

2023 AUBURN UNIVERSITY COLLEGE OF AGRICULTURE GRADUATE STUDENT RESEARCH POSTER SHOWCASE WINNERS

We are pleased to announce the winners of the 2023 College of Agriculture (COA) Graduate Student Research Poster Showcase competitions. Eighty-two (82) posters were presented in person on October 26th, and each poster was evaluated by three judges (faculty and industry partners). Based on the evaluations, we are pleased to announce the following students as winners (including ties) of the 2023 poster competitions:

Ph.D. Poster Winners:

- **Shima Rezaei (A-P-01)**, Biosystems Engineering, Poster title: *Green Solutions for Food Deserts: Algae and Decoupling in Biofloc Aquaponics*
- **Hamid Syed (A-P-07)**, Biosystems Engineering, Poster title: *Automated Inventory Management and Quality Assessment in Ornamental Nurseries*
- **Rajveer Singh (B-P-03)**, Crop, Soil and Environmental Sciences, Poster title: *Supplemental Nitrogen for Broiler-Litter-Fertilized Cotton*
- **Tayler Schillerberg (B-P-05)**, Crop, Soil and Environmental Sciences, Poster title: *Agriculture Exposure Intensifies Due to Future Compound Climate Events*
- **Kylie Weis (E-P-01)**, Entomology and Plant Pathology, Poster title: *Diversity of Mobile Genetic Elements and Associated Fitness Factors to Elucidate the Evolution of Xanthomonas*
- **John Mahas (E-P-02)**, Entomology and Plant Pathology, Poster title: *The spatiotemporal distribution, abundance, and seasonal dynamics of cotton-infesting aphids in the southern U.S.*
- **Jorge Sandoval (F-P-04)**, Poultry Sciences, Poster title: *Effect of different dietary protein sources on skeletal muscle growth characteristics and satellite cell mitotic activity of young piglets*
- **Isaac Vargas (F-P-09)**, Poultry Sciences, Poster title: *Effect of Corn Origin on Broiler Performance, Processing Yield, and Nutrient Digestibility from 1 to 35 Days of Age*

MS Poster Winners:

- **Vishawjot Sandhu (A-M-02)**, Biosystems Engineering, Poster title: *Using HYDRUS-1D to Quantify Zinc Loss in Leachate from Fields Fertilized with Poultry Manure*
- **Chhabi Raj (B-M-06)**, Crop, Soil and Environmental Sciences, Poster title: *Poultry Litter's Impact on Water Quality Under One Acre-Inch Rainfall*
- **Omolola Bankole (C-M-01)**, Agricultural Economics and Rural Sociology, Poster title: *Hemp Market Dynamics: Analysing the trend in consumer behavior and perception of CBD*

- **Clarie Schloemer (E-M-09)**, Entomology and Plant Pathology, Poster title: *Taking it to the field: organic management of M. incognita in sweetpotato using winter cover crops and biological control*
- **Navdeep Kaur (E-M-11)**, Entomology and Plant Pathology, Poster title: *Pseudogenes and host specificity in a bacterial plant pathogen*
- **Abigail McConnell (F-M-03)**, Poultry Sciences, Poster title: *Isolation of Campylobacter from bile sourced from poultry and association with cecal counts, gallbladder size, and bile color*
- **Rodrigo Hernandez (F-M-14)**, Poultry Sciences, Poster title: *Effect of metabolizable energy levels and conditioning temperature on broiler performance, processing yield, and nutrient digestibility from 1 to 42 days of age*

Undergraduate Poster Winner:

- **Matthew Hughes (U-01)**, Poultry Science, Poster title: *Should you reuse egg cartons? A study of Salmonella Enteritidis cross-contamination between egg cartons and eggshells*