

PROGRAM

2024 American Phytopathological Society Caribbean Division Meeting



**April 15 - 17
Mérida, Yucatán, México**

**Theme: Tropical plant pathology in a
connected world**

**Venue
Holiday Inn Mérida
Av Colon No 498, Mérida, 97000, Mexico**

2024 APS-CD

Executive Committee

President, Martha Giraldo Zapata, University of Puerto Rico
martha.giraldo@upr.edu

Vice-President, Cecilia Hernández-Zepeda, CICY
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Secretary-Treasurer, Megan Dewdney, University of Florida
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Past President, Braham Dhillon, University of Florida
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2024 APS-CD

Local Arrangements Committee

Oscar Alberto Moreno Valenzuela, CICY
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Cecilia Hernández-Zepeda, CICY
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Sunday, April 14th, 2024 [Room: Uxmal]	
6:00 - 8:00 pm	Pre-registration and talk uploads

Monday, April 15th, 2024 [Room: Uxmal]		
7:30 - 8:00 am	Registration open / Upload talks	
8:00 - 8:05 am	Welcome remarks and message	Martha C. Giraldo Zapata President, APS-CD
8:05 - 8:55 am	Plenary talk: Globalization and pathogen movement in the Caribbean	Gustavo Mora Aguilera Programa de Postgrado en Fitosanidad Colegio de Postgraduados Campus Montecillo Laboratorio de Análisis de Riesgo Epidemiológico Fitosanitario LANREF
8:55 - 9:00 am	Announcements	Cecilia Hernández Zepeda / Oscar Alberto Moreno Valenzuela
9:00 - 12:10	Impact of Globalization on Pathogen Introduction in the Caribbean Moderator: Judith Brown, University of Arizona	
Time	Speaker	Title
9:00 - 9:25 am	Andrea I. Muñoz-Ramirez*	Field performance of seed yam, <i>Dioscorea rotundata</i> cv. Guinea negro, produced in temporary immersion bioreactors <i>Email: andrea.munoz1@upr.edu</i>
9:30 - 9:55 am	Roberto Vargas	<i>Rotylenchulus reniformis</i> emerges as the most dangerous plant-parasitic nematode in sweet potato in Puerto Rico <i>Email: roberto.vargas1@upr.edu</i>
10:00 - 10:25 am	Martha C. Giraldo Zapata	Tubers, our superfoods in the Caribbean, key to our food security <i>Email: martha.giraldo@upr.edu</i>
10:25 - 10:45 am	Break	
10:45 - 11:10 am	Gustavo Alberto Frias-Treviño*	Effectiveness of chlorine dioxide against <i>Tomato brown rugose fruit virus</i> in greenhouse-grown tomato plants <i>Email: servesa_gfriast@hotmail.com</i>
11:15 - 11:40 am	Rajagopalbabu Srinivasan	Cucurbit leaf crumple virus: interactions with the vector and criniviruses, epidemics, and management in squash <i>Email: babusri@uga.edu</i>
11:45 - 12:10 pm	Sudeep Bag	Emergence of tomato chlorosis virus add complexity towards management of tomato yellow leaf curl virus in Georgia, USA <i>Email: sudeepbag@uga.edu</i>
12:10 - 2:00 pm	Lunch (on your own)	

2:00 - 5:10 pm	Citrus and Tomato Diseases Moderators: Andrea Muñoz, University of Puerto Rico Rajagopalbabu Srinivasan, University of Georgia	
2:00 - 14:25 pm	Megan M. Dewdney	How to safeguard a newly-planted citrus tree from huanglongbing: A multiyear comparison <i>Email: mmdewdney@ufl.edu</i>
2:30 - 2:55 pm	Judith K. Brown	Optimization of qPCR detection of " <i>Ca. Liberibacter asiaticus</i> " in sentinel adult and nymph Asian citrus psyllids <i>Email: jbrown@ag.arizona.edu</i>
3:00 - 3:25 pm	Gomathinayagam Subramanian	Studies on biological control of wilt disease in tomato by using <i>Trichoderma harzianum</i> in <i>in vitro</i> method <i>Email: gomsrekha@uog.edu.gy</i>
3:25 - 3:45 pm		Break
3:45 - 4:10 pm	Diego Montañez*	Efecto antifúngico <i>in vitro</i> de hongos endófitos de <i>Cucumis sativus</i> y <i>Lagenaria siceraria</i> de Yucatán, México <i>Email: dimont4@hotmail.com</i>
4:15 - 4:40 pm	Veronica Ancona	Field evaluation of small molecules for management of citrus huanglongbing in Texas <i>Email: veronica.ancona-contreras@tamuk.edu</i>
4:45 - 5:10 pm	Amit Levy	Huanglongbing host-pathogen interactions in susceptible and tolerant varieties <i>Email: amitlevy@ufl.edu</i>
5:10 - 5:30 pm		Break
5:30 - 7:00 pm	Poster session and Welcome Reception / Cocktail – In the FOYER area	

Tuesday, April 16th, 2024 [Room: Uxmal]		
8:00 - 8:30 am	Registration open / Upload talks	
8:30 - 8:45 am	APS update	Niklaus Grunwald USDA ARS President, APS
8:50 - 12:10	Disease Diagnostics and Transmission Moderators: Paola Ronda, University of Puerto Rico Veronica Ancona, Texas A&M University	
Time	Speaker	Title
8:50 - 9:15 am	Niklaus Grunwald	Pathogensurveillance: An automated computational pipeline for identification, population genomics, and monitoring of pathogens <i>Email: nik.grunwald@usda.gov</i>
9:20 - 9:45 am	Cecilia Hernández-Zepeda	Occurrence of Pepper mild mottle virus in freshwater and irrigation water sources in the Yucatan peninsula <i>Email: cecilia.hernandez@cicy.mx</i>

9:50 - 10:15 am	Daisy C. Perez-Brito	An overview of Papaya Meleira Virus (PMeV) studies in Mexico <i>Email: daisypb@cicy.mx</i>
10:15 - 10:45 am		Break
10:45 - 11:10 am	Jeanmarie Verchot	Using Rose rosette infectious clone to track systemic virus infection in hybrid rose plants <i>Email: jeanmarie.verchot@ag.tamu.edu</i>
11:15 - 11:40 am	Ubilfrido Vasquez-Gutierrez*	Effect of chlorine dioxide on the transmission and replication of ToBRFV in open-grown tomato plants <i>Email: vagu.99@hotmail.com</i>
11:45 - 12:10 pm	Mariana Prieto Torres*	Optimizing a mobile spore trap for detection of <i>Pseudoperonospora cubensis</i> , causal agent of cucurbit downy mildew <i>Email: mprieto@ncsu.edu</i>
12:10 - 2:00 pm		Lunch (on your own)
2:00 - 5:10 pm	Diseases of Tropical Perennials Moderator: Mariana Prieto Torres, North Carolina State University	
2:00 - 2:25 pm	Paola Cristina Ronda-Plaza*	Assessment of black sigatoka disease on banana produced by tissue culture in Puerto Rico <i>Email: paola.ronda@upr.edu</i>
2:30 - 2:55 pm	Lorenza Caamal EB	Identification of phytopathogenic fungi in tropical forest species in nursery and their sensitivity to fungicides <i>Email: lorecaamal@gmail.com</i>
3:00 - 3:25 pm	Ignacio R. Islas-Flores	Proteins of the cell wall of the <i>Pseudocercospora fijiensis</i> : an opportunity to create and to learn <i>Email: islasign@cicy.mx</i>
3:25 - 3:45 pm		Break
3:45 - 4:10 pm	Braham Dhillon	<i>Streptomyces murinus</i> , a potential biocontrol agent for fungal pathogens of palms <i>Email: dhillonb@ufl.edu</i>
4:15 - 4:40 pm	Blondy Canto-Canche	Effectomics in Black Sigatoka <i>Email: cantocanche@cicy.mx</i>
4:40 - 5:00 pm		Break
5:00 - 6:15 pm	Business Meeting	ALL DIVISION MEMBERS ARE WELCOME
6:30 pm	Closing Dinner Banquet and Awards	

*Student competition

Wednesday, April 17th, 2024 [Field Trip]		
8:00 am		Depart from Hotel
8:45 - 11:00 am	Venue 1	Visit to National Institute for Forestry, Agriculture and Livestock Research (INIFAP)
11:20 - 1:00 pm		Lunch at Chocolate Museum
1:00 - 3:30 pm	Venue 2	Visit to Uxmal
4:00 pm		Back to Hotel

POSTER SUBMISSIONS

Posters NOT to exceed 36" x 48" dimensions. Can be in either landscape or portrait format.

Presenter	Title
Alina Puig	Alternative hosts of cacao mild mosaic virus (CaMMV) <i>Email: alina.puig@usda.gov</i>
Mavir Carolina Avellaneda Barbosa	Monitoring of huanglongbing in citrus using multispectral vegetation index <i>Email: mcavellaneda@gmail.com</i>
Lorena Reyes-Vaquero	Evaluation of nematocidal activity of <i>Ruta graveolens</i> on <i>Meloidogyne incognita</i> under <i>in vitro</i> conditions <i>Email: lrvsaid@gmail.com</i>
Lorena Reyes-Vaquero	Evaluation of <i>in vitro</i> nematocidal activity of <i>Viguiera dentata</i> on <i>Meloidogyne incognita</i> <i>Email: lrvsaid@gmail.com</i>
Leydi Del Rocio Canche	Nematicidal effects of extracts of <i>Ceiba pentandra</i> for <i>Meloidogyne incognita</i> management <i>Email: leydicanchemoo@gmail.com</i>
Marie-Gabrielle Ayika	Development of GFP-labeled strains to study the dynamics of <i>Fusarium oxysporum</i> f. sp. <i>palmarum</i> movement in palms <i>Email: ayikam@ufl.edu</i>
Fabiola Islas	Biocontrol potential of glyphosate-resistant <i>Streptomyces</i> species against fungal phytopathogens <i>Email: fabi_il@hotmail.com</i>
Vilmaris Bracero Acosta	Implementation of IPM practices to manage Black Sigatoka, <i>Pseudocercospora fijiensis</i> in the Añasco Valley in Puerto Rico <i>Email: vilmaris.bracero@upr.edu</i>
Yanira Miranda-Cortés	Characterization of <i>Bacillus altitudinis</i> as the causal agent of bacterial soft rot in yam <i>Email: yanira.miranda@upr.edu</i>
Monica L. Osnaya-González	Fungi associated to leaf spots in <i>Cucurbita argyrosperma</i> crops <i>Email: osnaya@colpos.mx</i>
Petra Aguirre-Rayó	<i>Stenotrophomonas indicatrix</i> , a novel bacterium causing yellow stripe and apical meristem whorl on maize leaves <i>Email: aguirre.petra@colpos.mx</i>
Rosa Alheli Pereyda-Hernandez	<i>Enterobacter cloacae</i> complex causing reddish streaks on sugarcane leaves in Mexico <i>Email: pereyda.rosa@colpos.mx</i>
Sofía Macchiavelli-Girón	Addressing watermelon vine decline in Puerto Rico through outreach <i>Email: sofia.macchiavelli@upr.edu</i>
Diana Elizabeth Rios Muñiz	Effect on conidial membrane integrity by a bioactive extract (BE) produced by <i>Streptomyces</i> sp. GCAL-9 <i>Email: eliz_dian@hotmail.com</i>