

MICHELLE R. PAUKETT VITAE

206A Buckhout Lab | University Park, PA 16802 | mrp354@psu.edu

EDUCATION

- 2018-Present **PhD Candidate in Plant Pathology & International Agriculture and Development**
Pennsylvania State University, State College, PA
- 2016 **Master of Science in Agricultural Economics**
Texas A&M University, College Station, TX
Thesis: Revenue Impacts of the 2015 Influenza Virus Outbreak on US Table Egg Wholesalers
- 2015 **Bachelor of Science in Animal & Food Science**
Bachelor of Science in Food & Agribusiness Marketing & Management
University of Delaware, Newark, DE

PROFESSIONAL & RESEARCH EXPERIENCE

**Work Resulted in Co-Authored Presentations &/or Publications (See Below)*

- 2018–Present **Graduate RA**
Esker Lab *Dept. of Plant Pathology & Environmental Microbiology, Penn State University*
- *Mortierella spp., Pythium and the Microbiome in PA Soybean Agriculture**
- On-Farm Network Cross-Cultural Case Study Analysis of Structure & Adaptability*
- PA Soybean On-Farm Network Evaluation Plan Design & Facilitation*
- Teaching Assistant for Integrated Pest Management (AGECO/ENT 457), Fall 2020
- 2016-Present **Project Specialist** *Knowledge Engineering, Texas A&M Engineering Extension Service*
- Community Comprehensive/Strategic Plan & Competitiveness Assessment Development*
- Basic Economic Development Course Management & Evaluation
- 2015–2016 **Graduate Assistant** *Dept. of Agricultural Economics, Texas A&M University*
- Econometric Modeling of Revenue Impacts of the 2015 Avian Influenza Outbreak*
- Agricultural Marketing Online Course Material Development
- 2015 **Interviewer** *Voter Consumer Research, College Station, TX*
- Confidential National Phone Survey Interview Facilitation
- 2013-2015 **Research Assistant**
Seyfferth Lab *Dept. of Plant & Soil Sciences, University of Delaware*
- Silicon & Arsenic Uptake in Rice With & Without *M. oryzae**
- Heavy Metals in US Mushroom Industry*
- 2014 **Student Researcher** *Dept. of Applied Economics & Statistics, University of Delaware*
-Willingness-to-Pay for Organic Grape Tomatoes from Different Retail Outlets*
- 2012-2014 **Research Volunteer** *Dept. of Plant & Soil Sciences; Dept. of Animal & Food Science, University of Delaware*
-Plant Pathology (2014); Food Safety (2015); Poultry Research (2012-2013)

PROFESSIONAL ASSOCIATIONS

- Since 2019 **American Phytopathological Society**
- Since 2012 **National Society of Collegiate Scholars**
- 2017 **Food Distribution Research Society**
- 2016 **Agricultural and Applied Economics Association**

GRANT AWARDS

- 2021 Penn State College of Agricultural Sciences INTAD Competitive Grant (\$2,000)**
- 2020 Northeast Sustainable Agriculture Research and Education Graduate Student Grant Award (\$14,986)**

HONORS AND AWARDS SINCE 2014

- 2021 Arthur and Rita Gaspari Memorial Scholarship**, Penn State University
- 2020 APS Student Travel Award**, American Phytopathological Society Annual Meeting held virtually
SPS Congressional Hill Day Selected Attendee (Trip postponed), PSU Science Policy Society
- 2019 Elwin L. Stewart & Barbara J. Christ Plant Pathology Graduate Studies Enhancement Fund**, Penn State University
- 2018 Fund for Excellence in Graduate Recruitment Stipend Supplement Award**, Penn State University
- 2017 Richardson-Applebaum Outstanding MS Thesis Award**, Food Distribution Research Society
Undergraduate Honors & Awards, University of Delaware
- 2015 (10 Total)** Outstanding Senior Award in Food & Agribusiness Marketing & Management;
Dean's Award for Undergraduate Excellence; Animal & Food Science Faculty Award;
Magna Cum Laude; US Poultry College Student Career Program;
7th Place Northeast Student Affiliate Competition Independent Research Presentation
Pat and Charles Genuardi Scholarship & Raymond C. Smith Award, *Initially received in 2014*
Harry Hayward Scholarship, *Initially received in 2012*
Deans List, *Initially received in 2011*
- 2014 (2 Total)** CANR Summer Institute Scholar; Research Ethics Essay Winner

SERVICE & OUTREACH

- 2021-2022 **MEGA PresPrep Session Coordinator**, PSU Multicultural Engineering Graduate Association
Social Committee Member, Penn State University Department of Plant
Pathology & Environmental Microbiology
- 2020-2021 **Seminar Committee Student Representative**, Penn State University Department of Plant
Pathology & Environmental Microbiology
Plant Pathology Association Webmaster, Penn State University, *Member from 2018-Present*
Extension & Graduate Student Committee Member, American Phytopathological Society
- 2020 **IPM 457 Fall 2020 Teaching Assistant**, Penn State University with Drs. Crandall & Hermann
- Since 2019 **Multicultural Engineering Graduate Association Member**, Penn State University
Science Policy Society Member, Penn State University
International Community of Friends, Pennsylvania State University
- 2011-2015 **Undergraduate Student Organization Positions**, University of Delaware
Horticulture Club: Public Relations Committee, 2015
Newcastle Hall Student Life: 2nd Floor Co-Captain, 2014–2015
College of Agriculture & Natural Sciences: Ag Ambassador, 2012–2015
Animal Science Club: Livestock Committee, 2011–2015
Caldwell's 2nd Fife & Drum Corps: Secretary, 2013–2014
- 2005–2012 **East River Riders 4H Club Member**, Broome County, NY

SELECT RECENT SPECIAL TRAININGS

- 2021 **Catalyzing Advocacy in Science & Engineering (CASE) Workshop**, Virtually Hosted by AAAS
Data Analysis Working Group (DAWG) Workshops, Penn State University Microbiome Center
Penn State University Safety Trainings, Farm Safety & Worker Protection Standard Trainings
PPEM Diversity Trainings, Presented by Dr. Ingram at Penn State University
- 2020 **Graduate Student Online Teaching Certificate**, Penn State University World Campus (OL 2050)
- 2019 **UNESCO Activating Empathy Workshop**, Held at Penn State University
Fusarium 2019 Workshop, Held at Kansas State University
Alan Alda Science Communication Workshop, Hosted by the PSU Science Policy Society
How to Be Your Own Self-Mentor, Presented by Dr. Carolee Bull at Penn State University
CITI Human Subjects Training, Recertification with Penn State Affiliation; Initial training completed
at University of Delaware in 2014
- 2018 **Penn State University Research & Laboratory Trainings**, Autoclave, EHS Lab Safety, Agricultural
Worker Protection Standard & SARI Ethics Trainings
Critical Conversations Training, Presented by Dr. Carolee Bull at Penn State University
Improving Communication through Improv Theater, Held at Penn State University

ORAL PRESENTATIONS

- “Facilitating the Future of Sustainable *Pythium* Management.” 2021. *Pennsylvania State University’s Plant Pathology & Environmental Microbiology Department Spring 2021 Seminar Series*, State College, PA.
- “Community Climates of Change: From the Microbiome to On-Farm Networks.” 2019. *Pennsylvania State University’s Plant Pathology & Environmental Microbiology Department Fall 2019 Seminar Series*, State College, PA.
- “Impact Evaluation of On-Farm Networks: A Case Study Using the PA Soybean On-Farm Network.” 2019. *7th Annual Rural Studies Student Conference*, State College, PA.
- “Interactions Between Silicon, Arsenic, and *Magnaporthe oryzae* in Rice Plants.” 2016. *Texas A&M University Ecological Integration Symposium*, College Station, TX.
- “In FSMA I Trust: How the Food Safety Modernization Act Affects Attitudes Towards Organic Grape Tomatoes from Different Venues.” 2015. *Northeast Student Affiliate Competition*, State College, PA.

POSTER PRESENTATIONS

- “*Pythium* species found in Pennsylvania soybean production systems.” 2021. *American Phytopathology Society Annual Meeting*, Virtual.
- “Distribution and characterization of *Pythium spp.* in Pennsylvania soybean fields facing unique microclimatic and soil conditions.” 2020. *American Phytopathology Society Annual Meeting*, Virtual.
- “Dynamics of the Economic Impact Associated with the 2015 Avian Flu Virus in the United States.” 2016. *Agricultural and Applied Economics Association Annual Meeting*, Boston, MA.
- “Interactions Between Silicon, Arsenic, and *Magnaporthe oryzae* in Rice Plants.” 2014. *5th Annual University of Delaware Undergraduate Research & Service Celebratory Symposium*, Newark, DE.

RESEARCH PUBLICATIONS

- Griffith, A., Wise, P., Gill, R., **Paukett, M.**, Donofrio, N., Seyfferth, A. 2021. Combined effects of arsenic and *Magnaporthe oryzae* on rice and alleviation by silicon. *Science of the Total Environment*, 750:142209.
- Ellison, B., Bernard, J. C., **Paukett, M.**, Toensmeyer, U. C. 2016. The influence of retail outlet and FSMA information on consumer perceptions of and willingness to pay for organic grape tomatoes. *The Journal of Economic Psychology*, 55:109-119.
- Seyfferth, A., McClatchy, C., **Paukett, M.** 2016. Arsenic, lead, and cadmium in U.S. mushrooms and substrate in relation to dietary exposure. *Environmental Science & Technology*, 50(17):9661-9670.
- Seyfferth, A., Morris, A., Gill, R., Kearns, K., Mann, J., **Paukett, M.**, Leskanic, C. 2016. Soil incorporation of silica-rich rice husk decreases inorganic arsenic in rice grain. *Journal of Agricultural & Food Chemistry*, 64(19):3760-3766.

EXTENSION PUBLICATIONS

- Esker, P., Luong, K. McFeaters, T., Paukett, M. 2020. Improving Stakeholder Knowledge and Management in Soybean Using Survey Methods. Penn State Extension.
- Texas A&M Engineering Extension Service. 2017. Waller County Comprehensive Strategic Plan. *Prepared for Waller County, TX*. Client POC: The Honorable Judge Carbett “Trey” J. Duhon III. TEEX POC: Lisa Mutchler, Program Director.
- Texas A&M Engineering Extension Service. 2016. Lake Jackson Comprehensive Competitiveness Assessment. *Prepared for The City of Lake Jackson, TX*. Client POC: William P. Yenne, City Manager. TEEX POC: Lisa Mutchler, Program Director.

ART & CREATIVE WRITING AWARDS

*Published under the pen name RRRadan

- 2021 Art in Phytopathology: Nature Category, 1st Place**, APS Annual Meeting, Virtual
 “*Armillaria*”, PSU 'Through the Woods' Fall Theme Short Edition Contest, Juried Selected Winner*
- 2020 “Alaskan Reunion”**, PSU 'April Showers' Spring Theme Short Edition Contest, Juried Selected Winner*
- 2019 Art in Phytopathology: Magnified Category, 1st Place**, APS Annual Meeting in Cleveland, OH
 “An Island Brunch”, PSU 'Brunchin' Around' Fall Theme Short Edition Contest, Juried Selected Winner*