ON INBRED MAIZE (*Zea mays* L.) YIELD IN GUAYAMA PUERTO RICO

Ada L. Vilches-Ortega, David Sotomayor-Ramírez, and Ricardo Barnes, University of Puerto Rico.

P4: EFECTO DE MEZCLAS DE CULTIVOS DE COBERTURA SOBRE PARÁMETROS DE CALIDAD DE SUELOS DE UN OXISOL

Annelisse Ramos Pérez¹, Julia M. O'Hallorans, Miguel A. Muñoz y Elide Valencia, Universidad de Puerto Rico. *Miguel and Aurora Lugo Caribbean Food Crops Society Student Scholar.*

P5: METABOLISMO BÉNTICO EN SEDIMENTOS DE DRENAJES EN LA CUENCA DEL VALLE DE LAJAS, PUERTO RICO

Paloma Rodríguez, David Sotomayor Ramírez, Gustavo Martínez y Carlos Santos, Universidad de Puerto Rico.



TOPICS: ANIMAL PRODUCTION, MILK AND BYPRODUCTS/ TEMAS: PRODUCCIÓN ANIMAL, LECHE Y SUBPRODUCTOS

P6: A COMPARATIVE LOOK INTO MILK CHEMICAL COMPOSITION, DRAMANSKI SCORE AND MILK YIELD OF DAIRY CATTLE AND WATER BUFFALOS IN MID LACTATION

Andell Edwards and Louis Farrel, University of Trinidad and Tobago.

P7: EVALUATION OF A SUPPLEMENTATION WITH FERMENTATION PRODUCTS AND DIGESTIVE ENZYMES IN THE WEIGHT GAIN OF JERSEY AND HOLSTEIN CALVES UNDER TROPICAL CONDITION

Melissa Vaz-Ramírez, Jaime E. Curbelo-Rodríguez, and Guillermo Ortiz-Colón, Universidad de Puerto Rico.

P8: SURVEY OF CALF MANAGEMENT AND BIOSECURITY PRACTICES IN NORTH, NORTHWESTERN AND WESTERN PUERTO RICAN DAIRY FARMS

Mónica Colón, Luis C. Solórzano, and Abner Rodríguez, University of Puerto Rico.

P9: SURVEY OF GENERAL MANAGEMENT OF DAIRY FARMS IN NORTH, NORTHWESTERN AND WESTERN PUERTO RICO

Mónica Colón, Luis C. Solórzano, and Abner Rodríguez, University of Puerto Rico.

P10: USO DE LA OPUNTIA COMO ALTERNATIVA FORRAJERA PARA MITIGAR LOS EFECTOS PROVOCADOS POR EL CAMBIO CLIMÁTICO EN LOS SISTEMAS DE PRODUCCIÓN GANADERA DE LA REPÚBLICA DOMINICANA

Víctor José Asencio Cuello, Gregorio García Lagombra, Joaquín Caridad del Rosario y Manuel Atilés Peguero Mateo, Instituto Dominicano de Investigaciones Agropecuarias y Forestales (IDIAF).

P11: COMPARISON OF MILK YIELDS OF TWO HOLSTEIN COWS OVER FIVE LACTATIONS UNDER A SEMI INTENSIVE MANAGEMENT SYSTEM- A CASE STUDY

Angelisah Khan, Aphzal Mohammed, and Puran Bridgemohan, The University of Trinidad and Tobago.

TOPICS: FOOD SAFETY, PROCESSING AND NUTRITION/ TEMAS: SEGURIDAD DE ALIMENTOS, PROCESAMIENTO Y NUTRICIÓN

P12: COMPARISON OF EXTRACTION METHODS FOR MORINGA OIL

Puran Bridgemohan and Amirah Khan, University of Trinidad and Tobago.

P13: IMPROVING POST PROCESSING QUALITY OF PEPPER MASH



Vashael Dadbahal and Puran Bridgemohan, University of Trinidad and Tobago.

P14: ASSESSING THE EFFECTIVENESS OF SANITIZER SPRAY AND ROLLER TREATMENT ON REDUCING THE POPULATION OF A FIVE-STRAIN SALMONELLA COCKTAIL ON MANGO SURFACES

Xinyue Wang and Michelle D. Danyluk, Citrus Research and Education Center, University of Florida.

TOPICS: CROP PROTECTION, CROPPING AND PRODUCTION SYSTEMS AND PLANT PHYSIOLOGY/ TEMAS: PROTECCIÓN DE CULTIVOS, CULTIVO Y SISTEMAS DE PRODUCCIÓN Y FIOSIOLOGÍA DE PLANTAS

P15: PRODUCCIÓN DE SEMILLA E INFLUENCIA DE TEMPERATURA SOBRE EL VALOR NUTRICIONAL DE LA SEMILLA DE SOYA FORRAJERA [*Glycine max* (L.) MERR.]

Diana Álvarez Vargas, Elide Valencia, Marií L. Plaza y Suzika Pagán Riestra, Universidad de Puerto Rico.

Miguel and Aurora Lugo Caribbean Food Crops Society Student Scholar.

P16: CONTAINER VOLUME LIMITS CITRUS LINER HEIGHT AND DIAMETER

Dania Rivera Ocasio, University of Puerto Rico.

P17: EVALUACIÓN DE LA CHINA VALENCIA CAMPBELL (*Citrus x aurantium* cv.) INJERTADO EN TRES DIFERENTES PATRONES EN UN OXISOL EN PUERTO RICO

Doris M. Laguer Martínez, Rebecca Tirado-Corbalá, Alejandro Segarra-Carmona, Consuelo Estéves de Jensen y Dania Rivera-Ocasio, Universidad de Puerto Rico.

P18: MANAGEMENT TOOLS FOR BACTERIAL DISEASE IN ORNAMENTAL PLANTS

Georgina Sanahuja Solsona, Michelle Samuel-Foo, and Edward Evans, University of Florida.

P19: FLORIDA COOPERATIVE AGRICULTURAL PEST SURVEY

Eric LeVeen and Leroy Whilby, FDACS-Plant Industry.

P20: MANAGEMENT OF TROPICAL SUBTROPICAL GENETIC RESOURCES AT THE TROPICAL AGRICULTURE RESEARCH STATION, MAYAGÜEZ, PUERTO RICO

Tomás Ayala-Silva and Ricardo Goenaga, USDA-ARS Tropical Agriculture Research Station, Mayagüez, Puerto Rico.

P21: PHYTOSANITARY IRRADIATION FOR THE EGGS OF THE SOUTH AMERICAN FRUIT FLY, *Anastrepha fraterculus* (DIPTERA: TEPHRITIDAE)

Thiago Mastrangelo, Maylen G. Pacheco, María L. Z. Costa, and Víctor Botteon, Centro de Energia Nuclear na Agricultura da Universidade de São Paulo (CENA/USP).



P22: GENETIC DIVERSITY AND POPULATION STRUCTURE OF THE AMERICAN COTTON BOLLWORM *Helicoverpa zea* (LEPIDOPTERA: NOCTUIDAE) IN PUERTO RICO COMPARED WITH SOUTH AMERICAN SAMPLES

Rogério M. Gonçalves, J. Everling, T. Mastrangelo, J.C.V. Rodrigues, and A.M.L. Azeredo-Espin, Center for Molecular Biology and Genetic Engineering, State University of Campinas.

TOPICS: AGRICULTURAL EDUCATION, AGRICULTURAL ECONOMICS, EXTENSION AND COMMUNITY DEVELOPMENT/TEMAS: EDUCACIÓN AGRÍCOLA, EXTENSIÓN Y DESARROLLO COMUNITARIO

P23: VERTICAL VS HORIZONTAL GROW SYSTEMS: CHILDREN'S ASSESSMENT OF PATCHOI YIELD IN MAYARO TRINIDAD

Lincoln Mc Donald, Kenia-Rosa Campo, Wayne Ganpat, Wendy Ann Isaac, and Heidi Diquez, The University of the West Indies.

P24: DIVULGACIÓN DE LAS INVESTIGACIONES AGRÍCOLAS REALIZADAS EN EL CONTEXTO DE LA BIBLIOTECA DE LA ESTACIÓN EXPERIMENTAL AGRÍCOLA, RÍO PIEDRAS

Rosa M. Lozada, Biblioteca Estación Experimental, Universidad de Puerto Rico.

P25: THE DIVERSITY OF AGROECOLOGY PROGRAMS OFFERED AT THE UNIVERSITY OF FLORIDA: TAKING A GLOBAL FOCUS AND PARTNERSHIP APPROACH

Diane L. Rowland and **Romain M. Gloaguen**, University of Florida.

TOPICS: AGRICULTURAL BIOTECHNOLOGY AND PLANT BREEDING/TEMAS: BIOTECNOLOGÍA AGRÍCOLA Y MEJORAMIENTO DE PLANTAS

P26: COCONUT OILS AND THEIR BIODIESELS AS ALTERNATIVE FUELS IN AGRICULTURAL DIESEL ENGINES

Puran Bridgemohan, Phaedra Jaggernauth, Enoch Ghany, and Ejae John, University of Trinidad and Tobago.

P27: SAPONIN1: PRELIMINARY INVESTIGATIONS ON THE POTENTIAL OF *Sapindus mukorossi* FOR USE IN BIO-REMEDIATION OF OILS AND FOSSIL FUEL

Geeta Debisingh, Ronell S H Bridgemohan, and Puran Bridgemohan, University of Trinidad and Tobago.

P28: A STUDY OF CANDIDATE BIOMASS BRIQUETTES FOR LOCAL FUEL CONSUMPTION

Ria Manbodh, Ejae John, and Puran Bridgemohan, University of Trinidad and Tobago.



P29: A DNA BARCODE SUPPORTING THE IDENTIFICATION OF PALMS (ARECACEAE) IN PUERTO RICO

Paola Andrea Agosto Miranda and José Carlos Verle Rodrigues, University of Puerto Rico.

TOPICS: ROOT AND TUBER CROPS/TEMAS: CULTIVOS DE RAÍCES Y TUBÉRCULOS

P30: EVALUACIÓN DE GENOTIPOS DE BATATA CON PULPA AMARILLA (*Ipomoea batatas*) EN TRES ÉPOCAS DE SIEMBRA Y DOS CICLOS DE COSECHA EN LA ZONA DE ALTURA HÚMEDA EN PUERTO RICO

Agenol González, Universidad de Puerto Rico.

P31: BIOMASS STUDIES OF TEN SWEETPOTATO VARIETIES IN THE VIRGIN ISLANDS

Carlos Montilla, Henry Harris, James Gordon, Raheem Smart, and Thomas W. Zimmerman, University of the Virgin Islands Agricultural Experiment Station.

P32: PRELIMINARY ANALYSES OF GENETIC DIVERSITY IN THE PATHOGEN FUNGUS *Colletotrichum gloeosporioides* ATTACKING YAMS IN THE LESSER ANTILLES

Penet Laurent, Dentika Pauline, and Briand Sophie, INRA.

Tuesday, July 18, 2017

7:00 - 9:00 PM

Movie Session

Aria

M1: THE "GREEN HOUSE REVOLUTION" IN HAITI; ENHANCING FOOD SECURITY THROUGH CAPACITY BUILDING

B. J. Boman, G. S. Swanson, F. E. Sergile, and R. P. Fethiere, University of Florida, Institute for Food and Agricultural Sciences.