

11TH ANNUAL ACMAP CONFERENCE 2022

TENTATIVE PROGRAM

Times are in Atlantic Standard Time (AST)

Day 1 IAUPR Barranquitas Campus Tuesday, June 28, 2022		
10:00 AM – 8:00 PM		Registration
1:30 PM		Shuttle pick-up from Hyatt Place Hotel - Bayamon
4:30 PM – 5:30 PM	Welcome	Chair & Co-Chair (2022 ACMAP Conference) President , ACMAP Rector , Inter American University of Puerto Rico, Barranquitas Rector , Inter American University of Puerto Rico, Bayamon President , Inter American University of Puerto Rico Chairman , Board of Trustees, Inter American University of Puerto Rico
5:30 PM – 6:15 PM	Plenary	Nobel Laureate Dr. David Julius Morris Herzstein Chair in Molecular Biology and Medicine University of California San Francisco, USA <i>From peppers to peppermints: natural products as probes of the pain pathway</i>
6:15 PM – 7:30 PM	Opening ceremony	Cultural event and dinner
7:30 PM – 8:00 PM	Meeting	ACMAP Board Meeting

Day 2 IAUPR Bayamon Campus June 29, 2022			
		Session I: Botanicals of Caribbean diaspora S. Rao Mentreddy Alabama A&M University, USA James Ackerman University of Puerto Rico, Puerto Rico	Session II: Bioactive compounds of plants and their roles in human health I (Cancer) Andrea Doseff Michigan State University, USA Claudia Ospina Inter American University of Puerto Rico, Puerto Rico
8:30 AM – 9:10 AM	Keynote	Sonia Peters Bioscience Barbados Ltd., Barbados <i>Caribbean Plant Biodiversity - unlocking the potential of molecular diversity.</i>	Nihal Ahmad University of Wisconsin, USA <i>Grape antioxidants in skin cancer management</i>
9:10 AM – 9:40 AM	Invited I	Sylvia Mitchell University of West Indies, Jamaica	Anait S. Levenson Long Island University, USA

		<i>Thirty-five years of tropical plant tissue culture R&D in Jamaica: the challenges and breakthroughs</i>	<i>The role of dietary stilbenes in prostate cancer interception: evidence from preclinical studies.</i>
9:40 AM – 10:10 AM	Invited II	Martha Giraldo University of Puerto Rico, Puerto Rico <i>Role of roots and tuber crops in global household food security</i>	Yuanyuan (Rose) Li University of Missouri, USA <i>Maternal epigenetic diets on transgenerational breast cancer prevention</i>
10:10 AM – 10:40 AM	Invited III	Alok Arun Inter American University of Puerto Rico, Puerto Rico <i>Biology of underutilized crops of the Caribbean</i>	Virginie Aires University of Burgundy, France <i>Bioactive dietary compounds: promising therapeutic adjuvants through the targeting of tumor lipid metabolism</i>
10:40AM – 11:00 AM	COFFEE BREAK		
11:00 AM – 11:15 AM	Oral talk		Gisella Campanelli Long Island University, USA <i>Chemopreventive activity of Gnetin C in murine tumor models of prostate cancer</i>
11:15 AM – 11:30 AM	Oral talk		Mirielle Nauman University of Illinois at Chicago, USA <i>Garcinia mangostana (mangosteen) xanthenes promote androgen receptor degradation</i>
11:30 AM -12:30 PM	Workshop	Plant tissue culture of medicinally active plants (Jeffrey Adelberg, Sadanand Dhekney, Nirmal Joshee)	
12:20 PM- 1:30 PM	LUNCH		
	Chair	Session III: Chemistry of medicinal Plants Sun-Ok Lee University of Arkansas, USA	Session IV: Ethnobotany, bioprospecting and production Jeffrey Adelberg Clemson University, USA
	Co-chair	Bruyanelis Ramos Aponte Universidad Ana G. Méndez, Puerto Rico	Angel Nunez Marrero Inter American University of Puerto, Puerto Rico
1:30 PM -2:10 PM	Keynote	Jeremy Johnson University of Illinois at Chicago, USA <i>Translational development of phytochemicals and highly characterized plant extracts</i>	James E Simon Rutgers University, USA <i>Bioexploration of indigenous plants in sub-Sahara Africa</i>
2:10 PM – 2:40 PM	Invited I	Fabricio Medina-Bolivar Arkansas State University, USA	TBD

		<i>Combined elicitation and targeted metabolomics approach for the discovery of medicinally active prenylated stilbenoids in hairy root cultures of peanut and pigeon pea</i>	
2:40 PM – 3:10 PM	Invited II	Joshua J Kellogg Pennsylvania State University, USA <i>Biochemometric molecular networking to discover new aryl hydrocarbon receptor ligands from the diet</i>	Prabodh Satyal Aromatic Plant Research Centre, USA <i>Instrumental challenges with essential oil adulteration.</i>
3:10 PM – 3:40 PM	Invited III	Rodolfo Juliani Rutgers University, USA <i>Quality, chemistry, and biological activity of the West African spice, grains of paradise (Aframomum melegueta)</i>	S. Rao Mentreddy Alabama A&M University, USA <i>Ethnobotany and production of three high-value medicinally active herbs, basil, turmeric, and mountain mint in North Alabama</i>
3:40 PM – 4:00 PM	COFFEE BREAK		
4:00 PM – 4:15 PM	Oral talk	Joseph Horzempa West Liberty University, USA <i>Dillapole, a compound extracted from fennel, exhibits potential as an antibacterial chemotherapy by dampening virulence factor expression</i>	Oral 1 (TBD)
4:15 PM – 4:30 PM	Oral talk	Bhani Kongkham Indian Institute of Technology, India <i>Evaluation of the β-lactamase inhibition and β-lactam potentiating ability of medicinal plants from Indian sub-continent: an in vitro and in silico study</i>	B.K. Biswas Fort Valley State University, USA <i>Stevia and Turmeric, consumption can help for anti-cancer benefits, know how to grow and consume</i>
4:30 PM – 6:00 PM	POSTER PRESENTATION		
Day 3 IAUPR Bayamon Campus June 30, 2022			
8:00 AM – 8:30 AM	BREAKFAST		
	Chair	Session V: In vitro propagation and conservation of value-added plants Nirmal Joshee Fort Valley State University, USA	Session VI: Bioactive compounds of plants and their roles in human health II (Inflammatory diseases) Anait S. Levenson Long Island University, USA
	Co-chair	Dr. Ileana Rodríguez University of Puerto Rico, Puerto Rico	PR INBRE (Awaiting confirmation)
8:30 AM – 9:10 AM	Keynote	Sadanand Dhekney University of Maryland, USA <i>Optimizing in vitro culture techniques for precision breeding of perennial fruits: grapevine as a model.</i>	A. Douglas Kinghorn The Ohio State University, USA <i>Discovery of anticancer agents of diverse natural origin</i>

9:10 AM – 9:40 AM	Invited I	Jeff Adelberg Clemson University, USA <i>Nutrients and lighting factors in controlling medicinal plant culture</i>	Andrea Doseff Michigan State University, USA <i>Flavonoids regulate macrophage immune function controlling cancer and halting obesity</i>
9:40 AM – 10:10 AM	Invited II	Mahipal Singh Shekhawat Puducherry, India <i>In vitro regeneration of medicinal plants and analysis of structural plasticity of cells and tissues towards changed environmental conditions: A way forward to develop climate-resilient plants</i>	Susanne Mertens-Talcott Texas A&M University, USA <i>Interactions of tannins with the intestinal microbiome and anti-inflammatory activities</i>
10:10 AM – 10:40 AM	Invited III	Maria Luisa Villarreal Ortega Universidad Autónoma del Estado de Morelos, Mexico <i>Conservation of Mexican medicinal species with sedative and anti-inflammatory properties</i>	Diana Roopchand Rutgers University, USA <i>Grape polyphenols and cannabidiol: mechanisms for promoting metabolic resilience</i>
10:40 AM-11:00 AM	COFFEE BREAK		
11:00 AM-11:15 AM	Oral talk	Ramana Gosokunda Fort Valley State University, USA <i>Machine learning models in plant tissue culture: a case study of Brahmi</i>	Kevin Tveter Rutgers University, USA <i>Metabolic benefits of grape polyphenol consumption on bile acid signaling in mice with intestine- and liver-specific deletion of Fxr</i>
11:15 AM – 11:30 AM	Oral talk	Samantha Sherman Fort Valley State University, USA <i>Histological examination of in vitro hyperhydric cultures of Scutellaria lateriflora</i>	Meenakshi Sudhakaran Michigan State University, USA <i>Flavone apigenin regulates innate immune response through RNA binding protein hnRNPA2</i>
11:30 AM -12:30 PM	Workshop	Writing and submitting scientific papers to JMAP	
12.30 PM – 1.30 PM	LUNCH		
1.30 PM – 6.30 PM	TOUR	Guided Old San Juan Tour	
Day 4 IAUPR Bayamon Campus July 1, 2022			
8:00 AM – 8:30 AM	BREAKFAST		
	Chair	Session VII: Hemp and Medical Cannabis Joshua Kellogg Fort Valley State University, USA	Session VIII: Plant and algae derived cosmeceuticals and nutraceuticals Alok Arun Inter American University of Puerto Rico, Puerto Rico
	Co-chair	TBD	TBD

8:30 AM – 9:10 AM	Keynote	Aruna Weerasooriya Prairie View A & M University, USA <i>Genetic complexity in Industrial hemp germplasm</i>	Namrita Lall University of Pretoria, South Africa <i>Reinforce urban skin by connecting with the origins</i>
9:10 AM – 9:40 AM	Invited I	Oliver Kayser TU Dortmund University, Germany <i>Endocannabinoid receptor pharmacology of rare cannabinoids</i>	Sun-Ok Lee University of Arkansas, USA <i>Health-promoting effects of functional foods</i>
9:40 AM – 10:10 AM	Invited II	Sadanand Dhekney University of Maryland Eastern Shore, USA <i>Screening industrial hemp cultivars for cannabinoid production in the Mid-Atlantic region</i>	Bahar Aliakbarian Michigan State University, USA <i>Upcycling food process byproducts for cosmeceutical applications: Case of cherry waste</i>
10:10 AM – 10:40 AM	Invited III	Wesley Raup-Konsavage Penn State University, USA <i>Chasing the entourage effect in Cannabis</i>	Thomas H. Terrill Fort Valley State University, USA <i>Nutraceutical and cosmeceutical properties of sericea lespedeza (<i>Lespedeza cuneata</i>)</i>
10:40AM – 11:00 AM	COFFEE BREAK		
11:00 AM – 11:15 AM	Oral talk	Niranjan Aryal VRX Labs, USA <i>Cannabis testing labs; Quality control and standardization</i>	Ana-Marie Reid University of Pretoria, South Africa <i>Euclea natalensis A. DC., as an adjuvant, immunomodulator and hepatoprotectant</i>
11:15 AM – 11:30 AM	Oral talk	Ke Sui Rutgers University, USA <i>Cannabidiol improves inflammation, glucose metabolism and bone loss in a murine model of female post-menopause in association with a bloom of <i>Lactobacillus</i> sp.</i>	Sepideh Mohammadhosseinpour Arkansas State University, USA <i>Prenylated stilbenoids from peanut increase the anticancer efficacy of paclitaxel in triple-negative breast cancer cells</i>
11:30 AM – 12:30 PM	FLASH TALKS		
12:30PM – 1:30 PM	LUNCH		
1:30 PM – 6:30 PM	LEISURE		
6:00 PM – 8:00 PM	CLOSING CEREMONY (GALA DINNER) AND AWARDS Chair & Co-Chair (2022 ACMAP Conference) Executive Editor, JMAP President, ACMAP Executive Director, ACMAP Awards President-Elect, ACMAP		

	Day 5 2nd July 2022 Field Excursions and Tours (Group basis)