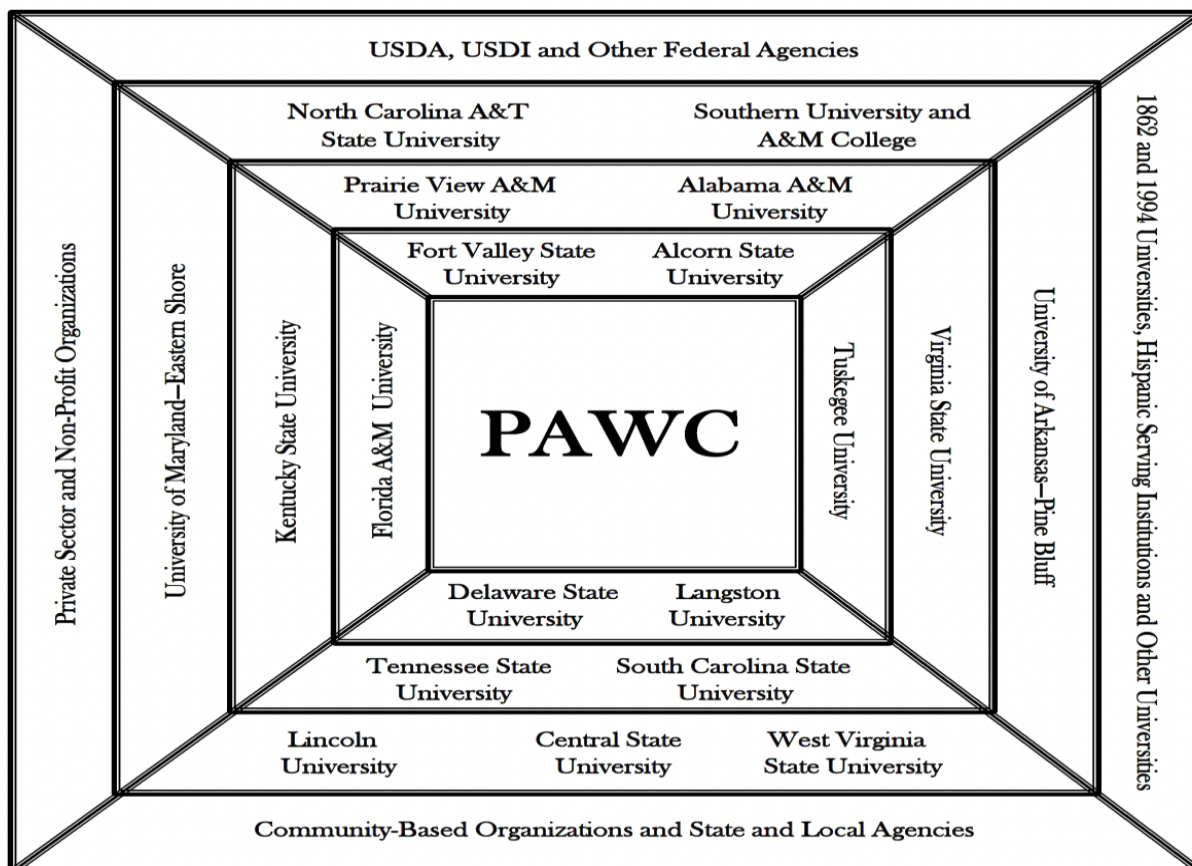


PAWC VISION AND MISSION STATEMENTS



Vision

The Professional Agricultural Workers Conference (PAWC) is a forum committed to a world that values and promotes equal opportunity and equitable access to information and technology for the sustainable development of communities and natural resources.

Mission

To enhance the skills and contributions of agricultural and related professionals (business, government, university, and community professionals) involved in discovering, disseminating, and using emerging technologies, information, problem-solving, policy

formulation, and strategy development for advancing people and communities.

LET'S CONNECT!



The 83rd PAWC will be using WHOVA as the official mobile app. Use the WhoVa app to plan your conference experience, stay updated on the latest news, view summaries of each presentation, view your schedule, submit evaluations, ask questions, and more!

Instructions for Connecting to the WhoVa App!

1. Download the WHOVA app from the App Store
2. Enter the email address you used for event registration
3. Create a password and type in your name
4. Create an account if needed
5. Click on the link that was provided or search for the 83rd Professional Agricultural Workers Conference (PAWC)
6. Create or edit your profile. You will be able to connect with other participants via the app.



NETWORK: RENAISSANCE

PASSWORD: PAWC2025

PAWC Bus Schedule



November 16-18, 2025

Sunday, November 16, 2025

	From:	To:	Departure Time
1	Renaissance Montgomery Convention Center	Tuskegee University Kenny Hall	7:00 AM
	Tuskegee University Kenny Hall	Renaissance Montgomery Convention Center	9:00 AM
2	Renaissance Montgomery Convention Center	Tuskegee University Kenny Hall	11:00 AM
	Tuskegee University – BTW Monument	Renaissance Montgomery Convention Center	2:30 PM
3	Renaissance Montgomery Convention Center	Tuskegee University- Monument	3:30 PM
	Tuskegee University BTW Monument	Renaissance Montgomery Convention Center	5:00 PM
4	Renaissance Montgomery Convention Center	Tuskegee University BTW Monument	9:00 PM

Monday, November 17, 2025

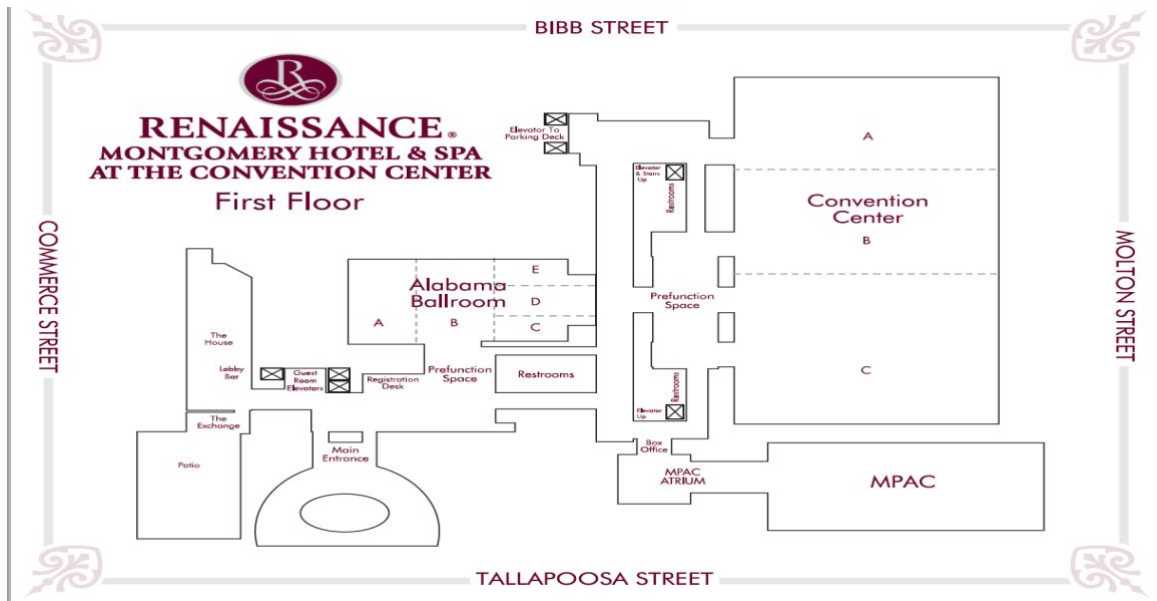
	From:	To:	Departure Time
1	Tuskegee University BTW Monument	Renaissance Montgomery Convention Center	6:30 AM
	Renaissance Montgomery Convention Center	Tuskegee University BTW Monument	1:00 PM
2	Tuskegee University – BTW Monument	Renaissance Montgomery Convention Center	2:00 PM
	Renaissance Montgomery Convention Center	Tuskegee University -BTW Monument	5:30 PM
3	Renaissance Montgomery –	Tuskegee University – BTW Monument	10:30 PM

Tuesday, November 18, 2025

	From:	To:	Departure Time
1	Tuskegee University BTW Monument	Renaissance Montgomery Convention Center	6:30 AM
	Renaissance Montgomery Convention Center	Tuskegee University- BTW Monument	2:30 PM
2	Tuskegee University – BTW Monument	Renaissance Montgomery	4:00 PM
	Renaissance Montgomery	Tuskegee University - BTW	9:00 PM

RENAISSANCE MONTGOMERY HOTEL & SPA AT CONVENTION CENTER

First Floor



Second Floor



EXPLORE MONTGOMERY & TUSKEGEE

Visit Tuskegee University's Historic Campus!

Please note that all visitors must register with the campus police department to access the campus. Utilize the following link to obtain a visitor's pass.

<https://www.tuskegee.edu/police/index.html>



Experience African American History at the Legacy Museum, the National Memorial for Peace and Justice, and the Freedom Monument Sculpture Park!

Utilize the following link to purchase tickets.

<https://legacysites.eji.org>



Discover Hidden Gems in Tuskegee by Trolley Car!

Utilize the following link to purchase tickets.

www.tuskegeehistorictours.com



AgTech Hackathon@Tuskegee University

November 14 – 16, 2025

DAY 1: Kickoff & Ideation (Friday, November 14)

Time	Activity	Details
4:00 PM	Registration Opens	Check-in, name badges, refreshments
5:00 PM	Welcome & Opening Ceremony	Remarks from the Dean of CAENS
5:10 PM	Hackathon Kick-off	Review guidelines, judging criteria, and theme overview
6:00 PM	Team Pitches	Participants' introduction, and each team merges.
7:00 PM	Hacking Starts	Teams begin planning and prototyping.
8:00 PM	Coaches Check-in	Mentors rotate to provide feedback
8:30 PM	Hacking ends	Transportation from the University to the Hotel

DAY 2: Build, Learn, and Iterate (Saturday, November 15)

Time	Activity	Details
8:00 AM	Arrive to begin Hacking	Breakfast snacks available
9:00 AM	Workshop 1 – Coding workshop	Python, Machine Learning, Deep Learning, GitHub – Nick and Erin from Bayer -Virtual
10:00 AM	Hacking Continues	Teams refine their solutions
12:30 PM	Working Lunch	
1:30 PM	Hackathon Break – Tech Showcase	Displays of drones, sensors, & Ag robotics- Dr. Bernard
2:30 PM	Hackathon resumes	
6:00 PM	Dinner break	
7:00 PM	Continue Hacking	
8:00 PM	Speaker	Richard Chungong, Founder/Owner Produce Matrix and Dash In Between Creative Agency Affiliation: Kansas Black Farmers Association

DAY 3: Present Demos & Celebrate (Sunday, November 16)

Time	Activity	Details
8:00 AM	Travel to the University	Dr. Bernard assists with transportation
8:30 AM	Teams finalize deliverables	Hacking ends
9:00 AM	Final project submission	Link for submission to be provided
9:30 AM	Final showcase/ presentation begins	10mins per team + Q&A
12:00 PM	Lunch + Judging Deliberation	

SATURDAY, NOVEMBER 15, 2025
AGENDA AT A GLANCE

TIME	ACTIVITY	LOCATION
8:00 am - 9:00 pm	Ag Tech Hackathon	Tuskegee University – Campbell Hall
1:30 pm – 8:00 pm	TAPS High School Program	Tuskegee University – Henderson Hall
5:00 pm – 8:00 pm	PAWC Help Desk	Renaissance - Montgomery CC Registration Booth
5:00 pm – 8:00 pm	Exhibit Setup	Renaissance - Montgomery Concourse All
6:00 pm – 9:00 pm	PAWC General Registration	Renaissance - Montgomery CC Registration Booth

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SUNDAY, NOVEMBER 16, 2025

AGENDA AT A GLANCE

TIME	ACTIVITY	LOCATION
7:30 am – 8:30 am	GSD Student Competition Check-In & Continental Breakfast	Tuskegee University- Kenny Hall
7:30 am – 11:00 am	PAWC Conference Registration	Tuskegee University – Kenny Hall
8:00 am – 1:00 pm	2025 Global Agriculture & Agribusiness Case Study Competition	Tuskegee University – Kenny Hall
8:00 am – 1:00 pm	AgTech HACKATHON	Tuskegee University – Campbell Hall
9:00 am – 4:00 pm	Tomorrow’s Agricultural Professional Symposium - High School Program	Tuskegee University – Henderson Hall
9:00 am – 12:00 pm	PAWC Exhibit Setup	Renaissance Montgomery Concourse All
9:00 am – 12:00 pm	GSD Student Competition Part I	Tuskegee University Kenny Hall
10:00 am – 4:00 pm	Legacy Museum & National Memorial for Peace and Justice Tour (on your own) https://legacysites.eji.org	EJI- Montgomery
11:00 am – 4:30 pm	Tomorrow’s Agricultural Professional Symposium – Collegiate	Tuskegee University – Henderson Hall
12:00 pm – 12:45 pm	GSD Student Competition Lunch	Tuskegee University Kenny Hall
1:00 pm – 4:00 pm	GSD Student Competition Part II	Tuskegee University Kenny Hall
1:00 pm – 3:00 pm	Exhibit Setup	Renaissance Montgomery Concourse ALL
1:00 pm – 3:00 pm	Tuskegee Historic Tours (on your own) Tickets can be purchased directly at https://www.tuskegeehistorictours.com	Tuskegee, AL
2:00 pm – 6:00 pm	PAWC Registration & Help Desk	Renaissance Montgomery CC Registration Booth
3:00 pm – 6:30 pm	PAWC Exhibit Hall Opens	Renaissance Montgomery
6:30 pm – 9:00 pm	83 rd PAWC Opening Banquet	Renaissance Montgomery Exhibit Hall A
9:00 pm – 11:30 pm	PAWC Professional Meet & Greet	Hospitality Suite

MONDAY, NOVEMBER 17, 2025

AGENDA AT A GLANCE

TIME	ACTIVITY	LOCATION
7:00 am – 12:00 pm	PAWC Registration	Convention Center Registration Booth
7:00 am – 12:00 pm	PAWC Help Desk	Convention Center Registration Booth
7:00 am – 8:00 am	Breakfast	Exhibit Hall A
8:00 am – 9:30 am	83 rd PAWC Opening Session	Exhibit Hall A
9:30 am – 10:00 am	Break & Visit with Exhibitors	Exhibit Hall Foyer
10:00 am – 12:00 pm	Concurrent Sessions I	See Below
Session 1	Everyday Plant – Powered Living	Montgomery 5
Session 2	Strategies for Writing & Submitting a Winning Grant Proposal	Montgomery 7
Session 3	Restoring Alabama's Black Belt Prairie Landscapes	Riverview 1
Session 4	Heirs Property – Ethics & Outreach	Riverview 2
Session 5	Innovations in Plant Science & Regenerative Practices	Riverview 3
Session 6	Digital Technologies & Machine Learning Applications in Agriculture & Food Science	Riverview 4
Session 7	Agroforestry Practices for Sustainable Production	Riverview 5
Session 8	Investing in Our Youth on and Off the Farm	Riverview 7
12:00 pm – 1:45 pm	L.A. Potts Success Stories Recognition	Exhibit Hall A
2:00 pm – 3:00 pm	Professional Poster Setup	Alabama B, C, & D
2:00 pm – 4:00 pm	Concurrent Sessions II	See Below
Session 9	B.A.D.D.I.E Over 40 TM : Midlife Women's Wellness	Montgomery 5
Session 10	From Concept to Reality: Innovations on the Ground	Montgomery 7
Session 11	Program & Policy Updates & Strategies for Navigating in Today's Economy	Riverview 1
Session 12	Programs and Support for Farmers & Community-Based Organizations	Riverview 2
Session 13	Cooperative Marketing of Livestock (Beef & Goat) in the Southeast	Riverview 3
Session 14	Research in Plant and Soil Science	Riverview 4

Session 15	Feeding a Growing World	Riverview 5
Session 16	Protecting our Environment & Land Conservation Strategies	Riverview 6
Session 17	Heirs Property: Research and Outreach	Riverview 7
2:00 pm – 5:00 pm	PAWC Registration	CC Registration Desk
3:00 pm – 6:00 pm	PAWC Help Desk	CC Registration Desk
4:00 pm – 5:30 pm	Professional Poster Reception & Visit with the Exhibitors	Alabama B,C,D
6:30 pm – 9:00 pm	PAWC Local Business Spotlight Reception aboard the Harriott II Riverboat (Pre-registration required & limited to ticketed guests)	255 Commerce Street Montgomery AL (across from the Renaissance)
9:00 pm – 11:00 pm	Student Networking Session Hosted by GWC MANRRS Chapter	Alabama B C, D
9:00 pm – 11:30 pm	Meet the PAWC Advisory Board Networking Session	Hospitality Suite

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MONDAY, NOVEMBER 17, 2025

7:00 am – 12:00 pm **PAWC Registration & Help Desk – *CC Registration Booth***

7:00 am – 8:00 am **Breakfast – *Exhibit Hall A***

Breakfast will end promptly at 8:00 am

8:00 am – 9:30 am **83rd PAWC Opening Session – *Exhibit Hall A***

Presiding: Lonnie Hobbs Jr., Kansas State University

Invocation: Iris Cole-Crosby, University of Arkansas Pine Bluff

Greetings & Welcome from Tuskegee University

Olga Bolden-Tiller, Tuskegee University

Greetings & Welcome from PAWC Advisory Board

John Williams, PAWC Advisory Board Chair

**Part I: Strengthening Our Legacy & Cultivating a New Era
in Farming with Adrian Nelson, Nelson & Sons Farm**

Moderated by Olga Bolden-Tiller, Tuskegee University

Olga Bolden-Tiller, Tuskegee University

Part II: The National Policy Research Center Update

Dr. Eloris Speight, National Policy Research Center

Remarks & Recognition of Sponsors from PAWC Co-Chair

Tasha Hargrove, Tuskegee University

9:30 am – 10:00 am **Coffee Break & Visit with Exhibits – *Concourse All***

10:00 am – 12:00 pm **Concurrent Sessions I**

CONCURRENT SESSION I

SESSION #	MEETING ROOM	TITLE
1	Montgomery 5	Plant – Everyday Plant Powered Living
2	Montgomery 7	Strategies for Writing & Submitting a Winning Grant Proposal
3	Riverview 1	Restoring Alabama’s Black Belt Prairie Grass Landscapes
4	Riverview 2	Heirs Property – Ethics and Outreach
5	Riverview 3	Innovations in Plant Science & Regenerative and Sustainable Practices
6	Riverview 4	Digital Technologies and Machine Learning Applications in Agriculture and Food System
7	Riverview 5	Agroforestry Practices for Sustainable Production, Resilient Environment, and Rural Food and Financial Security
8	Riverview 7	Investing in our Youth on and off the Farm

SESSION 1: EVERYDAY PLANT-POWERED LIVING

Meeting Room - MONTGOMERY 5

Moderator: Kendy Alvarez, Mayor of Lewisburg, PA

Presenter: Fiona Lewis, LLBJ Culinary & Wellness Enterprises, LLC

Description:

This engaging workshop introduces the fundamentals of plant-based nutrition and lifestyle wellness. Participants will discover how to create easy, affordable, and nourishing meals using whole, seasonal ingredients—perfect for busy schedules and budget-conscious eaters.

SESSION 2: STRATEGIES FOR WRITING & SUBMITTING A WINNING GRANT PROPOSAL

Meeting Room - MONTGOMERY 7

Moderator: Nadine Jackson, Virginia State University

Part A: Understanding the Grant Submission Process (60 minutes)

Presenters: Denis Ebodaghe¹, Nadine Jackson², & Sheree Lesch³

¹ Virginia State University – Small Farm Outreach Program & Retired USDA -National Institute of Food and Agriculture (NIFA), ² Nadine Jackson, Virginia State University – Small Farm Outreach Program, & ³Sheree Lesch, Virginia State University – Retired USDA Grants Management

Part B: Growing Stronger Proposals: Strengthening Grant Proposals – Through Innovation & Impact (60 minutes)

Presenters: Shannon Coleman¹, Christine Strohm², and Angela Walla²

¹Alabama A & M University and ²Texas Tech University

SESSION 3: RESTORING ALABAMA’S BLACK BELT PRAIRIE LANDSCAPES

Meeting Room - RIVERVIEW 1

Moderators: Ashunti Johnson, Tuskegee University & Harli Willis, Alabama Soil & Water Conservation Committee

Presenters:

- ***Al Schotz, Botanist/Ecologist, Auburn University*** - Dr. Al Schotz is responsible for the development and oversight, as well as the analysis and dissemination of information of the botanical and natural community for the Natural Heritage Program at Auburn University.
- ***Claude Jenkins, Senior Biologist, Alabama Wildlife Federation*** - Claude Jenkins serves as the senior biologist for Alabama Wildlife Federation, assisting landowners in protecting wildlife habitats in the Black Belt Region.
- ***Christopher Joe, Landowner*** - Christopher Joe is an entrepreneur and landowner in the Black Belt Prairie, with extensive knowledge in the field of natural resources. He is very familiar with the Black Belt Prairie Initiative's mission and conservation practices involved in renewing native prairies.

SESSION 4: HEIRS PROPERTY ETHICS & OUTREACH

Meeting Room - RIVERVIEW 2

Moderator: Kara Woods, National Policy Research Center

Description:

Heirs property, land transferred without the benefit of a probated will, incurs numerous challenges due to its undivided co-tenancy of ownership. Despite recent legislation, such as the Uniform Partition of Heirs Property Act (UPHPA), there are still impediments to the use of heirs property that impact personal and family wealth creation and local community development. This Panel examines questions of ethics in terms of how research is used and open to the public, as well as how heirs property practitioners, researchers, and lawyers interact with those with heirs property challenges.

**SESSION 5: INNOVATIONS IN PLANT SCIENCE & REGENERATIVE AND
SUSTAINABLE PRACTICES**

Meeting Room - *RIVERVIEW 3*

Moderator: Billie Grant, Tuskegee University

Presenters:

- **Seasonal Variations in Greenhouse Gas Fluxes from Soil in an Alley Cropping System- (20 minutes)**
Rumita Sanwa Limbu¹, L. Karki^{1,2}, & D. Gurung³. ¹Department of Agriculture, Food and Resource Sciences, ²UMES Extension, University of Maryland Eastern Shore. ³Department of Food and Resource Economics, University of Florida
- **Effect of Shade Inside a Wiregrass Tunnel House on the Yield of Cucumbers(*Cucumis sativus* (L)) and Selected Environmental Parameters (20 minutes)**
Victor Khan^{1,2}, Billie Grant¹, George Hunter¹, Edward Sparks², Jeffrey Moore¹, J. Currington³, J. Currington III³, and Russell Johnson, Sr.²
¹Tuskegee Extension Cooperative, Tuskegee University, ²George Washington Carver Agricultural Experiment Station, Tuskegee University, ³Currington Associates.
- **Yield Response of Container-Grown Parthenocarpic and Open-Pollinated Varieties of Cucumbers (*Cucumis sativus* (L.)) – (20 minutes)**
Donald Carter III¹, McKenzie Carter¹, George Hunter¹, Justin Tate¹, Billie Grant¹, C. Moorer², S. Woodley², Edward Sparks³, Russell Johnson³, and Victor Khan^{1,3}
¹Tuskegee University Extension Service, ²Community Service Leaders, Camden and Mt. Willin, AL, ³G.W.C. Agricultural Experiment Station, Tuskegee University
- **Response of Three Varieties of Okra (*Abelmoschus esculentus* (L) Moench) Grown in Containers (20 minutes)**
K. Underwood;¹ J. Peterson², D. Barnett², P. Barnett², J. Kynard³, A. Benison⁴, George Hunter¹, Justin Tate¹, Billie Grant¹, c. Moorer², S. Woodley², Edward Sparks³, Russell Johnson³, and Victor Khan^{1,3}
¹Tuskegee University Cooperative Extension Program, ²Community Service Leaders, Camden and Mt. Willin, AL, ³G.W.C. Agricultural Experiment Station, Tuskegee University
- **Response of Five Varieties of Collards (*Brassica oleracea* (L) var. *acephala* (DC) Grown on Mulched Soil in a Wiregrass Tunnel House (20 minutes)**
George Hunter¹, Edward Sparks², Billie Grant¹, Jeffrey Moore¹, J. Currington³, J. Currington III³, R. Johnson² Sr. and Victor Khan^{1,3}
¹Tuskegee Extension Cooperative, Tuskegee University, ²George Washington Carver Agricultural Experiment Station, Tuskegee University, ³Currington Associates

Session 6: Digital Technologies and Machine Learning Applications in Agriculture and Food Systems

Meeting Room - RIVERVIEW 4

Moderator: Rui Chen, Tuskegee University

Presenters:

- **AI-Enabled Smart Agriculture: Multispectral Drones, Crop Phenotyping Robots, Field Diagnostics, and Crop Wizard Decision Support**
Gregory Bernard and Rajeev Menon, Tuskegee University
- **Agriculture 4 The Culture**
Richard Chungong, Produce Matrix and Dash In Between Creative Agency, Kansas Black Farmers Association
- **The Future of Livestock Management**
Zechariah Myrick and Steve Myrick, Livestock Technologies
- **Fused Intelligence™: Blending Human Expertise and AI to Build Culture, Brand, and Growth**
Robert Crowne, Founder, Culturefy, Inc.

Session 7: Agroforestry Practices for Sustainable Production, Resilient Environment, and Rural Food and Financial Security

Meeting Room - RIVERVIEW 5

Moderator: Uma Karki, Tuskegee University

Presenters:

- **Silvopasture For Resilient Environment and Sustainable Production System**
Uma Karki, Tuskegee University
- **Comparison Of Selected Environmental Parameters Between Silvopasture and Open Pasture Systems**
Arjun Acharya, Tuskegee University
- **Methane Emission And Immunological Response Of Hair Sheep Grazing Silvopasture Vs. Open Pasture**
Sagar Acharya, Tuskegee University
- **Agroforestry And Opportunities For Additional Income Streams For Landowners**
Colmore Christian, Alabama A & M University

- **Climate-resilient alley cropping of fruits and vegetables for rural food and financial security** - Lila Karki, University of Maryland Eastern Shore

Session 8: Investing in our Youth on and off the Farm

Meeting Room – *RIVERVIEW 7*

Moderator: Christopher Lemons, Eco-Paradigm & Gratitude Botanical Farms

Part A:

- **The College Choice Journey: Understanding College Decision Drivers Among High School Students Choosing Land Grant Institutions (20 minutes)**
Lonnie Hobbs, Jr., Zelia Wiley, & Madison Neal, Kansas State University
- **Leveraging Student Engagement Through Competitive Programming: A Case Study of Gamma Sigma Delta, The Honor Society of Agriculture, At Tuskegee University – (20 minutes)**
Lucy Asare-Baah, Marceline Egnin, Gregory, Bernard, Tasha Hargrove, & Olga Bolden-Tiller, Tuskegee University

Part B:

- **Youth Recidivism & Labor Support on Farms – (60 minutes)**

Panelists:

Charles Greenlea, Eco-Paradigm & G4 Farms
Treyveon Blanchard, Eco-Paradigm
Kwanz-Opp, Gangsta to Growers
Zieair Clinton – Gangsta to Growers & Eco-Paradigm

12:00 pm – 1:45 pm L.A. Potts Success Stories Luncheon – *Exhibit Hall A*

Presiding

Miles Robinson, Tuskegee University

Invocation

William Hodge, Tuskegee University

Welcome & Greetings

Raymon Shange, Tuskegee University

Lunch

Recognition of Success Stories

Barrett Vaughan, Tuskegee University

2:00 pm - 4:00 pm Concurrent Sessions II

Concurrent Sessions II

SESSION #	ROOM	TITLE
9	Montgomery 5	B.A.D.D.I.E Over 40™: Midlife Women's Wellness
10	Montgomery 7	From Concept to Realty Innovations on the Ground
11	Riverview 1	Program & Policy Updates & Analysis
12	Riverview 2	Programs for Farmers and Community-Based Organizations
13	Riverview 3	Cooperative Marketing of Livestock (Beef and Goat) in the Southeast
14	Riverview 4	Plant and Soil Science
15	Riverview 5	Feeding a Growing and Healthy World
16	Riverview 6	Protecting our Environment & Land Conservation Strategies
17	Riverview 7	Understanding Heir Property at the Community Level Part II

Session 9: B.A.D.D.I.E Over 40™: Midlife Women's Wellness

Meeting Room - MONTGOMERY 5

Moderator: Kendy Alvarez, Mayor of Lewisburg, PA

Presenter: Fiona Lewis, LLBJ Culinary & Wellness Enterprises, LLC

Description:

This specialized session focuses on how plant-based nutrition and lifestyle habits support women's health during the menopause transition and beyond. Grounded in real life—not restrictions—this workshop offers practical tools to manage energy, mood, hormones, and digestion with ease.

Session 10: From Concept to Reality: Innovations on the Ground

Meeting Room - MONTGOMERY 7

Moderator: Miles Robinson, Tuskegee University

Presenters:

- **Evaluating Drone Technology Training Effectiveness for Louisiana 4-H Extension Agents: A Pre-Post Assessment Study (20 Minutes)**
Benita Komunjeru, Louisiana State University
- **Redefining Urban Ag in the 21st Century**
James Brady, Omnigro & Moringatang-Con10u2farmL3c
- **FarmersClick: Connecting Students, Farmers through Agri-Tech**
Mel Dowdell, Willie Torrey, Sandra Adams, FarmersClick International LLC

Session 11: Program & Policy Updates: Strategies for Navigating Today's Economy

Meeting Room - *RIVERVIEW 1*

Moderator: Jennifer Howard, Rural Coalition

Presenters:

- **National Policy Research Center: Research Analyst Update**
Kara Woods, National Policy Research Center
- **Farm Loan Hangups: Strategies for a Successful Interaction with USDA Farm Service Agency**
Jose Ernesto Colon Villafane, Aaron Coote, Jermel Steele & Jennifer Howard; Rural Coalition
- **The Impact of Tariff and Trade on Black and Brown Farmers**
Quinton Gray, Gray and Associates

Session 12: On the Ground Support for Farmers and Community-Based Organizations

Meeting Room - *RIVERVIEW 2*

Moderator: Barrett Vaughan, Tuskegee University

- **RMA's Navigator Program (60 minutes)**
LaGrand Elliott, Chimere Hampton, Tiana Scurry & David Stephens, University of Arkansas System Division of Agriculture, Southern Risk Management Education
- **Innovations for More Effective Farmer Instruction and Learning (60 minutes)**
Joseph Hugh, Institute for Social and Economic Development (ISED)

Session 13: Cooperative Marketing of Livestock (Beef and Goat) in the Southeast

Meeting Room - *RIVERVIEW 3*

Moderator: Veronica Royal Tuskegee University

Presenters:

- **Marketing Beef Calves for Truckload Sales by an Alliance of Black Farmers**
Ralph Noble, South Carolina State University & Handy Kennedy
- **Eco-Resilience from Farm to Fork: Developing a Robust Mobile Meat Processing Network for the Value-Added Small Ruminant Industry in the Southeast**
Derris Burnett, Tuskegee University
- **Understanding Safety and Regulatory Aspects of Farm-Direct Processing and Marketing of Meat Products**
Clarissa Harris, Tuskegee University
- **Goat Myology: Increasing the Value of Goat Carcasses Through Muscle Profiling and Economic Analysis**
Maxwell Mkunga, Tuskegee University
- **Challenges And Opportunities In Goat Production and Marketing For Small-Scale Farmers in the United States**
Katuwal Raj Dharma¹, L. Karki^{1,2}, & E. Escobar^{1,2}
¹ Department of Agriculture, Food, and Resource Sciences, ²UMES Extension
University of Maryland Eastern Shore

Session 14: Research In Plant & Soil Science

Meeting Room - *Riverview 4*

Moderator: Desmond Mortley, Tuskegee University

Part A:

- **Evaluating Improved Tomato Varieties for Commercial Production under Controlled Cover Structures in Belize (20 minutes)**
Maximilliano Ortega & Daniel Juan, University of Belize
- **Growing Lotus for Edible Tubers & Ornamental Flowers (20 minutes)**
Changzhen Wang, Kentucky State University
- **Consumer Segment of Low-Carbon Greenhouse Tomatoes (20 minutes)**
Varziri Azita and Rui Chen, Tuskegee University

Part B: From Systems to Sustainability: Hydroponic Vegetable Production and Profitability (45 minutes)

- **Controlled Environment (Hydroponic) Vegetable Production**
Jeremy Pickens, Auburn University

- **Cost-Benefit Analysis of Cherry Tomato Production in a Medium-Sized Greenhouse: A Case Study**
Rui Chen, Tuskegee University

Session 15: Feeding a Growing World

Meeting Room - *RIVERVIEW 5*

Moderator: Jim Embry, Sustainable Communities Network

Part A

- **Future of Food: Engaging Agriculture and Education in the Protein Transition (60 minutes)**
Jeremy Eltz & Janie Butler, The Good Food Institute

Part B

- **Reimagining Rural Food Systems: The Black Belt Marketing and Innovation Center as a Catalyst for Regional Food System Development (20 minutes)**
Kenisha Gordon and Kristin Woods, Tuskegee University

Session 16: Protecting our Environment & Land Conservation Strategies

Meeting Room - *RIVERVIEW 6*

Moderator: Tej Gautam, Tuskegee University

- **Assessing The Detection and Distribution Of Per- And Polyfluoroalkyl Substances in the Lower Tallapoosa Sub-Basin**
Brianna Smith & Rashidah Farid-Tilghman², Tuskegee University
- **Integrating Land Use Planning to Preserve Working Landscapes**
Sam Cook, Society of American Foresters

Session 17: Heirs Property: Research and Outreach

Meeting Room - *RIVERVIEW 7*

Moderator: Folashade Adalumo-Ntam, Tuskegee University

Presenters:

- **Holding on to the Land: Heirs' Property Education and Impact in Urban and Rural North Carolina (20 minutes)**
Biswanath Dari.¹, Kurt Smith², Noah Ranells², Andrew Branan², Wykia Macon², Barbara Worley², Marcus William², Alyssa McKim³, Clarisse Owens², Terence Wood¹

¹North Carolina Agricultural and Technical State University, Greensboro, NC, ²North Carolina State University, Raleigh, NC

- **Overview of Current Research, Outreach, and Policy: Heirs Property Policy Initiatives**

Robert Zabawa, Tuskegee University

- 2:00 pm – 5:00 pm** PAWC Registration – **CC Registration Booth**
- 3:00 pm – 6:00 pm** PAWC Help Desk - **CC Registration Booth**
- 4:00 pm – 5:30 pm** Professional Poster Reception & Meet the PAWC Advisory Board
– **Alabama B, C, D**
- 6:30 pm – 9:00 pm** Local Business Spotlight Dinner Cruise aboard the Harriott II Riverboat (pre-registration required and limited to ticketed guests)
– **Harriott II Riverboat**
- 7:00 pm – 11:00 pm** PAWC Professional Networking Session – **Hospitality Suite**
- 8:00 pm – 11:00 pm** Rep Your University at the 83rd PAWC Boots on the Ground Networking Event – **Alabama B, C, D**

DRAFT

TUESDAY, NOVEMBER 18, 2025

AGENDA AT A GLANCE

TIME	ACTIVITY	LOCATION
7:00 am – 8:00 am	Breakfast	Exhibit Hall A
7:00 am – 12:00 pm	PAWC Registration	CC Registration Booth
8:00 am – 9:30 am	The John Brown Memorial Plenary Session	Exhibit Hall A
9:30 am – 10:00 am	Break & Visit with the Exhibitors	Exhibit Hall A
10:00 am – 12:00 pm	Concurrent Session III	See Below
Session 18	Voices in Agriculture: Innovative Programs from the Field	Montgomery 5
Session 19	Research & Outreach in Food, Nutrition, & Wellness	Riverview 1
Session 20	Strategies for Meat Processing	Riverview 2
Session 21	Silvopasture in the Southeastern United States: Exploring Opportunities, Challenges, and Adoption Potential	Riverview 3
Session 22	Strategies for Growing Local Economies, Farms, and Communities	Riverview 4
Session 23	Reimagining the 1890 & 1862 Land-Grant System	Riverview 5
Session 24	Organic Farming	Riverview 7
12:00 pm – 1:45 pm	Lunch on your own	Downtown Montgomery
12:00 pm – 1:30 pm	PAWC Advisory Board Meeting	Montgomery 7
1:00 pm – 2:00 pm	Exhibit Hall Closes & Breakdown	Exhibit Hall A
2:00 pm – 4:00 pm	Concurrent Session IV	See Below
Session 25	Animal Science	Riverview 1
Session 26	It's All About the Honey	Riverview 2
Session 27	Plant Science	Riverview 3
Session 28	Preconditioning of Beef Cattle Sustainable Management Practices	Riverview 4
Session 29	Financial Tools for Growing Your Wealth	Riverview 5
Session 30	Strategies for Growing Local Economies, Farms, & Communities	Riverview 7
4:15 pm – 5:15 pm	Special Screening	Exhibit Hall A

5:15 pm – 6:15 pm	PAWC Networking	Hospitality Suite
6:30 pm – 8:30 pm	George Washington Carver Public Service Hall of Fame Awards Banquet	Exhibit Hall A
9:00 pm – 11:30 pm	PAWC Networking Session	PAWC Hospitality Room

7:00 am – 8:00 am Breakfast- ***Exhibit Hall A***

****Breakfast will end promptly at 8:00 am****

7:00 am – 12:00 pm PAWC Registration – ***CC Registration Booth***

8:00 am – 9:30 am The John Brown Memorial Plenary Session – ***Exhibit Hall A***

Presiding: William Hodge, Tuskegee University

Part I: Remembering & Honoring the Legacy of Mr. John Brown, Jr.

Tasha Hargrove & Miles Robinson, Tuskegee University

Part II: Women Leading the Way

Moderator: Tasha Hargrove, Tuskegee University

Panelists:

- Kendy Alvarez, Mayor of Lewisburg, PA
- Dara Cooper, Co-founder of the national Black Food and Justice Alliance
- Zelia Wiley, Kansas State University
- Laren Rose Miller, Miller3Group

9:30 am – 10:00 am Coffee Break & Visit with the Exhibits– ***Exhibit Hall A***

10:00 am – 12:00 pm Concurrent Sessions III

SESSION #	ROOM	TITLE
18	Montgomery 5	Voices in Agriculture: Innovative Programs from the Field
19	Riverview 1	Food, Nutrition, and Wellness
20	Riverview 2	Strategies for Meat Processing
21	Riverview 3	Silvopasture in the Southeastern U.S.: Exploring Opportunities, Challenges, and Adoption Potential
22	Riverview 4	Strategies for growing Local Economies, Farms, & Communities
23	Riverview 3	Reimagining the HBCU and Land Grant System
24	Riverview 7	Organic Farming

Session 18: Voices in Agriculture: Innovative Programs from the Field

Meeting Room – *MONTGOMERY 5*

Moderator: Zelia Wiley, Kansas State University

Part A:

- **Voices in Agriculture: Digital Storytelling with CHFP Fellows (60 minutes)**
Lindsey Lunsford, Adrianna Cornie, and Keesha St.John, Tuskegee University

Part B:

- **Terra Madre Report Back: Black Farmers, Scholars & Students Connect in Italy! (30 minutes)**
Jim Embry, Sustainable Communities Network/Slow Food UISA
- **The Moses Project (30 minutes)**
Curtis Pitts, The Moses Project

Session 19: Research & Outreach in Food, Nutrition, & Wellness

Meeting Room – *RIVERVIEW 1*

Moderator: Norma Dawkins, Tuskegee University

Presenters:

- **Racial Disparities in Obstructive Sleep Apnea (OSA): The Role of Nutrition**
John Onuh, Tuskegee University & Ellis Morrow, Texas Southern University

- **The Journey: Individualized And Community Raised-Bed Gardening: An Innovative Approach to Access to Fresh Fruits and Vegetables in Alabama Black Belt Counties**
Norma L. Dawkins and Isabella Jiminez. Department of Food and Nutritional Sciences, Tuskegee University
- **Blueberries As A Dietary Intervention For Blood Pressure Control: Mechanistic Of A High-Fat Diet-Induced Obesity Model**
¹DAVID OPIRI, ²Jossy Onuoha, 2Dr. Chasity Bradford, ² John Onuh, ¹Dept. of Human Sciences, University of Arkansas at Pine Bluff, 2 Dept. of Biology, Tuskegee University
- **“This Beautiful Southland of Ours”: George Washington Carver’s Rural Health Agenda in the Alabama Black Belt**
Camille Goldmon, University of North Carolina- Chapel Hill

Session 20: Value-Added on the Farm

Meeting Room – RIVERVIEW 2

Moderator: Derris Barnett, Tuskegee University

Presenters:

- **What’s on the Plate? Consumer Voices on Beef Choices in Underserved Communities**
Imani Murphy and Clarissa Harris, Tuskegee University
- **Pasture Poultry & Backyard Processing: Practical Approaches for Small-Scale Farmers**
Alicia Jordan, Triple J Farm/Boots on the Farm Consulting LLC/Alabama State Association of Cooperatives
- **What is aquaculture?: Strategies for Growing Local Farms in the Black Belt**
Christopher Davis, USDA – Economic Research Service

Session 21: Silvopasture in the Southeastern U.S.: Exploring Opportunities, Challenges, and Adoption Potential

Meeting Room – RIVERVIEW 3

Moderator: George Hunter, Tuskegee University

Presenters: Tej Gautam¹, Uma Karki¹, Josha Idassi², Colmore Christian³, and Lila Karki⁴

¹Tuskegee University, ²South Carolina State University, University, ³Alabama A & M University, and ⁴University of Maryland Eastern Shore

Session 22: Strategies for Growing Local Economies, Farms, and Communities

Meeting Room - *RIVERVIEW 4*

Moderator: Christopher Lemons, Eco-Paradigm

Presenters:

- **Faith and Community-Based Organization Leading the Way to a Healthier, More Resilient Community (45 minutes)**
Bobby Wilson, Metro Atlanta Urban Farm
- **Perceptions of Black Producers Toward Their Role in United States Agriculture: A Q Methodology Study**
Courtney Brown¹ and Tania Peebles²
¹Oklahoma State University and ²Tuskegee University
- **The National Women in Agriculture Association: Evaluating the Contributions of US Chapter Leaders in Community Empowerment**
Liliane Poincon, Anita Anatharam, Marilyn Swisher, Kevin Ash, & Jorge Ruiz-Menjivar University of Florida
- **Making Visible Subjugated Knowledge in Co-op Theory and Practice**
Thomas Gray, USDA Rural Business-Cooperative Service

Session 23: Reimagining the 1862 and 1890 Land-Grant System & HBCUs

Meeting Room - *RIVERVIEW 5*

Moderator: Robert Zabawa, Tuskegee University

Presenters:

- **A Comparative Analysis of the Land-Grant System through a Structured Literature Review of the Morrill Acts of 1862 and 1890**
Aaron Golson, North Carolina A & T State University
- **Reimagining Ecological Education at HBCUs: Implementing the Four-Dimensional Ecology Education Framework**
Rashidah Farid-Tilghman¹ and Maheteme Gebremedhin²
¹Tuskegee University and ²Kentucky State University
- **Intersection of Solidarity Economics and Land Grant Institutions: How can land grant institutions participate in the solidarity economy of their communities?**
Reylan Cook & Dania Davy, A Safety Net for the Future of Village Farming

Session 24: Organic Farming

Meeting Room – *RIVERVIEW 7*

Moderator: Kokoasse Kpomblekou, Tuskegee University

Presenters:

- **Risk Management and Resource Utilization for Transitioning Organic Farmers in the United States**
Juan Carlos Rodriguez, Florida Organic Growers
- **Morphological Features of Mixed Cover Crops Biochar Produced at Three Pyrolysis Temperatures**
David Baah, Muhammad Irfan, Kokoassee Kpomblekou, Tuskegee University
- **Potential Effects of Biochar on Okra Yields and Nitrate Leaching in an Organic Fertilizer-Amended Soil**
Muhammad Irfan¹, Madlyn Milledge¹, Kokoassee Kpomblekou¹, & Franklin Quarcoo¹
¹College of Agriculture, Environment and Nutrition Sciences, Tuskegee University,
- **Organic Okra Production at Tuskegee University Organic Agriculture Institute Research Farm: Sustainable Practices for Community Food Security**
Ashmita Nath¹, Kokoassee Kpomblekou¹, and Franklin Quarcoo¹
¹ College of Agriculture, Environment and Nutrition Sciences, Tuskegee University

12:00 pm – 1:45 pm

Lunch on your own

12:00 pm – 1:30 pm

PAWC Advisory Board Lunch Meeting – *Montgomery 7*

1:00 pm – 2:00 pm

Exhibit Hall Closes & Breakdown – *Concourse All*

2:00 pm – 4:00 pm

Concurrent Session IV

SESSION #	MEETING ROOM	TITLE
25	Riverview 1	Research in Animal Science
26	Riverview 2	It's About the Honey
27	Riverview 3	Plant Science
28	Riverview 4	Preconditioning of Beef cattle- sustainable management practices
29	Riverview 5	Financial Tools for Growing Your Wealth

Session 25: Research in Animal Science

Meeting Room – *RIVERVIEW 1*

Moderator: Henry English, University of Arkansas at Pine Bluff

Presenters:

- **Evaluate the Diagnostic Accuracy of a Laser Methane Detector Against the Green Feed for On-farm Measurements of Greenhouse Gas Emissions from Meat Goats**
Hossam Ismael, Santosh Chaudhary, Mariline Hilaire, Vivian Kanyi, Heba Abdol, & Byeng Min, Tuskegee University
- **Post-Thaw Viability Assessment Of Buck Sperm Cryopreserved With Different Semen Extenders**
Raheem Davian Murray^{1*}, Olivia Chika Greenwood¹, Mustafa Hitit¹, Mustafa Bodu^{1,2}, Zeynep Erdogan¹, Muhammet Rasit Ugur³, Andres Pech Cervantes¹, Erdogan Memili¹

¹Cooperative Agricultural Research Center, College of Agriculture, Food, and Natural Resources, Prairie View A&M University, Prairie View, TX; ²Department of Reproduction and Artificial Insemination, Faculty of Veterinary Medicine, Selcuk University, Konya, Türkiye; ³Department of Reproduction and Artificial Insemination, Faculty of Veterinary Medicine, Selcuk University, Konya, Türkiye; IVF Michigan & Ohio Fertility Centers, Bloomfield Hills, MI
- **Implementing a Silvopastoral System (SPS) Model at the University of Belize Central Farm Campus: Towards Sustainable and Profitable Beef Cattle Production**
Daniel Juan & Maximillino Oretga, University of Belize
- **Enhancing Profits: Preconditioning Benefits for Small and Resource-Limited Cattle Producers**
Parshuram Rimal, B. Budha, & N. Gurung, Tuskegee University
- **Reproductive Performance of Straightbred Dexter And Crossbred Mashona X Dexter Heifers**
Emily Hayes¹, Janani Oates¹, Cevat Tartan¹, Heather Riggs¹, & Richard Browning, Jr¹, ¹Tennessee State University
- **Effect of Selenium Fertilization on Carotenoid and Glucosinolate Accumulation in Two Cress Varieties Grown Hydroponically**
A.O. Adeyeye¹, T. Nzaramyimana¹, & C. Teets¹, Kentucky State University,

Session 26: It's All About the Honey

Meeting Room – *RIVERVIEW 2*

Moderator: Kandi Williams, University of Arkansas at Pine Bluff

Presenters:

- **Beekeeping & Fortifying Pollinators 101**
Jim Embry, Sustainable Communities Network & Atrus Ballew Farm
- **Tuskegee Honey: Strategies for Success**

Jackie McArthur, Tuskegee Honey

Session 27: Plant Science

Meeting Room – RIVERVIEW 3

Moderator: Victor Khan, Tuskegee University

Presenters:

- **Integrated Farming for Sustainable Catfish and Leafy Green Production in Aquaponics Systems: Implications for Small-Scale Producers**
Kamal Gosh¹, Tremar Ivey,¹ Ander Compere¹, Sebastian Moreno¹ Isis Williams¹, Lenoard Kibet¹, Jovan Jones¹, Heaven Fontenet¹, and Jasmine Price¹
¹Department of Agriculture and Natural Resources, Langston University.
- **Sunn Hemp: Harvest Management and Genotype Effects on Sunn Hemp (*Crotalaria juncea* L.) Forage Characteristics as Cover Crop and Its Nutritive Values**
Min Byeng Ryel, Hilaire Marline, Ismael Hossaam, Chaudhary Santosh, Kanyi Vivian, Abdo Heba, & Gurung Nar, Tuskegee University
- **Efficacy of Biochar in Mitigating Soil Salinity and Enhancing Sunflower Production: Effects on Soil Physicochemical Properties, Ion Dynamics, and Crop Yield**
Muhammad Irfan, Gamal El Afandi, Santosh Sapkota, Amira Moustafa, and Salem Ibrahim, Tuskegee University
- **Yield of “Alamo” Turnips (*Brassica rapa* (L) var. (DC) Metzg. *Utilis*) Planted at Two Intra Row Spacing with One or Two Plants/Hill in Mulched Soil in a Wiregrass Tunnel House**
Justin Tate, Billie Grant, Tameka King, Edward Sparks, Jeffrey Moore, **Tuskegee University**, J. Currington, J. Currington II, **Currington Associates**, R. Johnson, Sr. and Victor Khan, **Tuskegee University**

Session 28: Preconditioning of Beef Cattle- Sustainable Management Practices

Meeting Room - RIVERVIEW 4

Moderator: Russell Johnson, Tuskegee University

Presenters:

- **Preconditioning Nutrition Practices**
Nar Kaji Gurung, Tuskegee University
- **Economic Benefits of Preconditioning for Small and Resource-Limited Cattle Producers**

Rimal Parshuram, Tuskegee University

- **Impact of Controlled Breeding on Management and Marketing of Pre-conditioned Calves**
Ralph Noble, South Carolina State University
- **Forage Systems for Backgrounding Beef Steers in the Southeastern USA**
Jose Dubeux, Jr., University of Florida
Leanne Dillard, Auburn University
- **Farmer's Perspectives on Preconditioning of Beef Calves**
Michel Fullenwider, Beef Producer

Session 29: Financial Tools for Growing Your Wealth

Meeting Room - *RIVERVIEW 5*

Moderator: Gwen Harris, Tuskegee University

Presenters:

- **Land & Liberation Through Valuation: How ROV Protects Legacy and Black Wealth in the \$106 Trillion Transfer**
Thaddaus Dawson, Jr., 10KBA Inc. & 10,000 Appraisers Foundation (10KAF)
- **Bitcoin and Agriculture: Growing Food, Energy, and Wealth for the Next Generation**
Rich Chungong, Dash In Between & Produce Matrix

4:15 pm – 5:30 pm Growing the Movement: Hip Hop Farmer Screening of the Pilot Episode & Conversation by Pickingreens Production + We Can Dig It & Refreshment Break – *Exhibit Hall A*



5:30 pm – 6:15 pm

PAWC Networking – *Hospitality Suite*

6:30 pm – 8:30 pm

**George Washington Carver Public Service Hall of Fame
Awards Dinner – *Exhibit Hall A***

**Presiding
Ron Howell, Virginia State University**

**Invocation
Ron Smith, Tuskegee University**

Dinner

**Presentation of GWC Award I and II
Robert Zabawa, Tuskegee University**

**Closing Comments
Olga Bolden-Tiller, Tuskegee University**

PROFESSIONAL POSTERS

1. Analysis of a Community Garden on a University Campus: Outcomes and Participant Benefits

Fiona Zhang, Flintridge, Sacred Heart Academy, Jon Phillips, Cal Poly Pomona, & Beth McCoy, Azusa Pacific University

2. Regulatory Environment, Market Structure, and Agricultural Insurance Development: Evidence from a Panel Threshold Regression Model

Rui Chen, Tuskegee University & Shisen Li, Shijazhuang Institute of Railway Technology, China

3. Beyond the Classroom: The Next Generation of Agribusiness Leaders

Tasha Hargrove, Antonio Hutchins, Allenson Denkins, Madison Eiland, Michael Hill, Austin Stokes, Cameron Dervin, Deinkepiribo Harry, Isabella Gates, Kirsten Hayes, Olivia Hutchinson, & William Johnson, Tuskegee University

4. Bridging the Digital Divide: FVSU Cooperative Extension's Pathways to Building a Digitally Resilient Georgia

Yolanda McFerrin and Terrence Wolfork, Fort Valley State University

5. Partnerships for Student Success: A Comparative Analysis of MANRRS Impact Across 1862 and 1890 Land Grant Institutions

Zelia Wiley, Lonnie Hobbs, Jr., Charles Carpenter III, & Selena Gilyot, Kansas State University

GAMMA SIGMA DELTA STUDENT COMPETITION

1. PLANT-BASED MEAT FORMULATIONS BASED ON LENTIL, WHEAT GLUTEN, SOY, AND PEA PROTEINS: RAW MATERIAL FUNCTIONAL PROPERTIES AND END PRODUCT QUALITY

BOWE, CAYDEN D¹, S. Sheikhezadeh² and S. Alavi²

¹Dept. of Food Science and Nutritional Sciences, Tuskegee University, Tuskegee, AL 36088. ²Dept. of Grain Science & Industry, Kansas State University, Manhattan, KS 66506

2. ONION PEEL EXTRACT REDUCES INTESTINAL SALMONELLA ENTERITIDIS COLONIZATION IN BROILER CHICKS

IWUOZO, ODINAKA C¹, H. Kang², and Y. Fasina¹. ¹Dept. of Animal Sciences, North Carolina A&T State University, Greensboro, NC 27411, ²Food and Nutritional Sciences, Department of Family and Consumer Sciences, North Carolina Agricultural and Technical State University, Greensboro, NC 27411

3. ANALYSIS OF LAND USE AND LAND COVER DYNAMICS THROUGH REMOTE SENSING IN THE BLACK BELT REGION OF ALABAMA, ALONG WITH RAINFALL VARIABILITY

IBRAHIM. SALEM¹, G. El Afandi, A. Moustafa, M. Irfan, R. Algendy, and S. Sapkota. Dept. of Agriculture and Environment Sciences, Tuskegee University, AL 36088, USA.

4. WEATHER-DRIVEN VARIABILITY IN PESTICIDE DRIFT DURING AERIAL APPLICATIONS IN MACON COUNTY, ALABAMA

MOUSTAFA, AMIRA, G. El Afandi, M. Ifan, and S. Ibrahim
Dept. of Agriculture and Environmental Sciences, Tuskegee University, AL 36088, USA.

5. ASSESSING LEARNING OUTCOMES OF HYDROPONICS INSTRUCTION AMONG UNDERGRADUATE STUDENTS PARTICIPATING IN A REEUSPONSORED INTERNSHIP

CARPENTER, CHARLES III¹, Z. Wiley², J. Cowan³, and L. Hobbs, Jr.⁴, ¹Kansas State University, ²Student and Staff Success Office, ²Entomology Department, ³Horticulture Natural Resources Department, ⁴Agricultural Economics Department, College of Agriculture, Kansas State University, Manhattan, KS 66502

6. ADVANCING DATA LITERACY THROUGH IMAGE CLASSIFICATION: A CNN CASE STUDY ON BUTTERFLIES

CHI, JENNIFER, and C. Nindo. Dept. of Agriculture, Food and Resource Sciences, University of Maryland Eastern Shore, Princess Anne, MD 21853

7. ROLES OF COLD PLASMA TREATMENT ON THE FUNCTIONAL PROPERTIES OF PLANT-BASED PROTEINS

AISHAT ADEJOH O, and John Onuh. Dept. of Food and Nutritional Sciences, Tuskegee University, 1200 W Montgomery Rd, Tuskegee, Alabama 36088.

- 8. EVALUATING FERMENTATION OUTCOMES IN NON-TRADITIONAL PRODUCE: SAFE PRACTICES FOR POST-HARVEST LOSS REDUCTION**
KOIRALA MOHAK¹, and S. Acharya². ¹Cooperative Research, Lincoln University, Missouri, 820 Chestnut Street, Jefferson City, MO 65101, ²Faculty Advisor, Cooperative Research, Lincoln University, Missouri, 820 Chestnut Street, Jefferson City, MO 65101
- 9. MICROALGAE - WHAT IS IT GOOD FOR? AN INTEGRATIVE ANALYSIS OF NUTRIENT REMOVAL AND BIOMASS ACCUMULATION IN ALGAL TURF SYSTEMS FOR AQUACULTURE PRACTICES**
MCKINLEY, KAYLA, and G. Ozbay. College of Agriculture, Science & Technology, Delaware State University, Dover, DE 19901
- 10. EXPLOITING GENOMIC VARIABILITY IN LISTERIA FOR THE DEVELOPMENT OF MOLECULAR DIAGNOSTIC MARKERS**
OSEI, VIONA, E., Kuufire, R. Nyarku, K. Bentum, T. James, A. Elrefaey, T. Samuel, and W. Abebe. Center for Food Animal Health, Food Safety and Defense, Dept. of Pathobiology, College of Veterinary Medicine, Tuskegee University, Tuskegee, AL, 36088.
- 11. SENSITIVITY OF DIMETHOMORPH, ETHABOXAM, MANDIPROPAMID, AND OXATHIPIPROLIN FUNGICIDES TO PHYTOPHTHORA CAPSICI IN MISSISSIPPI**
POPOOLA, ABDUL-LATEEF¹, Md. Aktaruzzaman² and Emran Ali¹. ¹Dept. of Agronomy and Biotech, Alcorn State University, MS, 39096; ²Dept. of Plant Pathology, University of Georgia, GA, 30602.
- 12. FOOD SECURITY AND COMMUNITY JUSTICE: EXPLORING THE LINKS BETWEEN CRIMINAL JUSTICE SYSTEMS AND EQUITABLE ACCESS TO FOOD**
JOHNSON, DESTNEY, and S. C. Hatter.
Dept. of Criminal Justice, Grambling State University, Grambling, LA 71245
- 13. APIGENINIDIN CHLORIDE (3-DA) DISRUPTS SPHINGOLIPID SYNTHESIS OF *TOXOPLASMA GONDII***
MOON, MIYA J.¹, and Daniel A. Abugri².
¹Dept. of Biological Sciences, Alabama State University, Montgomery, AL 36104
- 14. PROTECTING SMALL FARMS AND BUSINESSES: EVIDENCE ON INSURANCE ADEQUACY AND PREMIUM BURDEN FROM HURRICANE-AFFECTED COMMUNITIES**
ODEYOMI, OMOWUNMI, and G. Ejimakor.
Dept. of Agribusiness & Applied Economics, North Carolina A&T State University
- 15. SOCIO-DEMOGRAPHIC PREDICTORS IN PARTICIPATION OF HEIRS' PROPERTY EDUCATION**
KHADKA, RAKSHA¹, L. Karki^{1, 2}, P. Bhandari², and N. Cook².
¹Dept. of Agriculture, Food and Resource Sciences, ²UMES Extension, University of Maryland Eastern Shore

- 16. THE IMPACT OF BREXIT ON U.S.–U.K. AGRICULTURAL TRADE RELATIONS**
GIBBS, KENDALL D., JR., and D. Adu.
College of Agriculture and Applied Sciences, Alcorn State University, Lorman, MS 39096
- 17. MAPPING FOOD ACCESS IN EAST BATON ROUGE PARISH: A NETWORK-BASED GIS ASSESSMENT OF GROCERY AND HEALTHY CORNER STORES PROXIMITY**
GYAN, DORCAS TWUMWAA¹, E. Dadzie², and K. Annan².
^{1,2}Dept. of Urban Forestry, Environment and Natural Resources, Southern University and A&M College, Baton Rouge, LA 70813
- 18. FRUIT TREES AS TOOLS FOR ENVIRONMENTAL JUSTICE: INTEGRATING FRUIT TREE ACCESS AND URBAN FORESTRY IN ZACHARY PARISH, LOUISIANA**
ANNAN, KINGSFORD KOBINA¹, and A. Annan².
¹Dept. of Urban Forestry, Envi. and Natural Resources, Southern University and A&M College, Baton Rouge, LA, USA
²Dept. of Basic Education, University of Cape Coast, Ghana
- 19. INVESTIGATING THE RELATIONSHIP BETWEEN METEOROLOGICAL CONDITIONS AND PM_{2.5} CONCENTRATIONS ACROSS DIFFERENT COUNTIES IN ALABAMA**
SAPKOTA, SANTOSH, Gamal El Afandi, Chastity Bradford, Muhammad Irfan, Salem Ibrahim, Amira Moustafa, and Reda Algendy.
College of Agriculture, Environment and Nutrition Sciences, Tuskegee University, Tuskegee, AL 36088, USA². College of Arts and Sciences, Tuskegee University, Tuskegee, AL 36088, USA
- 20. OPTIMIZING NITROGEN, PHOSPHORUS, AND POTASSIUM MACRONUTRIENTS TO ENHANCE QUINOA GROWTH, PHYSIOLOGY, AND YIELD IN THE MIDWEST**
NESA, NUR U., T. J. Fatema, N. Grato, P. Safiullah, X. Zhang, and A. Addissu.
Dept. of Agroecology and Sustainable Agriculture, Lincoln University, Jefferson City, MO 65101
- 21. DESIGN AND CHARACTERIZATION OF COTTONSEED OIL–CARNAUBA WAX–PECTIN EMULSION GELS AS THERMALLY STABLE FAT REPLACERS IN PROCESSED RED MEAT: FUNCTIONAL INSIGHTS**
TALUKDER, SUDIPTA, L. Alegro, and R. Silva.
Dept. of Family and Consumer Science, North Carolina A&T State University, Greensboro, NC 27411
- 22. STRENGTHENING THE AGRICULTURAL WORKFORCE PIPELINE: PROFESSIONAL GROWTH AND NEAR-PEER MENTORSHIP THROUGH 4-H SUMMER INTERNSHIPS**

GARNER, A. SOLOMON, L. D. Petrie, and J. C. Ricketts.
Dept. of Agricultural Business and Education, Tennessee State University, Nashville,
TN

23. EVALUATION OF MICROBIOLOGICAL LOAD, pH, AND STORAGE STABILITY IN HIBISCUS–BEETROOT BEVERAGES CONTAINING TRADITIONAL WEST AFRICAN SPICES

AMENYENU, EMILY, Q. Abbah, and B. Min.

Dept. of Food and Nutritional Sciences, College of Agriculture, Environment and
Nutrition Sciences, Tuskegee University, Tuskegee, AL 36088

24. THE EFFECT OF ACCESS TO BROADBAND ON RURAL DEVELOPMENT EFFORTS IN ALABAMA'S BLACKBELT

CORNIE, ADRIANA, and R. Shange.

Dept. of Agricultural and Environmental Sciences, College of Agriculture,
Environment and Nutrition Sciences, Tuskegee University, Tuskegee, AL 36088

25. QUANTIFYING FOOD CROP TRANSITIONS UNDER URBANIZATION USING REMOTE SENSING AND GIS: EVIDENCE FROM EAST BATON ROUGE PARISH, LOUISIANA

DADZIE, ESI, D., T. Gyan, and K. K. Annan.

Dept. of Urban Forestry, Environment and Natural Resources, Southern University
and A&M College, Baton Rouge, LA 70807

26. EFFECT OF DIFFERENT PLASTIC MULCH COLORS ON THE GROWTH, YIELD, AND VITAMIN C CONTENT OF HABANERO PEPPER

KAMBA, J., and T. Nzaramyimana.

College of Agriculture, Health, and Natural Resources, Kentucky State University,
Frankfort, KY 40601

27. IMPACT OF MAGNESIUM FERTILIZATION ON MINERAL NUTRIENT ACCUMULATION IN HYDROPONICALLY GROWN CRESS

KABANDA, R., and T. Nzaramyimana, Ph.D.

College of Agriculture, Health, and Natural Resources, Kentucky State University,
Frankfort, KY 40601

28. MODULATION OF PHENOLIC ACCUMULATION AND BIOMASS YIELD IN WATERCRESS AND UPLAND CRESS UNDER SELENIUM FERTILIZATION

RAGLAND, N., ADEYEYE, A., and T. Nzaramyimana.

College of Agriculture, Health, and Natural Resources, Kentucky State University,
Frankfort, KY 40601

29. INFLUENCE OF SELENIUM FERTILIZATION ON CHLOROPHYLL PIGMENTS AND BIOMASS PRODUCTION IN WATERCRESS AND UPLAND CRESS

SARPONG, K., and T. Nzaramyimana, Ph.D.

30. **ALKALINE pH MITIGATES AMMONIA TOXICITY IN CHANNEL CATFISH BY ENHANCING ION REGULATION, ENERGY BALANCE, AND *Rh* GLYCOPROTEINS EXPRESSION**
FAHIM, FATIN I., T. Bhattacharjee, K. Adhikari, S. Bhattarai, and A. Sinha.
Dept. of Aquaculture and Fisheries, University of Arkansas at Pine Bluff, Pine Bluff, AR 71601
31. **PRE-EXPOSURE TO LOW AMMONIA ENHANCES PHYSIOLOGICAL PERFORMANCE AND GENE EXPRESSION IN CHANNEL CATFISH AGAINST HIGH AMMONIA TOXICITY**
ADHIKARI, KASHYAP, T. Bhattacharjee, F. I. Fahim, N. Kafle, S. Bhattarai, R. Lochmann, and A. Sinha.
Dept. of Aquaculture and Fisheries, University of Arkansas at Pine Bluff, Pine Bluff, AR 71601
32. **IRON STRESS MEMORY: PRE-EXPOSURE BOOSTS TOLERANCE AND PERFORMANCE IN JUVENILE CATFISH UNDER HIGH IRON TOXIC STRESS**
KAFLE, NISHAN, K. Adhikari, T. Bhattacharjee, F. I. Fahim, S. Bhattarai, S. Jahanbin, R. Lochmann, and A. Sinha.
Dept. of Aquaculture and Fisheries, University of Arkansas at Pine Bluff, Pine Bluff, AR 71601
33. **FUNCTIONALIZING CHITOSAN NANOPARTICLES AGAINST *A. HYDROPHILA* IN CATFISH: A POTENTIAL ANTIBIOTIC ALTERNATIVE**
REED, SONYA¹, Z. McGowan², Q. Jiang⁴, F. Watanabe⁵, and G. Ramena¹.
¹Dept. of Aquaculture and Fisheries, University of Arkansas at Pine Bluff, Pine Bluff, AR
²Dept. of Agriculture, University of Arkansas at Pine Bluff, Pine Bluff, AR
³Dept. of Computer Science, University of Arkansas at Pine Bluff, Pine Bluff, AR
⁴Dept. of Chemistry and Physics, University of Arkansas at Pine Bluff, Pine Bluff, AR
⁵Center for Integrative Nanotechnology Sciences, University of Arkansas at Little Rock, Little Rock, AR
34. **PEPTIDOGLYCAN HYDROLASES (PGHS) AS ALTERNATIVE ANTIMICROBIALS FOR *STREPTOCOCCUS INIAE* INFECTIONS IN FISH**
MCGOWAN, ZACHARIAH, K. Bohara, A. Segree, and G. Ramena.
Dept. of Aquaculture and Fisheries, University of Arkansas at Pine Bluff, Pine Bluff, AR 71601
35. **QUANTUM-LEVEL GREEN LIGHT-EMITTING DEVICES: A NOVEL APPROACH TO ENHANCING FISH HEALTH**
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36. IMPACT OF COOPERATIVE EXTENSION IN THE BLACK BELT

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37. EVALUATION OF THE EFFECTS OF PULSED LIGHT ON THE PHYSICAL PROPERTIES OF PECAN NUTS

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38. REDUCTION OF *ESCHERICHIA COLI* ON SPINACH USING PULSED UV TECHNOLOGY

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39. EFFECTS OF POST-HATCH THERMAL CONDITIONING ON THE GROWTH PERFORMANCE AND CARCASS YIELD OF BROILERS RAISED ON PASTURE

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40. THE IMPACT OF BREXIT ON U.S.–U.K. AGRICULTURAL TRADE RELATIONS

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41. AGRIVOLTAICS AND SMALL FARM RESILIENCE: DIVERSIFICATION AND RISK MANAGEMENT IN MODERN AGRICULTURE

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42. PANEL ANALYSIS OF TEFAP FOOD DISTRIBUTION IN NORTH CAROLINA

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**43. EFFECT OF SALT AND RED PEPPER ON THE WATER ACTIVITY OF
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**44. EFFECT OF BLUEBERRY AND COLLARD GREEN VEGETABLES ON
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45. YIELD RESPONSES OF CORN TO SOIL AMENDMENT WITH BIOCHAR

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**46. NANO-ENHANCED ESSENTIAL OILS AS RUMEN MODULATORS:
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**47. A COMPARATIVE ANALYSIS OF LIQUID ALGAE FERTILIZERS TO
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**48. MEASURING THE BASELINE SOIL GREENHOUSE GAS DYNAMICS IN
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**49. FIRE IN THE ORCHARD: FIRST REPORT OF ISOLATION,
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50. EVALUATION OF PUBLIC HEALTH INITIATIVES FOR SKIN CANCER PREVENTION IN KENTUCKY

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51. PRELIMINARY ASSESSMENT OF ELECTROMAGNETIC AND RADIOFREQUENCY EXPOSURE ON HONEYBEE ACTIVITY

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52. IDENTIFICATION OF POTENTIAL TARGET GENES FROM SMOOTH CORDGRASS (*SPOROBOLUS ALTERNIFLORUS*) TO CONFER SALINITY STRESS TOLERANCE IN COMMON BEAN (*PHASEOLUS VULGARIS* L.)

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53. MAGNESIUM CONCENTRATIONS IN HOAGLAND SOLUTIONS AFFECT CAROTENOID AND GLUCOSINOLATE CONTENTS IN KALE

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54. SKIN CANCER PREVENTION PRACTICES AMONG FARMERS: A SCOPING REVIEW OF TWO BEHAVIORAL THEORIES

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55. ECONOMIC VIABILITY OF AGRIVOLTAICS FOR SMALL-SCALE FARMERS IN KENTUCKY: A COST-BENEFIT ANALYSIS

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56. LONG-TERM IMPACT OF CONSERVATION AGRICULTURE PRACTICES ON SOIL HEALTH

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- 57. COASTAL CONNECTIONS: COMMUNICATING ECOLOGY THROUGH ART**
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- 58. ASSESSMENT OF HEAVY METAL CONTAMINATION IN SOIL AND UPTAKE BY EGGPLANT FRUIT**
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- 59. PRELIMINARY STUDY OF WATER QUALITY AND LEAFY GREEN GROWTH IN AQUAPONICS: A BASELINE FOR MICROBIOLOGICAL SAFETY ASSESSMENT**
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- 60. ENTERIC METHANE EMISSIONS AND PERFORMANCE OF KIKO DOES RAISED IN OPEN PASTURE AND SILVOPASTURE DURING SUMMER**
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- 61. SHORT-TERM IMPACT OF VARYING BIOCHAR RATES ON LABILE AND SOIL ORGANIC CARBON DISTRIBUTION WITH DEPTH**
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- 62. EFFECTS OF SOIL AMENDMENTS ON GLUCOSINOLATE, MYROSINASE ACTIVITY, Fe²⁺, AND ASCORBATE**
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- 63. BIOCHAR PREPARED FROM VEGETABLE WASTES: AN OVERVIEW**
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65. **IMPACT OF BIOCHAR APPLICATION ON HYDRO-PHYSICAL PROPERTIES OF SILTY LOAM**
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67. **ON-FARM SOIL HEALTH ASSESSMENT OF AGRICULTURAL LAND UNDER CONTINUOUS ROTATIONAL GOAT GRAZING IN CENTRAL KENTUCKY: A BASELINE**
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68. **TEMPORAL EFFECTS OF FERTILITY MANAGEMENT ON SOIL HEALTH UNDER CORN AND SOYBEAN IN KENTUCKY**
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69. **IMPACT OF POULTRY MANURE AND INORGANIC FERTILIZERS ON GROWTH, YIELD OF TOMATO, AND SOIL QUALITY**
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70. **NON-DESTRUCTIVE STRESS PHYSIOLOGY ASSESSMENT FOR EARLY DIAGNOSIS OF DROUGHT AND NUTRIENT STRESS IN RHIZOMA PEANUT**
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- 71. INFLUENCE OF COVER CROPS ON GROWTH PERFORMANCE, RUMEN FERMENTATION, AND CARCASS TRAITS OF GRAZING MEAT GOATS**
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- 72. UNLOCKING PLANT PLASTICITY: TDZ-ENHANCED SOMATIC EMBRYOGENESIS FROM *ARABIDOPSIS* ROSETTE LEAVES**
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- 73. METABOLOMIC ANALYSIS OF BOTH HIGH AND LOW *HAEMONCHUS CONTORTUS* BURDEN FECAL SAMPLES FROM MEAT GOATS FED EITHER *CYNODON DACTYLON* (BERMUDAGRASS) OR *CROTALARIA JUNCIA* L. (SUNN HEMP)**
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- 74. P.I.C.M.E.: PRECISION INSPECTION CROP MANAGEMENT AND THE EVALUATION OF FRUIT**
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- 75. IMPACT OF FUNGAL PROTEASE ON DIGESTION OF GROUND SORGHUM GRAIN BY MIXED RUMINAL MICROORGANISMS**
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- 76. COMPARATIVE MORPHOLOGY OF FIRST- AND SECOND-YEAR SHOOTS IN THREE *RUBUS* SPECIES**
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77. **HOUSING AFFORDABILITY CHALLENGES ON LOW-INCOME EARNERS IN TUSKEGEE, ALABAMA, AND GWARIMPA, ABUJA, NIGERIA**
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78. **META-ANALYSIS OF THE DIETARY INCLUSION OF GRAPE POMACE ON INTAKE, CARCASS YIELD, AND MEAT QUALITY OF SHEEP**
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79. **ASSESSMENT OF CONSUMER SENSORY PREFERENCES FOR COOKED GOAT MEAT**
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80. **KEY FACTORS INFLUENCING GOAT MEAT DEMAND IN THE SOUTHERN UNITED STATES**
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81. **EVALUATION AND CORRELATION BETWEEN TOC CONTENT, SOIL TYPE, AND PAH CONTAMINATION**
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82. **MINIATURE MARVELS: DEVELOPING AN ECOLOGICAL STEM CURRICULUM GUIDE FOR K-12 EDUCATORS**
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83. **THE MORPHO-IDENTITY OF MYXOMYCETES ISOLATED FROM CAMP ATKINS FOREST LOCATED ON THE CAMPUS OF TUSKEGEE UNIVERSITY**
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84. **ASSESSMENT OF EXTREME RAIN AND FLOODS ALONG THE GULF COAST THROUGH NUMERICAL WEATHER MODELING**
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85. **EFFECTS OF DRIED DISTILLERS GRAIN ON BROILERS TO IMPROVE FEED EFFICIENCY**
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86. **PANGENOME ANALYSIS OF SHIGA TOXIN-PRODUCING *ESCHERICHIA COLI* (STEC) REVEALS GENETIC DIVERSITY AND POTENTIAL SEROTYPE-SPECIFIC DIAGNOSTIC TARGETS**
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87. **RELATIONSHIP BETWEEN FINAL WEIGHT LOSS AND WATER ACTIVITY OF JERKY PREPARED FROM ASIAN CARP MEAT**
 SMOOT, ERIN, O. Ayoola, L. Alagbe, and C. Wang.
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88. **EXPANDING OPPORTUNITIES FOR BEGINNING SMALL-SCALE VEGETABLE GROWERS THROUGH SALES TO ETHNIC GROCERY STORES**
 OBBU, RUBY, and S. Dasgupta.
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89. **DISCOVER NEPAL: CULTURE, CONSERVATION, AND COMMUNITY THROUGH LOCAL KNOWLEDGE**
 JONES, AHRION, and B. Gyawali.
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90. **DEVELOPING A LIVER ABSCESS MODEL IN GROWING CALVES**
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91. **FUNCTIONAL ANALYSIS OF *SCARECROW* (SCR) IN REGULATING ROOT GROWTH OF *ARABIDOPSIS THALIANA***
 ANDERSON, YVONNE, G. Aguti, and A. Sharma.
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92. **GROWTH BEYOND SOIL: A COMPARATIVE STUDY BETWEEN CONVENTIONAL AGRICULTURE AND HYDROPONIC FARMING**
 COLVARD, ASHA S., BISWAS, B.
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93. **EFFECTS OF BIOCHAR SUPPLEMENTATION ON GROWTH PERFORMANCE, DRY MATTER INTAKE, AND CARCASS QUALITY IN BOER × SPANISH MALE GOATS**
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94. **COMPARATIVE ANALYSIS OF GROWTH AND YIELD PERFORMANCE OF LETTUCE CULTIVARS IN AQUAPONIC AND SOIL-BASED SYSTEMS**

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95. **COMPARISON OF MANUAL AND LiDAR SCAN MEASUREMENTS OF CARCASS TRAITS IN BOVINES**
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96. **ENHANCING PROFITS: PRECONDITIONING BENEFITS FOR SMALL AND RESOURCE-LIMITED CATTLE PRODUCERS**
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97. **THE EFFECTS OF SALTWATER INTRUSION ON GREENHOUSE GAS EMISSIONS FROM SOIL IN A COASTAL WETLAND**
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98. **IDENTIFYING A GENOMIC SAFE HARBOR IN TOMATO**
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99. **URBAN FARM SCHOOL: A SEED-TO-SALE EXPERIENTIAL TRAINING MODEL FOR SMALL FARMERS IN NORTH CAROLINA**
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100. **CULTIVATING WEST VIRGINIA: TRENDS AND CHALLENGES IN WEST VIRGINIA’S APPLE INDUSTRY FROM 2005–2025**
HODGES, EDEN H., and S. Bandara.
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101. **BRIDGE TO SUCCESS: HOW PROGRAM LENGTH AFFECTS STUDENT LEARNING**
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104. **NEED FOR AGROFORESTRY EDUCATION FOR SMALLHOLDER FARMERS IN MARYLAND**
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106. **DIGITAL MARKETING AND PROFITABILITY: A CASE OF SMALLHOLDER FARMERS' MARKETS IN MARYLAND**
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107. **SOCIO-ECONOMIC POTENTIALS OF FIG-BASED ALLEY CROPPING IN MARYLAND**
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108. **DATA-DRIVEN FOOD DEMAND FORECASTING FOR FOOD PANTRIES IN ALABAMA**
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109. **POTENTIAL OF SOUTHERN PINE SILVOPASTURE TO MITIGATE ENTERIC METHANE EMISSIONS AND ENHANCE PERFORMANCE OF HAIR SHEEP**
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 111. **ROLE OF MONEY SMART CLUB IN STRENGTHENING FINANCIAL LITERACY FOR COLLEGIATE YOUTH**
THAGUNNA, SURAJ SINGH¹, L. B. Karki^{1,2}, S. L. Tubene², M. Kaba², R. Khadka², M. L. Diack², S. Wright², and E. N. Escobar^{1,2}.
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 112. **THE EFFECTS OF BUCK EXPOSURE ON THE ESTROUS CYCLE OF MULTI-BREED MEAT GOATS**
PEARSON, LAUREN V., T. Adamopoulos, E. Hayes, and R. Browning.
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 114. **THE ROLE OF NONGOVERNMENTAL ORGANIZATIONS IN SUPPORTING GEORGIA FARMERS AMID RISING TEMPERATURES**
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COUNTIES OF ARKANSAS

SHELBY, ANDRE Jr., and S. K. Ponniah.

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118. **THE ROLE OF CALCIUM IN ENHANCING COLD STRESS TOLERANCE IN *CAPSICUM ANNUM* L. CULTIVATION**
SPILLER, KENNEDY L.^{1,2}, J. Legois², A. Nair², and R. Arora².
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119. **ASSESSING THE EFFECT OF POTYVIRUSES ON DIFFERENT GENERATIONS OF BEAUREGARD SWEETPOTATO VARIETY**
RAY, KYLAN L. and S. K. Ponniah.
Department of Agriculture, University of Arkansas at Pine Bluff, 1200 University Drive, Pine Bluff, AR 71601.
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CARR, DE'SHELL¹ and A. Hiroji².
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- PRUITT, KAILA¹ and H. Wang².
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NYAME, JOSEPHINE, L. Asare-Baah, M. Egnin, G. C. Bernard, and O. Bolden-Tiller.
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ROYAL, VERONICA, and L. Asare-Baah. Dept. of Integrative Public Policy, College of Agriculture, Environment, and Nutrition Sciences, Tuskegee University, Tuskegee, AL 36088.
 157. **EFFECT OF SOIL AMENDMENT TREATMENTS ON THE NUTRITIONAL COMPOSITION OF ORGANIC OKRA (*ABELMOSCHUS ESCULENTUS*)**
NJOGU, HILDA¹, L. Kpomblekou¹, K. Kpomblekou-A², P. Gichuhi¹, and A. C. Bovell-Benjamin^{1,2}.
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²Tuskegee University Organic Agriculture Institute, Tuskegee, AL 36088.
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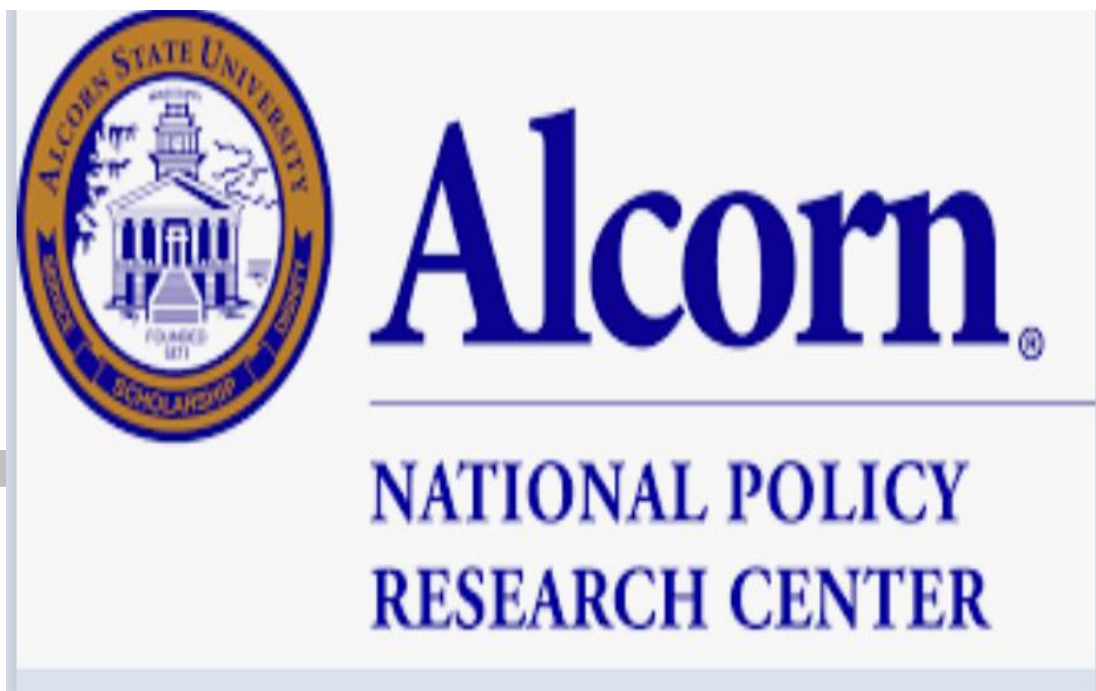
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NGABONZIMA, VIATEUR, P. Gichuhi, and A. C. Bovell-Benjamin.
Department of Food and Nutritional Sciences, Tuskegee University, Tuskegee, AL 36088.
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PERRY, JAMES L.¹, R. Zabawa¹, R. Shange¹, W. Hill¹, J. Jimmeh², and A. Zekeri³.
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162. **CONSUMER BEHAVIOR TOWARD GRASS-FED AND GRAIN-FED BEEF: A STUDY OF DEMOGRAPHIC FACTORS IN THE ALABAMA BLACK BELT**
MURPHY, IMANI, and C. Harris.
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G.W.C. Awards:	Robert Zabawa, Karen Craig, & Tasha Hargrove
Exhibits:	Tasha Hargrove and DeAmbria Abner
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