



UME Administrative Monday

December 13, 2021



UNIVERSITY OF
MARYLAND
EXTENSION

Agenda:

- 1) Jim Hanson - Associate Dean and Associate Director Update
- 2) Aly Valentine – Operations Update
- 3) Nia Fields – 4H Update
- 4) Jinhee Kim – FCS Update
- 5) Bill Bowerman – ENST Extension Update

AD Report

1. Admin Monday
2. APT Criteria Review
 - a. Every five years
 - b. Representative Committee
 - i. Dale Johnson, Chair
 - ii. Shauna Henley, Lisa McCoy
 - iii. Ann Sherrard, Lacie Ashby
 - iv. Andy Lazur, Jon Traunfeld
 - v. Ben Beale, Jeff Semler
 - vi. Jackie Takacs, representing UME Chair

Operations Updates

Hiring Updates

- New TTK hire – Kirsten Cowen, 4-H Calvert County starts 1.3.22
- 7 TTK positions are in process
- 9 PTK positions are in process
- 12 Admin or program support position in process
- AED position on the mid-shore open
 - Interim coverage - Jim Lewis, Karen Reddersen and Paul Rickert
- CED position in Baltimore City open
 - Interim coverage - Aly Valentine

4-H Updates

Fall Retreat

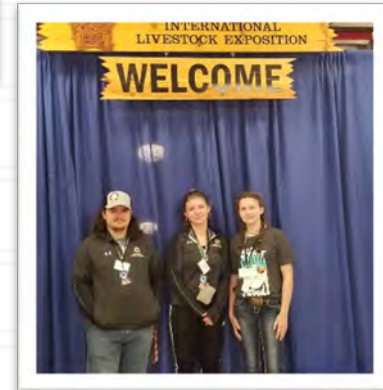


4-H Updates

Education & Competitive Events



~20 4-H youth represented Maryland at 8 national competitive events!



4-H Updates

Fairs & Events



4-H Updates

SAVE THE DATES!

Career AGsperience Program
Come AGsperience Your Future with Us!
 Unlock the Mysteries and Learn the Untold Secrets of Preparing for a Successful Career...

Explore:
 Career Planning
 Resume Development
 Internship Acquisition
 Interviewing Skills
 Business Etiquette
 Agriculture Related Careers and Beyond

Open to any youth between 13-18 years old!
Information gained will be great for any career/college choice, not just AG related!

FREE PROGRAM • 6:30-7:45pm
 October 14th-November 18th
 (Every Wednesday)
 Register at:
<https://forms.gle/VU9bcCRZx4HyePEg>

Upcoming Events



SAVE the DATE

STEM SYMPOSIUM

May 3-5, 2022
 Pittsburgh, PA

Accepting workshop proposals through 1/9/22

<https://tinyurl.com/2022STEMSymposiumfa>

Join us as we STEMPower through extraordinary times!
 Professional Development and Strengthening Partnerships.

18-002-100

PerceBuckExtension



UNIVERSITY OF MARYLAND EXTENSION 4-H
 University programs, activities, and facilities are available to all qualified people. Color, size, sex, gender identity or expression, sexual orientation, marital status, age, national origin, political affiliation, physical or mental disability, religion, protected veteran status, genetic information, perceived age, and any other legally protected basis.

4-H Updates

Awards & Recognition

**YOU ARE CORDIALLY INVITED TO THE
MARYLAND 4-H AWARDS GALA**

JANUARY 28, 2022

BROADCASTED

AT 6 PM



**Building
on the Best**



CONGRATULATIONS to our 4-H Professional Association Winners!

National Winners

Excellence in Animal Science Programming - Healthy Animals
Healthy YOUth: A Zoonosis Education Program for Youth in
Agriculture

Chris Anderson (Team: Lacie Ashby, April Barczewski, Donielle
Axline, Sheryl Bennett, Ashley Travis, Carrie Wivell, David Crum)

Northeast Regional Winners:

Excellence in Animal Science Programming - Chris Anderson
Diversity & Inclusion Expanding Your 4-H Audience - Albert Lewis
Periodical Publication Team Award- Amy Rhodes

Maryland Service Award Winners:

Achievement in Service Award - Vernelle Mitchell-Hawkins
Distinguished Service Award- Tom Hutson
Meritorious Service Award- Navonne Owen

4-H Updates

Welcome to the team...



Torrey Silliman
4-H PTK Faculty
Carroll County



Barbara Barga
4-H PTK Faculty
Worcester County



Andrea Schmucki
4-H Program Assistant
Worcester County

Joy Sim
4-H Program Assistant
Anne Arundel County

Jennifer Chamelin
4-H Program Assistant
Carroll County

Congratulations on your retirement!



Manami Brown
UME - Baltimore City,
Director
& 4-H Youth
Development Educator

FCS Updates

Retirement Announcement

- Patricia Horton-Maynard
- Debbie Rhoades
- Congratulations! Thank you for your service. We will miss you.



FCS Updates

NEAFCS 2021

Concurrent Sessions

- How mentoring impacts Extension **Lisa McCoy**
- Master FCS Volunteer Program Award - Evoking Change: UMD Extension FCS Master Money Mentors Volunteer Training **Dorothy Nuckols and Carrie Sorenson**
- Adding Greater Depth to Programming Using the Mindfulness Activity Guide for Adults **Erin Jewell, Dhruvi Patel, and Amy Rhodes**
- Best practices for building a virtual program that works!! **Dhruvi Patel and Lisa McCoy**
- Understanding the Needs of Low Income Audiences **Carrie Sorenson**
- Culture and Resilience of Farmers **Alex Chan & Maria Pippidis**
- When Your Health Insurance Plan Says No: How to Avoid, Prevent, and Solve Surprise Conflicts, **Dorothy Nuckols**
- Virtual Financial Education during COVID-19 Pandemic: Building State Partnership for Significant Statewide Outcomes **Michael Elonge**

FCS Updates

NEAFCS 2021

Posters

- Engaging Youth in Entrepreneurship **Jesse Ketterman & Ashley Travis**
- Take Action, Don't Lose Qualification for Public Student Loan Forgiveness **Dorothy Nuckols**
- Greenwood Frysinger Award: How Mentor/Mentee Partnerships Can Drive Successful FCS Programs **Beverly A. Jackey, Virginia Brown,**

Ignite Sessions

- Engaging Youth in Entrepreneurship **Jesse Ketterman**
- Take Action, Don't Lose Qualification for Public Service Student Loan Forgiveness, **Dorothy Nuckols**
- Public Housing Resident Advisers and Money Management Education: The Effect on Tenant Rental Evictions (**) **Michael Elonge**

FCS Updates

Health Insurance Literacy

- **10th Anniversary Celebration, December 9, 2021**
- Smart Choice Health Insurance Basics
- Smart Choice / Smart Use
 - Health Insurance in your Senior Years
- Smart Use Health Insurance
 - Smart Actions
 - Understanding and Estimating Health Care Costs
 - Your Health Insurance Benefits
 - Managing Health Insurance and Resolving Conflicts (Pilot Stage)
 - Smart Actions – Using Mental Health Benefits (Development)



FCS Updates

Maryland ROTA (09/30/19-09/29/21)



Type of Events	# Events	# Participants
Evidence-based Programs (MHFA)	81	755
MHFA Instructor Training	5	56
Trainings (Botvin Provider)	10	13
Information Sessions	7	155
Set Curriculums (ROR, OPHC, GenRX, GHR, ODL series, Stress Management, Stigma, RCA)	144	4980
Webinars (Practitioner Webinars)	13	669
Youth Programs (TINAD, LifeSkills)	47	866
Total:	307	7494

FCS Updates

Nutrition Health and Wellness Action Team Chair Transition

- Lisa McCoy
- Incoming co-chairs
Dhruvi Patel & Mona Habibi

Dining With Diabetes 2021

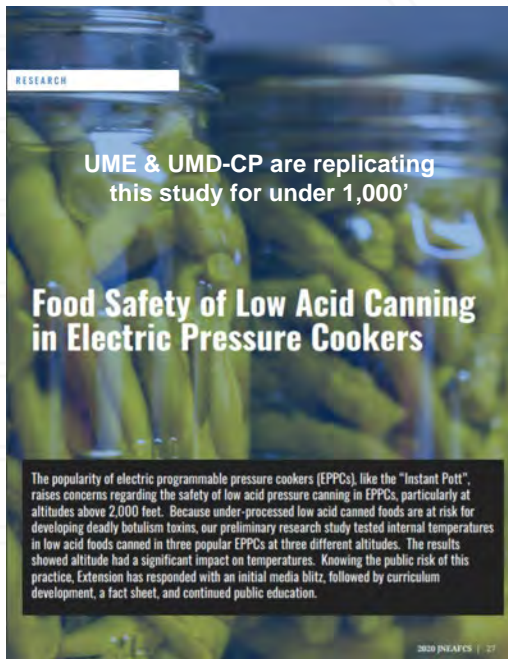
- 10 educators
- Educators began virtual teaching in
December 2020, (4 weekly
sessions, 3-month reunion)

Fresh Conversations 2021:

- Virtual modules offered in
summer
- In-person and train the trainer
began in the fall
- Senior Centers



FCS Updates



- Podcasts
- Webinars
- Ask an Expert
- News paper/letter
- B/vlogs
- Social media
- Phone calls

The Washington Post
Democracy Dies in Darkness

The countdown to Thanksgiving: help!



Tarragon-Butter Roasted Spatchcocked Turkey (Scott Suchman for The Washington Post/food styling by Lisa Cherkasky for The Washington Post)

Dan Souza, the editor in chief of *Cooks Illustrated Magazine*

Kristen Hartke, food writer and recipe developer

Shauna C. Henley, PhD, from University of Maryland's Department of Food and Nutrition

FCS Updates

SNAP-Ed Funding

FY22 Approved FNS Proposal: \$6,910,116

FY22-FY24 Inter Agency Agreement with Department of Human Services:
\$20,002,170

Prior to the COVID-19 pandemic in FY20, SNAP-Ed reached:

- **29,020** youth and adults through in-person education.
- **84,183** participants through educational print or electronic materials.
- **1,268** teachers and staff through training sessions.

During COVID-19, SNAP-Ed reached:

- **267,177** participants at local partner sites through virtual nutrition education sessions, educational print materials, and social media or other electronic messaging.
- **826,112** additional Marylanders through general county-wide efforts, including local television programming and social media posts.

FCS Updates

EFNEP Updates

Congratulations and thank you to Sara Barnard, EFNEP youth educator Allegany County for her 27 years of service. Sara will retire on Dec 31, 2021.

Welcome new educators (Montgomery), Ms. Julie Lee and Ms. Emily Fish.

EFNEP is partnering in Prince Georges County with Department of Social Services, providing nutrition education to foster youth and foster parents.

Funded Grant:

USDA AFRI, (Diet, Nutrition and Prevention of Chronic Disease A1344)

Title: A Cost-Benefit Analysis of EFNEP Utilizing Biomarkers of Chronic Disease Risk

UMD PI: Kavitha Sankavaram, Budget: \$177,286



Sara Barnard

FCS Updates

Farm Stress Focus

USDA MDA Grant

- Webinars, Resources, Free therapy sessions

Farm Stress Webinar Series

- December 6, 9AM, From "But" to "Because" - recording
<https://youtu.be/IBY84dPSCCQ>
- December 13, 9AM, Building Resilient Farms and Farm Families
- December 15, 9AM, Take Charge of Your Stress
- December 20, 9AM, Farm Finance Check Up



For descriptions of the webinars and to register visit:
www.go.umd.edu/farmfamily

FCS Updates

Lead Programs

- **Master Money Mentors***
- **Housing/Eviction Prevention***
- Personal Finance Seminar for Professionals
- Understanding Credit
- Your Money, Your Goals-P.D. for Human Service Providers
- Personal Finance for Adults in Recovery

*National Award Winning Programs

Scholarship

- Fact Sheets
- Journal Articles in Progress
- Grant for Youth Personal Finance
- Focus Group Research
- National Conference Presentations

Service by Team Members

- University Committees, County Financial Coalitions, State Financial Coalitions, National Extension Committees, AFCPE Symposium Planning Committee

Kelly Vaughn



Ms. Kelly Vaughn is the Director of the Office of Community Engagement, Maryland Department of Housing and Community Development

Kristin Wong



Kristin Wong is a Financial Analyst at the Consumer Financial Protection Bureau. Currently, she is a Rent Content Lead for the Federal Housing Help Portal. She has been at the Bureau for five years. Prior to joining, she was completing her master's at Georgetown University's McCourt School of Public Policy.

RESOURCES TO FIGHT A HOUSING INSECURITY CRISIS

Friday, October 22nd



10am - 12pm

Pre-register
here

University programs, activities, and facilities are available to all without regard to race, color, sex, gender identity or expression, sexual orientation, marital status, age, national origin, political affiliation, physical or mental disability, religion, protected veteran status, genetic information, personal appearance, or any other legally protected class.

Any questions may be directed towards jinkim@umd.edu

FCS Updates



EXCITE Project

(Extension Collaborative on Immunization Teaching & Engagement)

- Our EXCITE website:
<https://extension.umd.edu/resource/extension-collaborative-immunization-teaching-engagement-excite>
- E-Newsletters (November 2021: <https://conta.cc/3qNnCW2>)
- Social media metrics:
 - Began boosting posts on 11/16
 - Current Facebook reach (as of 12/10): 8,656
 - Current Instagram reach (as of 12/10): 3,624
 - Facebook Healthy MarDel @healthymardel
- Immunization Education of Agricultural Workers and Stakeholder Interviews and Surveys
 - Trusted sources of information included: Community leaders, friends and family, and doctors/healthcare
 - Untrusted sources included: government and employers

PLEASE JOIN US FOR A PRESENTATION ON COVID-19 VACCINATION

COVID-19 Vaccination: An Update

Dr. Matthew Laurens
University of Maryland
School of Medicine
Center for Vaccine Development and Global Health



October 21, 2021 from 1-2 p.m.



ENST Updates

Bill Bowerman, Chair



ENST: an Interdisciplinary Department



Where the Ag Tag meets the Bay Plate

ENST Updates

One identified State Specialist:

- Soil Fertility Specialist

Two Grant Funded Programs:

- Maryland Agricultural Nutrient Management Program
- Chesapeake Bay Agricultural Program

Featured Faculty:

- Gary Felton
- Gurpal Toor
- David Ruppert
- Amro Hassenein
- Stephanie Lansing

Dr. Gary Felton, Associate Professor

- *Better Composting School*
Teach material to pass MDA Compost Operators Certification exam.
- *Poultry Mortality Composting*
Teach farm operators to compost properly; MDA will release MACS \$
- *Large Animal Composting*
Cost farm about \$50/mortality
- *Teach Master Gardeners*
Bay-Friendly Turf care
Home Composting



Dr. Gurpal Toor, Professor

Field Tour (Oct 7 2021)

Nutrient Management and Water Quality

- Provide statewide leadership and guidance to farmers, state and federal agencies, commodity and environmental groups.
- Develop cost-effective and innovative tools and practices to manage nitrogen and phosphorus in soils and prevent water quality impairment.
- More info: <https://go.umd.edu/Toor>



Dr. David Ruppert, Asst. Clinical Prof.

AgNMPProgram

- 305k acres planned in FY 2021
- 1st budget increase in over 13 years.
- NEW: AgNMPProgram Advisory Council will increase connectivity of AgNMPProgram and UME
- New Planners for most open County positions expected on January 3rd.



Dr. Amro Hassanein, Asst. Res. Scientist

- Created a database of Maryland farmers and businesses interested in bioenergy for waste management.
- Factsheets related to bioenergy. Example: factsheet published for MDA ([Link](#)), that presented a case study: combined anaerobic digestion and nutrient capture system.
- Developed ENST Bioenergy Extension Website ([Link](#)).
- Provides technical support to farmers instated in bioenergy via phone calls, emails, virtual meeting or site visits.
- Established a mobile application as a platform for K-12 education on digester basics.



Case Study: Combined anaerobic digestion (AD) and nutrient capture system (NCS) for energy production and nutrients recovery from poultry litter on the Eastern Shore of Maryland.

Reason for AD-NCS with poultry litter in Maryland:
Least application of poultry litter as a nitrogen source continuously results in three to five times higher application of P than the crop need. Leaching of nutrients from these soils over the years has contributed to the eutrophication of the Chesapeake Bay. The goal of the technology was to produce energy from poultry litter and reuse as a fertilizer or soil amendment. The biogas generated by the AD of the poultry litter was used to heat up the digester and generate electricity. While the anaerobic solid separator and filter press extract the solids and nutrients from the AD effluent.

Poultry litter anaerobic digestion challenges:
Anaerobic digestion (AD) of poultry litter (PL) is far less common than other substrate, with only seven operational AD systems utilizing PL in the US. The primary barriers for PL digestion are its low moisture content and high total ammonia-nitrogen (TAN) levels. Therefore, successful AD requires the addition of water to the substrate, dry (~30%) substrate content (water prior to AD processing). Following AD treatment, the large volume of liquid, nutrient-rich effluent from the AD process must be field applied to the cropland, from the effluent must be extracted to make the process valuable to the local poultry sector. While current digesters technologies, nutrient recovery have existed for over a decade, there has been relatively few research projects on nutrient recovery from PL due to the industry inaccessibility.



Figure 1. Photo: Ennst Energy Development, LLC. On the right: poultry litter anaerobic digestion system, it uses QR code for ID process control. In Combined AD and nutrient capture system (NCS) process to produce energy and nutrient recovery from poultry litter.

Process and System Description:



Anaerobic Digestion Extension Faculty:

- Dr. Stephanie Lansing
- Dr. Amro Hassanein

<https://enst.umd.edu/extension/anaerobic-digestion>

https://mda.maryland.gov/resource_conservation/counties/UMD%20Factsheet%20PFED%20Poultry%20Litter%20Digester.pdf

Dr. Stephanie Lansing, Professor

- Co-Vice Chair of the Maryland Food Systems Resiliency Council (FRSC) and Chair of the Environment and Production Subcommittee. The first report: <https://mdem.maryland.gov/Documents/MFSRC-Interim-Report-to-MGA-Nov12021.pdf> and the information on the FRSC is here: <https://mdem.maryland.gov/Pages/md-fsrc.aspx>
- Serves as the Alternative Manure Technology Expert on MDA's PMT Committee and the UMD representative to EPA AgSTAR's Digestion Partners.





Questions?



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Thank you