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”

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

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
### Monday, July 17, 2017

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Rooms</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:00 - 10:30 AM</td>
<td><strong>Keynote Speaker: Hon. Carlos Flores</strong>, Secretary of the Puerto Rico Department of Agriculture</td>
<td>Grand Ballroom</td>
</tr>
<tr>
<td>10:30 - 11:00 AM</td>
<td>Coffee Break</td>
<td></td>
</tr>
<tr>
<td>11:00 - 12:00N</td>
<td><strong>Keynote Speaker: Dr. Robert Vander Meer</strong>, Research Leader, USDA-ARS, Center for Medical, Agricultural, and Veterinary Entomology, Gainesville, Florida, USA. Florida Entomological Society Pioneer Lecture: <strong>William F. Buren, Ant Taxonomist Extraordinaire: from Ants of Iowa to the Invincible Fire Ant</strong></td>
<td>Grand Ballroom</td>
</tr>
<tr>
<td>12:00 - 1:30 PM</td>
<td>CFCS and CAEPNet Lunch</td>
<td>Yees and Burger Bar</td>
</tr>
<tr>
<td>1:30 - 6:00 PM</td>
<td><strong>CFCS, FES, and CAEPNet Technical Sessions</strong></td>
<td>Grand Ballroom, Grand Opera, Cadenza</td>
</tr>
</tbody>
</table>

### Tuesday, July 18, 2017

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Rooms</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 - 12:00 N</td>
<td>CFCS Roots and Tubers Symposium</td>
<td>Grand Ballroom</td>
</tr>
<tr>
<td>8:00 - 5:00 PM</td>
<td>FES Technical Sessions</td>
<td>Opera</td>
</tr>
<tr>
<td>8:30 - 4:00 PM</td>
<td>CACHE</td>
<td>Yees</td>
</tr>
<tr>
<td>12:00 - 1:30 PM</td>
<td>FES Student Lunch</td>
<td>Yees</td>
</tr>
<tr>
<td>12:00 - 1:30 PM</td>
<td>Lunch (On your own)</td>
<td></td>
</tr>
<tr>
<td>1:30 - 6:00 PM</td>
<td>CFCS Technical Sessions</td>
<td>Grand Ballroom</td>
</tr>
<tr>
<td>1:00 - 3:00 PM</td>
<td>CAEPNet Creating Country Fora Workshop</td>
<td>Cadenza</td>
</tr>
<tr>
<td>3:00 - 5:00 PM</td>
<td>CAEPNet Business Meeting</td>
<td>Cadenza</td>
</tr>
<tr>
<td>7:00 - 9:00 PM</td>
<td>CFCS, FES, and CAEPNet Poster Session &amp; Cocktail</td>
<td>Aria</td>
</tr>
</tbody>
</table>

### Wednesday, July 19, 2017

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Rooms</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 - 12:00 N</td>
<td><strong>CFCS Agroecology Symposium</strong></td>
<td>Grand Ballroom</td>
</tr>
<tr>
<td></td>
<td><strong>Agroecological Farming in the Caribbean: Myth or Reality</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(Moderator: Dr. Héctor Tavárez)</td>
<td></td>
</tr>
<tr>
<td>8:00 - 9:00 AM</td>
<td><strong>Keynote Speaker: Dr. Nilsa A. Bosque-Pérez</strong>, University Distinguished Professor, University of Idaho</td>
<td>Grand Ballroom</td>
</tr>
<tr>
<td>8:30 - 12:00 N</td>
<td>CACHE</td>
<td>Yees</td>
</tr>
<tr>
<td>12:00 - 1:30 PM</td>
<td>Lunch (on your own)</td>
<td>Grand Ballroom</td>
</tr>
<tr>
<td>1:30 - 6:00 PM</td>
<td>CFCS Technical Sessions</td>
<td>Grand Ballroom</td>
</tr>
<tr>
<td>7:30 - 11:30 PM</td>
<td>CFCS, CAEPNet, and CACHE Awards Dinner (with Tickets)</td>
<td>Grand Ballroom</td>
</tr>
<tr>
<td>Time</td>
<td>Event</td>
<td>Rooms</td>
</tr>
<tr>
<td>--------------------</td>
<td>----------------------------------------------------------------------</td>
<td>-------------------------</td>
</tr>
<tr>
<td>8:00 - 12:00 PM</td>
<td>Farmer's Forum (Moderator, Agro. Pedro Vivoni)</td>
<td>Grand Ballroom</td>
</tr>
<tr>
<td>12:00 - 1:30 PM</td>
<td>Lunch (on your own)</td>
<td>Aria</td>
</tr>
<tr>
<td>1:30 - 3:30 PM</td>
<td>CFCS, USDA-NIFA SPECIAL WORKSHOP: INTRODUCTION TO THE FOOD SAFETY MODERNIZATION ACT (FSMA) - WHAT YOU SHOULD BE AWARE OF (Moderator, Isabel Walls)</td>
<td>Aria</td>
</tr>
<tr>
<td>3:30 - 5:00 PM</td>
<td>CFCS General Members Meeting</td>
<td>Grand Ballroom</td>
</tr>
</tbody>
</table>

**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.

CAEPNet, Caribbean Agricultural Extension Provider’s Network

Host Institution: University of Puerto Rico, College of Agricultural Sciences, Mayagüez Campus
[http://www.uprm.edu/](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

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:30</td>
<td>CON INTERPRETACIÓN SIMULTÁNEA/WITH SIMULTANEOUS INTERPRETATION</td>
<td>Grand Ballroom</td>
</tr>
<tr>
<td>1:30-1:45</td>
<td>NUTRIENT MANAGEMENT IN THE CONTEXT OF SUSTAINABLE AGRICULTURE</td>
<td>Grand Ballroom</td>
</tr>
<tr>
<td></td>
<td>David Sotomayor-Ramírez and Gustavo Martínez-Rodríguez, University of Puerto Rico.</td>
<td></td>
</tr>
<tr>
<td>1:45-2:00</td>
<td>NH₃ LOSS FROM ACID SOILS AS A CONSEQUENCE OF OVER-LIMING</td>
<td>Grand Ballroom</td>
</tr>
<tr>
<td></td>
<td>Gregory Gouveia, Shedonna Richardson, and De Shorn Bramble, The University of the West Indies</td>
<td></td>
</tr>
<tr>
<td>2:00-2:15</td>
<td>ROLE OF NITROGENOUS FERTILIZER ADDITION IN THE RELEASE OF CO₂ FROM AG-LIME APPLIED TO ACID SOILS</td>
<td>Grand Ballroom</td>
</tr>
<tr>
<td></td>
<td>De Shorn Bramble, Gregory Gouveia, Richard Farrell, and Ravindra Ramnarine, The University of the West Indies</td>
<td></td>
</tr>
<tr>
<td>2:15-2:30</td>
<td>GROWTH, YIELD ATTRIBUTES AND YIELD OF MACHINE TRANSPLANTED RICE AS INFLUENCED BY NITROGEN LEVELS AND SPLIT SCHEDULES</td>
<td>Grand Ballroom</td>
</tr>
<tr>
<td>2:30-3:45</td>
<td>WATER AMBASSADOR PROGRAM II: FURTHERING THE UNDERSTANDING AND PROTECTION OF WATERSHEDS AND HYDROLOGY IN THE US VIRGIN ISLANDS</td>
<td>Grand Ballroom</td>
</tr>
<tr>
<td></td>
<td>Christina Marie Chanes, David C. Morris, Avram Gerald Primack, and Calwyn Morton, University of the Virgin Islands.</td>
<td></td>
</tr>
<tr>
<td>3:00-3:30</td>
<td>AGRICULTURAL WATER MANAGEMENT AND PUERTO RICO’S FOOD INSECURITY</td>
<td>Grand Ballroom</td>
</tr>
<tr>
<td></td>
<td>Eric W. Harmsen and Rhea Howard Harmsen, University of Puerto Rico.</td>
<td></td>
</tr>
<tr>
<td>3:30</td>
<td>Coffee Break</td>
<td></td>
</tr>
</tbody>
</table>
TOPICS: ANIMAL PRODUCTION, MILK AND BYPRODUCTS/ TEMAS: PRODUCCIÓN ANIMAL, LECHE Y SUBPRODUCTOS

3:30 - 3:45
**EFECTOS DE UN PROTOCOLO DE ALIMENTACIÓN DE CRECIMIENTO ACELERADO SOBRE LA GANANCIA EN PESO DE BECERRAS JERSEY BAJO CONDICIONES TROPICALES**
Ninochka 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.**

4:45 - 5:00
**EFFECT OF A NITROGEN FERTILIZER ON THE CHEMICAL COMPOSITION OF TWO GRASS SPECIES GROWN AT THE ECIAF 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 ESPECTROSCOPÍA 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.
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 PREREQUISITE 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 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
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>3:30 - 3:45</td>
<td><strong>HOW TO ASSESS INTERACTION OF AGRI-FOOD STAKEHOLDERS IN SOCIAL MEDIA?</strong></td>
</tr>
<tr>
<td></td>
<td>Ataharul Chowdhury, Wayne Ganpat, Helen Hambly Odame, and Jeet Ramjattan, University of the West Indies.</td>
</tr>
<tr>
<td>3:45 - 4:00</td>
<td><strong>CHARACTERIZING FARMERS BASED ON THEIR WILLINGNESS TO PAY FOR AGRICULTURAL EXTENSION SERVICES IN TRINIDAD</strong></td>
</tr>
<tr>
<td></td>
<td>Asisha Patterson and Wayne Ganpat, The University of the West Indies.</td>
</tr>
<tr>
<td>4:00 - 4:15</td>
<td><strong>WHYFARM (WE HELP YOU-TH FARM)</strong></td>
</tr>
<tr>
<td></td>
<td>Alpha Sennon, Founder and Executive Director, WHYFARM.</td>
</tr>
<tr>
<td>4:15 - 5:00</td>
<td>Open discussion</td>
</tr>
</tbody>
</table>

**Tuesday, July 18, 2017**

**8:00 AM - 12:00 N**  
**CFCS Root and Tuber Symposium**  
**Grand Ballroom**

**MODERADOR/MODERATOR: PROF. AGENOL GONZÁLEZ**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 - 8:15</td>
<td><strong>CON INTERPRETACIÓN SIMULTÁNEA/WITH SIMULTANEOUS INTERPRETATION</strong></td>
</tr>
<tr>
<td></td>
<td>Welcome remarks: Dr. Merari Feliciano-Rivera, University of Puerto Rico, Mayagüez Campus</td>
</tr>
<tr>
<td>8:15 - 9:00</td>
<td><strong>Keynote Speaker: Prof. Mildred Cortés</strong>, Department of Agricultural Economics and Rural Sociology, University of Puerto Rico, Río Piedras, PR</td>
</tr>
<tr>
<td>9:00 - 9:15</td>
<td><strong>CONTROL METHODS FOR &quot;CORM-ROT DISEASE&quot; IN APIO (Arracacia xanthorrhiza BANCROFT) IN PUERTO RICO</strong></td>
</tr>
<tr>
<td></td>
<td>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.</td>
</tr>
</tbody>
</table>
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 Homenaouth, 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 Homenaouth, 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

<table>
<thead>
<tr>
<th>TOPICS: CROP PROTECTION, CROPPING AND PRODUCTION SYSTEMS AND PLANT PHYSIOLOGY/TEMAS: PROTECCIÓN DE CULTIVOS, CULTIVO Y SISTEMAS DE PRODUCCIÓN Y FÍSIOLOGÍA DE PLANTAS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:30 - 1:45 DISEASE SEVERITY OF HUANGLONGBING AND Candidatus Liberibacter asiaticus TITER IN GENOTYPES OF Citrus reticulata AT ISABELA PUERTO RICO</td>
</tr>
<tr>
<td>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.</td>
</tr>
<tr>
<td>1:45 - 2:00 OCURRENCIA DEL VIRUS DEL BRONCEADO DE TOMATE (TSWV) EN Capsicum annuum BAJO AMBIENTE PROTEGIDO EN JARABACOA, REPÚBLICA DOMINICANA</td>
</tr>
<tr>
<td>Rosalba Rodríguez y Reina T. Martínez, Universidad Autónoma de Santo Domingo-UASD-FCAV.</td>
</tr>
<tr>
<td>2:00 - 2:15 FACTORES DE RIESGO ASOCIADO A LA VÍA DE INTRODUCCIÓN DE Fusarium oxysporum F. SP. cubense RAZA 4 TROPICAL (FOCR4T)</td>
</tr>
<tr>
<td>Dionicia Abreu, Rosalba Rodríguez, Concepción Sanchez y Katia Espinosa, Analistas de Riesgo de Plagas, Ministerio de Agricultura de la República Dominicana.</td>
</tr>
<tr>
<td>2:15 - 2:30 EFFICACY OF FUNGICIDES FOR CONTROL OF STEMPHYLIUM LEAF SPOT OF SPINACH</td>
</tr>
<tr>
<td>Christian F. Miller, German Sandoya, and Richard Raid, University of Florida, Everglades Research and Education Center, Belle Glade, FL.</td>
</tr>
<tr>
<td>2:30 - 2:45 SURFACTANTS- DO THEY IMPROVE THE EFFICACY OF INSECTICIDES TO MANAGE MELON THRIPS AND TCSV IN COMMERCIAL TOMATO PLANTS?</td>
</tr>
<tr>
<td>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.</td>
</tr>
</tbody>
</table>
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 ENDOSYMBOINT 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: THRIPIDAE)  
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: THRIPIDAE) 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.
<table>
<thead>
<tr>
<th>Time</th>
<th>Event Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>5:00 - 5:15</td>
<td>STUDIES OF PHYTOCHEMICALS, HEAVY METALS AND N.P.K. IN CRUDE LEAF EXTRACT OF Achyranthes aspera L.</td>
</tr>
<tr>
<td></td>
<td>Gomathinayagam Subramanain, Brij B.Tewari, and G.Rekha, University of Guyana, Berbice Campus.</td>
</tr>
<tr>
<td>5:15 - 5:30</td>
<td>PITAYA FLORAL DEVELOPMENT IN THE VIRGIN ISLANDS</td>
</tr>
<tr>
<td></td>
<td>Samuel Joseph and Thomas W. Zimmerman, University of the Virgin Islands Agricultural Experiment Station.</td>
</tr>
<tr>
<td>5:30 - 5:45</td>
<td>PERFORMANCE OF BANANAS AFTER HURRICANE MATTHEW IN NORTH ANDROS, BAHAMAS; CLIMATE SMART AGRICULTURE</td>
</tr>
<tr>
<td></td>
<td>R. Parker, M. Hopkins, C. Fernandez, and M. D. Singh, Caribbean Agricultural Research and Development Institute (CARDI).</td>
</tr>
</tbody>
</table>

**Wednesday, July 19, 2017**  
**CFCS Agroecology Symposium**  
Agroecological Farming in the Caribbean: Myth or Reality

<table>
<thead>
<tr>
<th>Time</th>
<th>Event Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 - 12:30 PM</td>
<td>Agroecology Symposium</td>
</tr>
<tr>
<td></td>
<td>Grand Ballroom</td>
</tr>
</tbody>
</table>

**CON INTERPRETACIÓN SIMULTÁNEA/WITH SIMULTANEOUS INTERPRETATION**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 - 8:15</td>
<td>Welcome Remarks: Dr. Héctor Tavárez, University of Puerto Rico, Río Piedras, PR</td>
</tr>
<tr>
<td>8:15 - 9:00</td>
<td>Desarrollo de líderes/académicos en agroecología en el Caribe a través de programas interdisciplinarios</td>
</tr>
<tr>
<td></td>
<td>Development of academic leaders in agroecology in the Caribbean through interdisciplinary programs</td>
</tr>
<tr>
<td></td>
<td>Keynote Speaker: Dr. Nilsa A. Bosque-Pérez, University Distinguished Professor, University of Idaho.</td>
</tr>
<tr>
<td>9:00 - 9:30</td>
<td>Open discussion</td>
</tr>
</tbody>
</table>
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**
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

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 Alamo, 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-Tikasingh, 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, Ranoe 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
4:00 - 4:15
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

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 GERMPLASM 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)**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 - 8:15 AM</td>
<td>Agro. Pedro Vivoni, Action and Agricultural Reform, Inc. Introduction to the Current Food and Agricultural Situation in Puerto Rico</td>
</tr>
</tbody>
</table>
| 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-Monsegur, 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

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 Atiles 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 FIOSILOGÍA 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, Eliide 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-Coralá, 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.

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

**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 PATCHOIL 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.