



Congratulations to all of the finalists of the ASABE Student Oral/Poster Presentation Competition, held during the 2022 Annual International Meeting.

Each finalist received a \$250 prize check. For more information on the competition, please visit our website: <https://asabe.org/Poster>

Reza Serajian placed in the ASE community competition for the presentation titled “Designing a feed-back control system for optimizing a novel low-dust almond pickup machine”

Agustin Olivo placed in the EOPD community competition for the presentation titled “Engaging High School Students in Assessments of Agriculture Environmental Sustainability Through Whole Farm Nutrient Mass Balances”

Poulami Roy placed in the ES community competition for the presentation titled “Understanding the synergistic effects of feedstock blending and catalyst support on hydrotreatment of algae HTL biocrude with non-edible vegetable oil”

Lillian Lower placed in the ES community competition for the presentation titled “Thermophilic Anaerobic Digestion of Lemnaceae for Biogas Production”

Gabrielle Myers placed in the ES community competition for the presentation titled “Cost Assessment of Centralizing a Swine Manure and Corn Stover Co-Digestion System”

Aaron Etienne placed in the ESH community competition for the presentation titled “Development of a Public Database for Lone Agricultural Worker Incident Reporting”

Hanwook Chung placed in the ITSC community competition for the presentation titled “Development of a Modeling Tool using CFD and Deep Learning for Agricultural Engineering Applications”

Shelly Hunt placed in the ITSC community competition for the presentation titled “Environmental Parameterizations for Predictive Agriculture”

Mohamed Ali placed in the ITSC community competition for the presentation titled “Active-Laser Scanning and Intelligent Picking for Automated Loading of Agricultural Commodities to Processing Machines”

Rubab Ajmal placed in the ITSC community competition for the presentation titled “Path detection in orchards using CNN-based semantic segmentation”

Liyi Luo placed in the ITSC community competition for the presentation titled “an annotation-efficient 3D deep learning network for plant shoot segmentation using point clouds”

Karla S. Ladino placed in the ITSC community competition for the presentation titled “Development and Calibration of Pressure-Temperature-Humidity (PTH) Probes for Distributed Atmospheric Monitoring using Unmanned Aircraft Systems”

Taylor A. Cross placed in the MS community competition for the presentation titled “An Analysis of Sensor-Based Fertigation Management Determined by Unmanned Aerial Vehicles in Corn Production”

Behnaz Molaei placed in the MS community competition for the presentation titled “Investigating Practical Artificial Hot and Cold Reference Surfaces for Improved ET Estimation using the UAS-METRIC Energy Balance Model”

Mark J. Schrader placed in the MS community competition for the presentation titled “Thermal analysis of heated spray and implications for agricultural spray technologies”

Lindsey Hartfiel placed in the NRES community competition for the presentation titled “Spatial Pollutant Interactions within a Dual-Chamber Denitrification Bioreactor”

Vinicius Taguchi placed in the NRES community competition for the presentation titled “Understanding Phosphorus Dynamics in Urban Stormwater Ponds”

Eric Wilkening placed in the NRES community competition for the presentation titled “Cyclic Failure of Water Pressure Regulators in Variable Rate Irrigation Applications”

Emily Leupp placed in the NRES community competition for the presentation titled “Evaluating Maintenance Requirements and Water Quality Benefits of Alternative Linings in Roadside Swales”

Gabriel M. Johnson placed in the NRES community competition for the presentation titled “Nitrate Removal in Saturated Riparian Buffers In Iowa”

Kalyani Ananthkrishnan placed in the NRES community competition for the presentation titled “Co-production of biogas and hydrochar from the mixture of sawdust and brewer's spent grain”

Maria Jose Oviedo Ventura placed in the NRES community competition for the presentation titled “Evaluation of geospatial data for livestock operation location and estimate manure nutrient utilization capacity in five Nebraska counties”

Matthew Herkins placed in the PAFS community competition for the presentation titled “A Review of Best Available Technologies (BATs) to Control Pathogenic Microorganisms in Commercial Poultry Production Facilities”

Abass A. Oduola placed in the PAFS community competition for the presentation titled “Growth and Aflatoxin Producing Potential of Model *Aspergillus flavus* NRRL 3357 Subjected to Radiant Infrared Heat Treatments”

Peiyang Li placed in the PAFS community competition for the presentation titled “Continuous air cleaning by filtration and UV-C treatment of airborne pathogens and particulate matter in indoor spaces”

Deandrae Smith placed in the PRS community competition for the presentation titled “Development of a Radio-Frequency Heating Technology for Rice Drying”

Amir Malvandi placed in the PRS community competition for the presentation titled “Sustainable and accelerated drying of fruits and vegetables using a novel sub-pilot ultrasonic contact drying system”

Faith Achieng Ouma placed in the PRS community competition for the presentation titled “Effect of High-Power Short-Time Microwave Heating on Inactivation of Microbes on Rough Rice”

Surabhi Wason placed in the PRS community competition for the presentation titled “In- package pasteurization of dried basil leaves using radiofrequency processing”