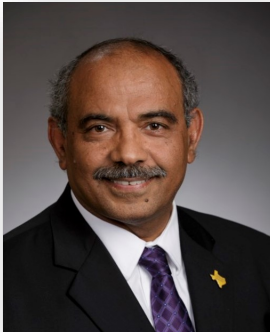


ARD Updates

ASSOCIATION OF 1890 RESEARCH DIRECTORS

May 2024, Vol. 15, Issue 5



Pictured L to R: Ali Fares, Arthur Allen, Anju Chiluwal, De'Etra Young and Beatra Wilson

Five nab top awards during ARD symposium

Four 1890 researchers and one 1890 enthusiast received the top awards during the recent ARD biennial symposium. **DR. ALI FARES** from Prairie View A&M University received the Morrison-Evans Outstanding Scientist Award, **DR. ANJU CHILUWAL** from Kentucky State University received the B. D. Mayberry Young Scientist Award, **DR. ARTHUR ALLEN** from the University of Maryland Eastern Shore received the Walter A. Hill Distinguished

Service Award, **DR. DE'ETRA YOUNG** from Tennessee State University received the McKinley Mayes Mentoring Award and **DR. BEATRA WILSON** from the U.S. Forest Service received the ARD Exceptional Service Award.

Fares received his bachelors from the College of Horticultural Engineering in Tunisia, Mississippi; the masters in agronomy and computer science and the Ph.D. in the hydrologic science

cluster from the University of Florida. He is an endowed professor of water security and water energy and food nexus at Prairie View.

As a mentor, Fares supervised hundreds of undergraduate students and chaired or served on tens of graduate student committees in Egypt and other international institutions in Europe, Africa and Asia. He has also supervised post-doctoral fellows and hosted visiting

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Message from the Chair DR. LOUIS WHITESIDES



Dear Friends and Colleagues,
As summer draws near, research directors are dedicated to pursuing additional Congressional supporters to champion our 1890 federal budget requests for FY 2025. These requests encompass capacity grants, capacity building grants, facilities grants, the 1890 Centers of Excellence, the scholarship program and agricultural research infrastructure. Concurrently, research directors will advocate for the 1890 system's farm bill priorities. Last week, Sen. Debbie Stabenow,

(D-MI) chairperson of the Senate Agriculture Committee, and Rep. G.T. Thompson, (R-Penn.) chairman of the House Agriculture Committee, released farm bill summaries. Both chambers of Congress have unveiled initial farm bill drafts, with additional specifics expected in the coming days. A particularly promising development is the endorsement from both the Senate and the House for funding the Research Facilities Act, aimed at modernizing agricultural research infrastructure to tackle the pressing issues of aging facilities. Further elaboration on the funding plans will emerge as the farm bill progresses through congressional debate.

Through these endeavors, our stakeholders' voices and

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Congress approved the Evans-Allen Act of 1977 to provide capacity funding for food and agricultural research at the 1890 land-grant universities and Tuskegee University (the 1890 Institutions) similar to that provided to the 1862 universities under the Hatch Act of 1887. Research conducted under the Evans-Allen Program has led to hundreds of scientific breakthroughs of benefit to both the unique stakeholders of the 1890 institutions and the nation as a whole. The Evans-Allen Program has been extremely important in allowing the 1890 institutions to attract top-notch scientists to their campuses, conduct high-quality and innovative research and become more fully integrated within the land-grant system.

This edition, includes examples of impacts from the 1890 research program submitted by scientists at Fort Valley State and Florida A&M universities

Need a vet or agronomist? FVSU has an app for that.

BY LATASHA FORD

Small and limited-resource farmers in the southern U.S. and South Africa will soon have immediate access to their personal veterinarian and agronomist with just a click of the finger.

Artificial intelligence (AI) and precision agriculture are rising as scientists explore emerging technologies that help farmers save money and increase productivity.

For that reason, Fort Valley State University (FVSU) researchers Drs. Thomas Terrill and Ajit Mahapatra use a \$750,000 NIFA grant to develop a precision animal health management app.

“This is an extension of the work we have been doing with the American Consortium for Small Ruminant Parasite Control,” said Terrill, consortium coordinator as FVSU’s lead institution. “We have had a lot of success with the FAMACHA scoring card and medicinal plants.”

The animal science professor emphasized the project’s purpose: to use geographic information systems (GIS) technology and AI computer modeling to develop an automated, cell phone-based decision support system for farmers in the U.S. and South Africa to improve the health of their small ruminants (sheep and goats).

For example, a farmer can take pictures of an ailing goat’s eyes with a cell phone and then send the images through the downloaded free app. In response, the farmer will receive immediate information on improving the goat’s health if it needs deworming.

“We found that many limited-resource farmers have access to mobile phones but not the expertise,” Terrill noted. “They may not have the funds or access to a veterinarian who is an expert in caring for small ruminants. Farmers can monitor their animals, and the information through the app will help them save labor and money on medicine, increase

productivity and prevent animal deaths.”

Another benefit of using the app is that a farmer can predict the best environment to grow medicinal plants such as *Sericea lespedeza*, a high-tannin, perennial legume used for forage production.

“We are focusing on low-input, simple technologies that are effective for small and limited-resource farmers,” Terrill said. “*Sericea lespedeza* (*Lespedeza cuneata*), an anti-parasitic forage plant, is well adapted to the southern U.S. and South Africa. We have a parallel system, where whatever we are trying out in Africa, we are also doing here.”

The work will be completed in both countries to benefit primarily small and limited-resource livestock producers. Terrill said the modeling will be focused mainly on sustainable management of internal parasites in sheep and goats and will include identification of animals in need of treatment, production of bioactive (anti-parasitic) forages in different geographic regions and climates,

and other novel (non-chemical) technologies.

The FVSU forage specialist and Mahapatra, a food engineering professor, visited South Africa in January 2023 to kick off their project. On their 10-day trip, they visited several field research sites in various South African provinces to plan their outreach activities. They met with partners Dr. Sudhanshu Panda, the University of North Georgia – Gainesville Campus; Dr. Eric Morgan, Queen’s University Belfast in Northern Ireland, and Dr. Jan van Wyk, the University of Pretoria in South Africa. These scientists are experts in GIS technology, climate change and parasitology. The group also interacted with South African scientists, Extension specialists, farmers and agricultural business owners. Terrill said they received enthusiastic support for their project regarding the potential use of *Sericea lespedeza*.



Drs. Thomas Terrill and Ajit Mahapatra work in the field with Georgia farmers.

Muscadine grapes may promote gut health

Public Value Statement

The incidence of gut-related disorders is rising due to the complex nature of the disease and the affected organ. The complex relationship between intestinal bacteria and fundamental physiological activities emphasizes gut microbiota's importance in human health. This recognition has made probiotics a promising chronic illness prevention and treatment strategy. Prebiotics help beneficial microbes grow and function and are essential to this microbial equilibrium. As a result, Florida A&M University researchers will investigate the potential of muscadine grape phytochemicals and endophytes to treat gut-related ailments.

Situation

One of the hallmarks of aging and physiological decline is the loss of gut integrity, leading to a 'leaky gut.' This causes the leaching of the gut microbiome, pathogens, and external molecules into the bloodstream, leading to inflammatory responses, hyper-immune activation, etc. Currently, there are no prescriptions for treating this condition.

Our research reveals significant variability in phytochemical content and endophyte diversity across muscadine grape genotypes. Moreover, phenomic studies demonstrate that microbial isolates exhibit varying tolerance to physiological temperatures and display preferences for specific nutritional substrates, laying a robust foundation for exploring muscadine grapes' potential in modulating gut microbiota and enhancing gastrointestinal health. We will assess the efficacy of muscadine grapes as a reservoir of prebiotic and probiotic constituents for preventing and alleviating gut ailments, thereby benefiting growers, consumers and individuals afflicted

with gut disorders.

Through this initiative, two postdoctoral fellows and one undergraduate student have received comprehensive training in biochemistry, molecular biology, microbiology, and related techniques. Our research findings have been extensively disseminated, reaching growers, stakeholders, industries and the public through diverse channels such as field days, demonstrations, workshops, seminars, publications and news articles. Additionally, our findings have been presented at professional meetings to facilitate knowledge exchange among scientists and students, fostering a wider understanding and application of our research outcomes.

Response

Our findings showed significant variation in phytochemical content and diversity of endophytes present among muscadine genotypes. Furthermore,

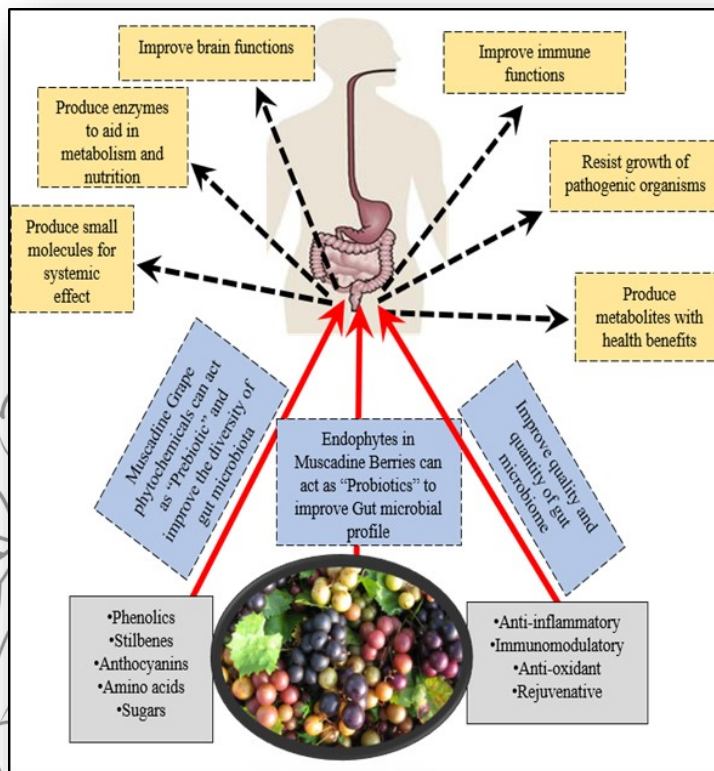
our phenomics study showed that the microbial isolates can tolerate different physiological temperatures and prefer specific nutritional substrates. These findings provide a strong foundation for understanding the potential impact of muscadine grapes on gut microbiota modulation and gastrointestinal health.

Feedback

The scientific findings were presented at the 2024 ARD symposium and discussed with other scientists and students.

CAFS collaborators and researchers include Dr. Mehboob Sheikh, Dr. Meenakshi Agarwal Dr. Tushar Dhanani, Dr. Imrul Ahmed and Anse Kaplan.

For more information, contact Dr. Mehboob Sheikh at mehboob.sheikh@famu.edu for (850) 412-5189.



App . . . from page 2

In addition, a GIS laboratory will be housed on campus to train FVSU students in AI.

“We are hoping this will be the start of a new curriculum here at Fort Valley,” Terrill said.

The international collaborators plan to visit FVSU for additional research and outreach planning. The team will incorporate drones to capture photos and collect data from transponders placed on individual goats that will emit a radio signal to help monitor their activities. The scientists will ex-

amine differences over the seasons.

Once the decision support system app is implemented, farmers can use it anywhere where livestock are raised.

This three-year NIFA-funded project is titled “Geoinformation Technology and Artificial Intelligence Application Based Animal Health Management Decision Support System Development to Support Small-Holding Farmers.” For additional information, contact Latasha Ford, FVSU Research Communications manager, at fordl@fvsu.edu or (478) 825-4307.

Winners . . . From page 1

international faculty and students. He has served and is serving on doctoral students' committees from South Africa, Pakistan and the University of Texas-Austin.

Fares has maintained a well-funded research program, irrespective of his administrative appointment, that generated over \$100 million as a PI & Co-PI and \$79 million from currently active projects in collaboration with colleagues from Prairie View, Texas A&M University and UT-Austin. He is a PI & Co-PI on submitted proposals worth \$19 million submitted to different funding agencies. His prolific publication record speaks for itself with over 82 refereed publications, 33 non-refereed articles, 285 abstracts, five authored books and 15 contributed book chapters.

Chilawal received his received his bachelor's degree in agriculture from Tribhuvan University in Nepal, the master's degree in biotechnology from Fort Valley and the Ph.D. in agronomy from Kansas State University.

Since joining Kentucky State as an assistant professor, Chilawal has been the recipient of \$2.7 million as PI or Co-PI in competitive grants. He has authored more than six peer-reviewed journal articles and has made several presentations at professional meetings.

His research focuses on identifying promising sugar cane varieties for the sugarcane industry, and optimal planting date, plant spacing and nutrient management practices for hemp production.

Evident in Chilawal's research portfolio is addressing declining soybean seed protein concentration, a project that is funded by the USDA NIFA Capacity Building Grant Program. This project has been featured in several regional and national news providing further evidence of the importance of this research to U.S. soybean community in addressing one of their major challenges.

Chilawal is a member of the American Society of Agronomy, the Crop Science Society of America, the Kentucky Academy of Science and the U.S. Farmers and Ranchers Alliance.

Young received her bachelor's degree in urban forestry from Southern University, and her master's and Ph.D.

in forestry from Texas A&M. She is an associate professor and the associate dean for Academic and Land-Grant Program in the College of Agriculture at Tennessee State University. She is the recipient of numerous awards, including the 2023 USDA and APLU National Award for Excellence in College and University Teaching in the Food and Agricultural Sciences.



Dr. Chavonda Jacobs, USDA's Undersecretary of Agriculture for Research, Education and Economics & Chief Scientist, delivered the Evans-Allen Memorial Lecture at the symposium, centered on the theme "Climate, Health and Cultivating the Next Generation of Agriculture Leaders: Creating Solutions Food, Agriculture and Natural Resources." Her compelling address ignited vibrant discussions and intellectual exchanges, setting the tone for the subsequent panel discussions and special sessions.

Young has over 11 years of research experience in urban forestry and currently serves on the U.S. Endowment for Forestry and Communities Inclusion Council and Land Between the Lakes National Recreation Area Advisory Board. She is also the director and co-director of three programs, including university collaborations and the 1890 Center of Excellence for Natural Resources, Renewable Energy and the Environment and the NextGeneration Inclusion Consortium.

Young has demonstrated excellence in advising and mentoring undergraduate and graduate students and publishing papers in professional journals. Her dedication to teaching has been recognized through the receipt of the 2017 Outstanding Teaching Faculty Award for the College of Agriculture. Young was recently recognized as a National Emerging Scholar by Diverse Issues in Higher Education and USDA National Excellence in College and University Teaching in the Food and Agricultural Sciences underscores her significant contributions to academia.

One of Young's most recent impactful initiatives is her collaboration with Vanderbilt University to develop the NSF-funded Earth

Horizons program. This program, featured nationally through PBS's Journey to Jobs, strengthens the pathway for minority students entering geo- and environmental science careers. Young's commitment to innovative teaching and mentor strategies, exemplified by a new three-week field course and co-teaching introduction to geoscience, has provided hands-on experiential learning and advanced undergraduate research training to over 50 students.

Wilson received her bachelor's degree from Southern University, master's degree from Kennesaw State Uni-

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Winners ... from page 4

versity and doctorate at Southern University.

Wilson is the acting associate deputy chief for State Private and Tribal Forestry Programs at the Forest Service, a position she assumed in February. Before that, from July 2020 to 2024, she served as the assistant director for Urban and Community Forestry Programs.

Wilson is a diversity strategist urban forester often referred to as a trusted advisor and thought partner to leaders pursuing diversity, equity and inclusion and social entrepreneurship leadership development. She has extensive experience leading inclusive strategies in community engagement and has worked both at the corporate and university levels to advance their mission and increase social impact through sustainable development. She is a certified diversity executive (CDE).

Wilson has over 23 years in the conservation profession, urban forestry and environmental justice and is passionate about providing opportunities for the next generation of forestry and sustainable environment leaders. In 2020, she was detailed to OMB to be one of the collaborative advisors promoting a culture of belonging and advancing inclusion strategic goals.

She served on the White House Council on Environmental Quality June 2016 to January 2017 helping coordinate policy and rule-making actions related to national forests and public lands.

In recognition of her role as a national program leader, Wilson led the IRA \$1.5 billion investment in urban forest programs in disadvantage communities across the U.S. She designed the largest climate-funding program in less than one year. This generated over 800 proposals requesting over \$6 billion in funding. The 1890 Universities Foundation and sev-

en 1890 universities were beneficiaries of this funding.

Allen received his bachelor's degree in agronomy from the University of Arkansas at Pine Bluff; and master's degree in soil chemistry and agronomy from Oklahoma State University and doctorate in soil science and plant biochemistry from the University of Illinois. He is a professor of Plant and Soil Science, director of the Chesapeake Water Quality Center and director of the Geospatial Technologies Center at the University of Maryland Eastern Shore.

Allen has devoted his 53-year career to helping develop and shape the legacy of the 1890 land-grant community and ARD. Among his scholarly awards, he secured The American Society of Agronomy's (ASA) highest research award when he became a *Fellow* in this highly regarded international organization in 2012. Only .3% of the entire membership receives this award each year. Allen also received the University of Maryland System Board of Regent's Award for Outstanding Faculty Service in Research in 2011, the highest research award given to faculty among 11 University System of Maryland campuses.

In 1999, with the help of his ARS partners, he created a *21-year* Cooperative Research Partnership between UMES and USDA-ARS at Penn State University. Many scholarly publications were generated from this partnership; they are well-quoted and have had a considerable impact on thousands of farmers, especially those on the Delmarva Peninsula. Allen has generated over \$24 million, mostly in research and other categories. He is the author of more than 275 publications and presentations. Forty of his publications are refereed and appear in highly regarded publications, e.g., the *Journal of Environmental Quality* and the *Journal of Soil & Water Conservation*, among others.

Whitesides . . . from page 1

needs remain paramount, particularly as we gear up to expand current programs and introduce new initiatives aimed at enhancing the quality of life, fostering economic development, and educating future agricultural leaders.

I am thrilled about the future of our nation's food and agricultural systems and ARD's pivotal role in co-creating transformational research and education. Our work is important, and we must remain committed to thoughtfully charting a mission-driven path that incorporates the diverse expertise, innovative approaches and technological advances used at our member institutions.

As we gear up for a bustling summer centered on advocacy efforts, it is a time ripe with opportunities for research directors to strengthen partnerships, delve into new collaborative research ventures and craft impactful programming. The BAA Summer Leadership Meeting (formerly Joint COPs) will occur in Providence, Rhode Island, July 16-18. In addition, in collaboration with the Association of Public and Land Grant Universities' Board of Agriculture Assembly, 1890 research directors will be working on the decadal vision and with agInnovation on our research strategy.

Finally, this edition of *ARD Updates* features the high-

lights of our record-setting ARD Research Symposium. The 21st Biennial Research Symposium, themed "Climate, Health and Cultivating the Next Generation of Agriculture Leaders: Creating Solutions in Food, Agriculture and Natural Resources," occurred at the Gaylord Opryland Hotel and Conference Center in Nashville from April 4-6. There were nearly 1,600 attendees, including 800 plus students and national scholarship winners. The symposium fostered interactions and knowledge sharing, enhanced partnerships through networking and showcased the talents and achievements within the 1890 community, as is customary for all 1890 symposia. These goals were achieved through plenary sessions, panel discussions, presentations of research findings, Extension engagement and the active participation of students in topical presentations and poster sessions. Dr. Chavonda Jacobs-Young, undersecretary of Research, Education, and Economics and USDA chief scientist, delivered the Evans-Allen Memorial Lecture.

Special thanks go to our major sponsors: NIFA, NRCS, ARS, Southern SARE, the Socially Disadvantaged Farmers and Ranchers Policy Research Center, the Forest Service and Syngenta Crop Protection.

ARD Student Award Winners

ORAL COMPETITION

Plant Health and Production and Plant Products

Graduate:

- Divya Jain, *Tennessee State*
- Sudip Poudel, *Kentucky State*
- Samuel Oshikoya, *Kentucky State*

Undergraduate:

- Eryse White, *Florida A&M*
- Andrea Villa, *FVSU*
- Morgan White, *UAPB*

Animal Health and Production and Animal Products

Graduate:

- Reginald Randall, *FVSU*
- Sahmod Earls, *VSU*
- Ramya Kolikapongu, *FVSU*, and Kasey Elder, *Florida A&M*

Undergraduate:

- Imani Jones, *Tuskegee*
- Iyanni Stevens, *Florida A&M*
- Sterling Warren, *Langston*

Food Safety, Nutrition, and Health

Graduate:

- Amritpal Singh, *TSU*
- Aakash Sharma, *TSU*
- Pallavi Rathore, *TSU*

Undergraduate:

- Caleb Mertus, *DSU*
- Destiny Mayfield, *Alcorn*
- Dorian Carter, *Langston*

Renewable Energy, Natural Resources, and Environment

Graduate:

- Maia Woodard, *Florida A&M*
- Bahare Salehi, *NC A&T*
- Dhruthi Mutyala, *Southern*

Undergraduate:

- Blaine Cunningham, *Prairie View*
- Aaliyah Cotton, *TSU*
- Nathan Holt, *NC A&T*

Family, Youth, Community, and Economic Development

Graduate:

- Obianuju Egiebor, *Tuskegee*
- Godwin Agbenyezi, *NC A&T*
- Ryan Howe, *UMES*



Dr. Homer Wilkes, Under Secretary, Natural Resources and Environment presenting at a plenary session



Nursing students from Alcorn supporting the Symposium



Fort Valley Exhibit in the Exhibition area

See Student Winners on Page 7

POSTER COMPETITION

Plant Health and Production and Plant Products

Graduate:

Stanley Northe, Jr., *Florida A&M*
Sowndarya Karapareddy, *AA&M*
Freweyni Abrha, *UMES*

Undergraduate:

Camden Kruis, *Florida A&M*
Shantal Taylor, *Prairie View*
Thando Mawasha, *Central State*, and April Jones, *Alcorn*

Animal Health and Production and Animal Products

Graduate:

Sujan BhaHarai, *UABP*
Nathaniel Ogunkunle, *AA&M*
Terrence Wright, *Del State*

Undergraduate:

Jacqueline Twumwaah, *UAPB*
Tennile Wing, *Virginia State*
Andjule Davis, *Alcorn*, and Kiyah Hedge, *Langston*

Food Safety, Nutrition, and Health

Graduate:

Katelyn Boyle, *AA&M*
Shahriyar Valizadeh, *NC A&T*
William Oyom, *NC A&T*

Undergraduate:

Oluwatimileyin Ogundele, *AA&M*
Myla Stanford, *Alcorn*
Alexis Watson, *AA&M*

Renewable Energy, Natural Resources and Environment

Graduate:

Bhuparaj Bhattarai, *WVSU*
Almando Morain, *Florida A&M*
Poonam Karki, *Lincoln*

Undergraduate:

Ismael Mayo, *Alcorn*
Olivia Matthews, *Del State*
Ashley Mills, *PVSU*, and Janelle Thomas, *Florida A&M*

Family, Youth, Community and Economic Development

Graduate:

Jazmine Norwood, *TSU*
Alyson Whitted, *Kentucky*
Sheila Hatchett, *AA&M*

Undergraduate:

Abby R. Sweezer, *Lincoln*
Layla White, *Lincoln*
MyRiah McCabe, *Lincoln*



Thompson, Reddy, Whitesides, Ruth Ray Jackson, President of Langston University, McMeans and Doug Steele, Vice President for Food, Agriculture and Natural Resources at APLU -- getting ready for opening ribbon cutting.



Left and below, students presenting during the symposium.



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1890 Land Grant Universities

[Alabama A&M University](#)
[Alcorn State University](#)
[Central State University](#)
[Delaware State University](#)
[Florida A&M University](#)
[Fort Valley State University](#)
[Kentucky State University](#)
[Langston University](#)
[Lincoln University](#)
[North Carolina A&T State University](#)
[Prairie View A&M University](#)
[South Carolina State University](#)
[Southern University and A&M College](#)
[Tennessee State University](#)
[Tuskegee University](#)
[University of Arkansas at Pine Bluff](#)
[University of Maryland Eastern Shore](#)
[Virginia State University](#)
[West Virginia State University](#)

ARD Updates is published monthly by the Association of Research Directors. To suggest articles, contact Dr. Alton Thompson at athompson1@ncat.edu

2501 grant application period open

USDA announced approximately \$22.3 million available to community-based and nonprofit organizations, institutions of higher education, and Tribal entities that help underserved and veteran farmers and ranchers own and operate successful farms. Funding is made through USDA's 2501 Program. This program is administered by USDA's Office of Partnerships and Public Engagement (OPPE).

"2501 Program partners are based in local communities and rural areas where they serve a critical role in maximizing USDA's outreach efforts to underserved communities," said OPPE Director Lisa Ramirez. "They provide training and technical assistance to help these agricultural producers succeed and also connect them to USDA programs and services."

[Click for additional information.](#)

JOB OPPORTUNITIES

TUSKEGEE STATE UNIVERSITY, College of Agriculture, Environment and Nutrition Sciences, [Climate-Smart Project Associate](#) and [Agroforestry Project Coordinator](#)

UNIVERSITY OF ARKANSAS SYSTEM, [Associate Director—Research Development and Compliance](#)

UNIVERSITY OF MARYLAND EASTERN SHORE, School of Veterinary Medicine, [Inaugural Dean Associate Dean of 1890 Programs and Associate Director of UMES Agricultural Experiment Station.](#)

PRAIRIE VIEW A&M UNIVERSITY, Cooperative Agricultural Research Center, [Veterinarian](#)

PRAIRIE VIEW A&M UNIVERSITY, Cooperative Agricultural Research Center, [Research Associate/Professor and the Director of the International Goat Research Center \(IGRC\)](#)

WEST VIRGINIA STATE UNIVERSITY, WVSU Research & Development Corporation, [Associate Dean/Associate Director for Research](#)

USDA FOREST SERVICE, SOUTHERN RESEARCH STATION, [Research Economist](#) or [Research Forester](#) to conduct research in in economics and policy focused on wildfire and other forest-based disturbances. This is a permanent, full time position at the GS-12 level or the GS-13 level.

FLORIDA A&M UNIVERSITY, COLLEGE OF AGRICULTURE AND FOOD SCIENCES, [Executive Director](#), Brooksville Agricultural and Environmental Research Station (BAERS) in Brooksville, Florida.

CENTRAL STATE UNIVERSITY, [Vice President for Research and Economic Development and Director of 1890 Land-grant Programs](#)

LINCOLN UNIVERSITY, College of Agriculture, Environmental, and Human Sciences, [Associate Extension Administrator](#)

SOUTH CAROLINA STATE UNIVERSITY, Senior Director for Research Development. Send resume and cover letter to PSAhumanresources@scsu.edu 803536835.

IOWA STATE UNIVERSITY, [Associate Dean for Global Engagement](#)

CALENDAR

2024 BAA SUMMER LEADERSHIP MEETING (formerly known as Joint COPs) | July 16-18, 2024

2024 URBAN FOOD SYSTEMS SYMPOSIUM | June 11-13 | Ohio State University College of Food, Agriculture and Environmental Sciences, Columbus, Ohio. Keynote speakers and 40 presentations and 50 posters, six off-site educational tours.

SOUTHERN REGIONAL MEETING | July 26-28 | Lexington, Kentucky.



2024 S-AHS/CARET MEETING

ARD UPDATES/MAY 2024