

12th Annual ACMAP Conference 2023
Tentative Scientific Program (October 18 - 21, 2023)
 Times are in Eastern Standard Time (EST)

Day 1: October 18, 2023 (Wednesday)

West Virginia State University Campus

Registration and plenary talk: Davis Fine Arts (Building 8 on the map)

Reception: Wilson Student Union (Building 5 on the map)

10:00 AM – 8:00 PM		Registration
4:30 PM – 5:30 PM	Welcome	Host , West Virginia State University, Micheal Fultz President , West Virginia State University President , ACMAP, Nirmal Joshee Executive Director , ACMAP, Fabricio Medina-Bolivar Chair & Co-chair of ACMAP Conference 2023 Umesh Reddy and Sun-Ok Lee
5:30 PM – 6:10 PM	Plenary	Cassandra L. Quave Department of Dermatology: School of Medicine Center for the Study of Human Health: Emory College of Arts and Sciences Emory University Herbarium Emory University, USA Ethnobotany as a Tool for Targeted Discovery of Bioactive Natural Products
6:10 PM – 7:30 PM	Reception	Cultural event and dinner
7:30 PM – 8:00 PM	Meeting	ACMAP Board Meeting

Day 2: October 19, 2023 (Thursday)

West Virginia State University Campus

Registration and sessions I-IV: Davis Fine Arts (Building 8 on the map)

Lunch: Wilson Student Union (Building 5 on the map)

Poster session and book signing: Wilson Student Union (Building 5 on the map)

8:00 AM – 8:30 AM	Registration	
	Session I	Ethnobotany, Bioprospecting, and Production
	Chair	Rebecca Linger University of Charleston, USA
	Co-chair	Emily Merchant Rutgers University, USA
8:30 AM – 9:00 AM	Keynote	Srinivasa Rao Mentreddy Alabama A&M University, USA Developing Turmeric as a High-Value Medicinal Crop in Alabama
9:00 AM – 9:20 AM	Invited I	Rebecca Linger University of Charleston, USA The Pharmacognostical History of the Appalachian May Apple
9:20 AM – 9:40 AM	Invited II	Nirmal Joshee Fort Valley State University, USA

		Efforts in Bioprospecting <i>Scutellaria</i>: A Little Known Genus of about 400 Species
9:40 AM –9:55 AM	Oral I	Pawan Prabhakar Indian Institute of Technology Kharagpur, India An <i>in vitro</i> Assessment of Antidiabetic Activity for Bioprospecting of Ethnomedicinal Plant <i>Coccinia grandis</i> L.
9:55 AM – 10:10 AM	Oral II	Chhandak Basu California State University, USA Molecular Physiological Analyses of Turmeric (<i>Curcuma longa</i>) under Various Environmental Stresses
10:10 AM – 10:30 AM	Coffee Break	
	Session II	Chemistry of Medical Plants
	Chair	Micheal Fultz West Virginia State University, USA
	Co-chair	Joshua Kellogg Pennsylvania State University, USA
10:30 AM – 11:00 AM	Keynote	Liva Rakotondraibe Ohio State University, USA Exploring Californian Lichens and Their Mycobionts for Bioactive Compounds
11:00 AM – 11:20 AM	Invited I	Warren Vidar University of North Carolina at Greensboro, USA New Strategies for Natural Product Discovery with Interaction Metabolomics
11:20 AM – 11:40 AM	Invited II	Gregory Dudley West Virginia University, USA Synthetic Analogues of Illudalic Acid from the Eastern Jack O’ Lantern Mushroom
11:40 AM – 11:55 AM	Oral I	Xiaoling Chen Pennsylvania State University, USA Unlocking Novel Ligand-Receptor Associations from Medicinal Plants and Fungi Using Untargeted Metabolomics, Molecular Networking, Docking and Data Mining
11:55 AM –12:10 PM	Oral II	Prabodh Satyal Aromatic Plant Center, USA Everything about Methyl Salicylate
12:10 PM – 1:10 PM	Lunch	
	Session III	Production Strategies for Medicinal Biomass and Bioactive Compounds
	Chair	Nirmal Joshee Fort Valley State University, USA
	Co-chair	Barbara Liedl West Virginia State University, USA
1:10 PM – 1:40 PM	Keynote	Gary W. Stutte SyNRGE, LLC, USA

		Plants in Space: Enabling Health on Earth
1:40 PM – 2:00 PM	Invited I	Fabricio Medina-Bolivar Arkansas State University Hairy Root Culture: A Sustainable Approach for High-level Production of Bioactive Compounds
2:00 PM – 2:20 PM	Invited II	B.K. Biswas Fort Valley State University, USA Enhancing Health Benefits: Investigating Brix% of Specialty Crops
2:20 PM – 2:35 PM	Oral I	Poonam Khatri Fort Valley State University, USA Silicon Priming and <i>in vitro</i> Morphology Improvement of Three Medicinal <i>Scutellaria</i> spp.
2:35 PM – 2:50 PM	Oral II	Sramika Rijal Fort Valley State University, USA Sterilization, Explant Selection, and Media Optimization for the Micropropagation of Highly Nutraceutical Aronia spp.
2:50 PM – 3:10 PM	Coffee Break	
	Session IV	Hemp and Medical Cannabis
	Chair	Diana Roopchand Rutgers University, USA
	Co-chair	Aruna Weerasooriya Prairie View A&M University, USA
3:10 PM – 3:40 PM	Keynote	Wesley M. Raup-Konsavage Penn State University, USA Antinociceptive Effects of Cannabichromene in Animal Pain Models
3:40 PM – 4:00 PM	Invited I	Abdul Khan University of Houston, USA Microbiome Diversity of Industrial Hemp CBD and Fiber Genotypes
4:00 PM – 4:20 PM	Invited II	Michael Gutensohn West Virginia University, USA Regulation of the Cannabinoid and Terpene Metabolic Network in Industrial Hemp (<i>Cannabis sativa</i>)
4:20 PM – 4:35 PM	Oral I	Manohar Chakrabarti University of Texas Rio Grande Valley, USA Early Sex-determination in Hemp using Transcriptomic Analysis
4:35 PM – 4:50 PM	Oral II	To be selected from the submitted abstracts
5:00 PM – 7:00 PM	Poster Presentation & Dr. Cassandra Quave (Book Signing)	

Day 3: October 20, 2023 (Friday)

West Virginia State University Campus

Registration and sessions V-VIII: Davis Fine Arts (Building 8 on the map)

Lunch: Wilson Student Union (Building 5 on the map)

Gala Dinner: Wilson Student Union (Building 5 on the map)

8:00 AM – 8:30 AM	Registration	
	Session V	Bioactive Compounds of Plants and Their Roles in Human Health I – Cancer
	Chair	Gerald Hankins West Virginia State University, USA
	Co-chair	Anait S. Levenson Long Island University, USA
8:30 AM – 9:00 AM	Keynote	Gary O. Rankin Marshall University, USA Searching Nature for the Cure
9:00 AM – 9:20 AM	Invited I	Yuan Yuan (Rose) Li University of Maryland, USA Soy Isoflavone Genistein Reboots Targeted Therapy Sensitivity in Triple Negative Breast Cancer
9:20 AM – 9:40 AM	Invited II	Anait S. Levenson Long Island University, USA Current Advances of Dietary Stilbenes as Targeted Anticancer Agents for Cancer Prevention and Therapy
9:40 AM – 9:55 AM	Oral I	Yi Charlie Chen West Virginia Wesleyan College, USA The Bioactive Natural Compound, Theaflavin and Cancer
9:55 AM – 10:10 AM	Oral II	Tamer E. Fandy University of Charleston TET Enzymes are Novel Epigenetic Target for Curcuminoids in Leukemia Cells
10:10 AM – 10:30 AM	Coffee Break	
	Session VI	Bioactive Compounds of Plants and Their Roles in Human Health II – Inflammatory Diseases and Beyond (IV)
	Chair	Andrea Doseff Michigan State University, USA
	Co-chair	Jeremy Johnson University of Illinois at Chicago, USA
10:30 AM – 11:00 AM	Keynote	Jan Claesen Cleveland Clinic Lerner College of Medicine, USA Gut Microbial Metabolism of Dietary Polyphenols in Health and Disease
11:00 AM – 11:20 AM	Invited I	Chendil Damodaran Texas A&M University, USA Dietary Intervention of Castration-resistant Prostate Cancer
11:20 AM – 11:40 AM	Invited II	Andrea Doseff Michigan State University, USA

		Flavone Apigenin Triggers Transcriptome Reprogramming Reducing Inflammation through Its Association with Novel Protein Target
11:40 AM – 11:55 AM	Oral I	Samantha D. Belcher West Virginia State University, USA Dietary Curcumin Intake and Its Effects on the Transcriptome and Metabolome of <i>Drosophila melanogaster</i>
11:55 AM – 12:10 PM	Oral II	To be selected from the submitted abstracts
12:10 PM – 2:00 PM	Lunch/ Panel Discussion (USDA) Dr. Venu (Kal) Kalavacharla (USDA-NIFA)	
	Session VII	Plant and Algae Derived Cosmeceuticals and Nutraceuticals
	Chair	Alok Arun Interamerican University of Puerto Rico – Barranquitas, Puerto Rico
	Co-chair	Eyas Mahmoud West Virginia State University, USA
2:00 PM – 2:30 PM	Keynote	Ira "Ike" Levine Algae Foundation, University of Southern Maine, USA Take a Deep Breath and Thank the Algae
2:30 PM – 2:50 PM	Invited I	Umesh Reddy West Virginia State University, USA Exploration into Natural Variation Associated with Nutraceuticals and Cosmeceuticals in <i>Capsicum chinense</i>
2:50 PM – 3:10 PM	Invited II	Thomas H Terrill Fort Valley State University Research on Nutraceutical Properties on Sericea Lespedeza by the American Consortium for Small Ruminant Parasite Control
3:10 PM – 3:25 PM	Oral I	To be selected from the submitted abstracts
3:25 PM – 3:40 PM	Oral II	Gaurav Gajurel Arkansas State University, USA Production of a Prenylated Stilbene-rich Extract from Elicited Hairy Root Cultures of Peanut and Assessment of its Bioactivities for Human Health Applications
3:40 PM – 4:00 PM	Coffee Break	
	Session VIII	Plant-based Antimicrobials
	Chair	Rao Mentreddy Alabama A&M University, USA
	Co-chair	Padma Nimmakayala West Virginia State University, USA
4:00 PM – 4:30 PM	Keynote	Keita Kadiatou Yale University, USA Bioactive Components of Medicinal Plants and Their Effects on Antibiotic-resistant Human Pathogenic Bacteria
4:30 PM – 4:50 PM	Invited I	Vagner A. Bedito West Virginia University, USA The Biosynthesis and Regulation of the Anti-malarial Artemisinin in <i>Artemisia annua</i> (Asteraceae)

4:50 PM – 5:10 PM	Invited II	Venugopal Mendu Montana State University, USA Wildflower Extract Inhibits the Growth of Gram-positive Wound Pathogens
5:10 PM – 5:25 PM	Oral I	Rao Mentreddy Alabama A&M University, USA Variation among <i>Ocimum</i> species for antimicrobial activity against <i>Escherichia coli</i> and <i>Streptococcus pyogenes</i>
5:25 PM – 5:40 PM	Oral II	To be selected from the submitted abstracts
6:30 PM – 8:00 PM	Closing Ceremony (Gala Dinner) and Awards History of ACMAP, Anand Yadav Chair & Co-chair (ACMAP Conference 2023) Executive Editor, JMAP President, ACMAP Executive Director, ACMAP Awards	

Day 4: October 21, 2023 (Saturday)

West Virginia State University Campus

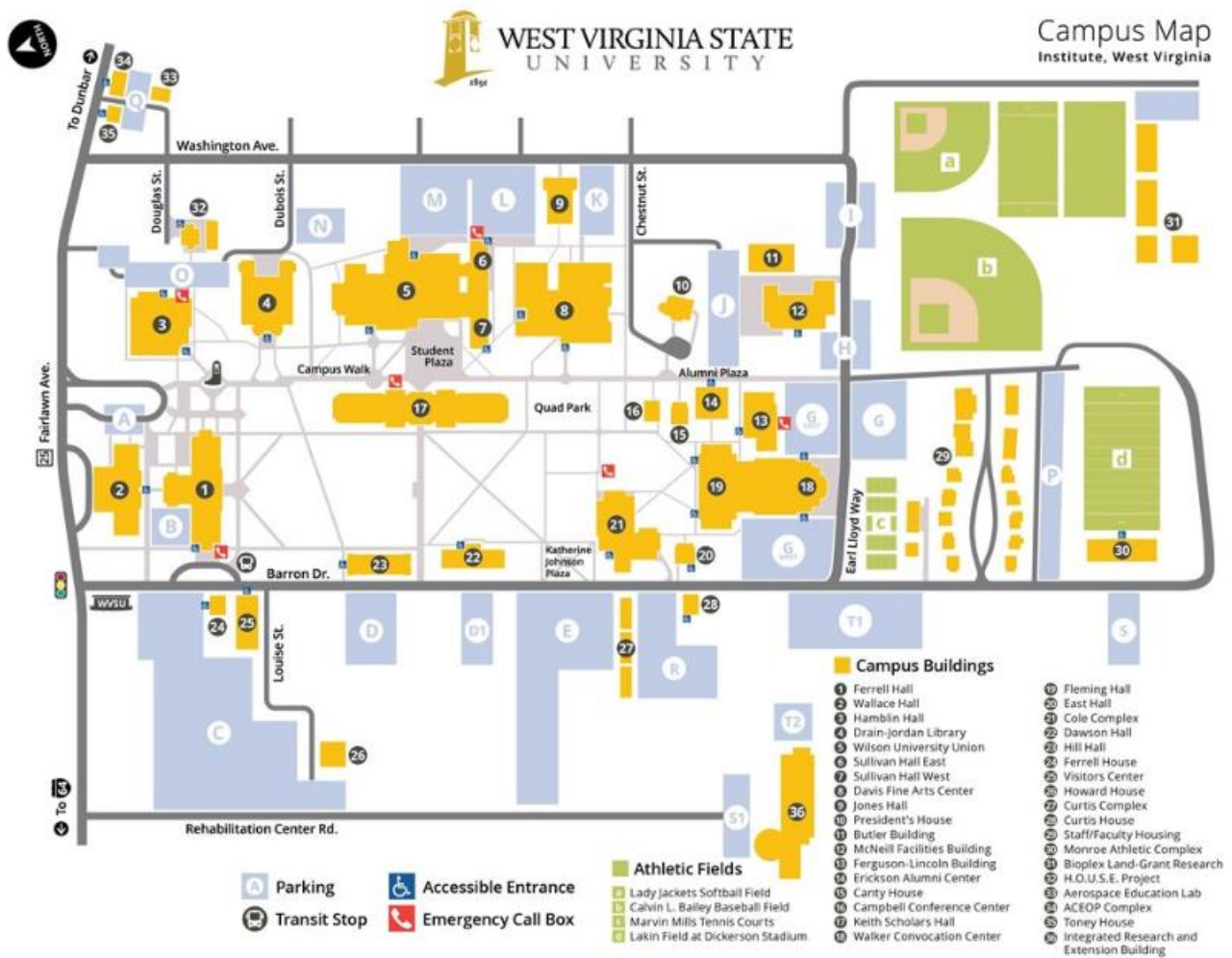
9:00 AM – 10:30 AM	Tour The Medicinal Plants of Kanawha State Forest (Pre-registration required)

West Virginia State University

Campus Map

<https://www.wvstateu.edu/about/campus-map.aspx>

Parking is available in lots L, M, N, and K during the conference. A parking pass is not required.



Click on map image to enlarge.