



Congratulations to all of the finalists of the ASABE Student Oral/Poster Presentation Competition, held during the 2021 Annual International Meeting.

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

Al Ibtiba Sultana placed in the ASE+EOPD community competition for the presentation titled “Capturing Carbon Dioxide on Deep Eutectic Solvent Functionalized-Superactivated Hydrochars Synthesized from Loblolly Pine”

Trevor Vook placed in the ASE+EOPD community competition for the presentation titled “Graphitization of Paper Waste into Anode Material for Lithium-Ion Batteries”

Kaylyn Groce placed in the ASE+EOPD community competition for the presentation titled “Using The FieldPrint Calculator To Improve Cotton and Peanut Sustainability Production Practices in Georgia”

Kelly Sandner placed in the ES+ESH community competition for the presentation titled “Categorization and Analysis of Past Farm Fatality Incidents to Inform Autonomous Machine Design and Risk Analysis”

Max Salzer placed in the ES+ESH community competition for the presentation titled “High-Solids Pretreatment and Enzymatic hydrolysis of Pelleted Corn Stover with Improved Sugar Yields”

Youngjoon Jeong placed in the ES+ESH community competition for the presentation titled “Simulation of Solar Irradiance Distribution under Agrivoltaic Facilities”

Daniel Petti placed in the ITSC community competition for the presentation titled “Graph Neural Networks for Plant Organ Tracking”

Uddhav Bhattarai placed in the ITSC community competition for the presentation titled “Simplifying Apple Flower/Fruit Counting: A Weakly Supervised Approach”

Patricia Cadena placed in the ITSC community competition for the presentation titled “Dry Matter Dynamics of Cassava Roots”

Aanis Ahmad placed in the ITSC community competition for the presentation titled “Comparison of Deep Learning Models for Corn Disease Identification, Tracking, and Severity Estimation using Images Acquired from UAV-Mounted and Handheld Sensor”

Alysa Gauci placed in the MS community competition for the presentation titled “Scalability of Yield Monitor Data for Supporting On-Farm Research”

Samantha Teten placed in the MS community competition for the presentation titled “Challenges and Opportunities of Active Sensor-Based Nitrogen Management in Maize”

Ertai Liu placed in the MS community competition for the presentation titled “Deep Learning-based Autonomous Downy Mildew Detection and Severity Estimation in Vineyards”

Gabriel Johnson placed in the NRES community competition for the presentation titled “A Survey of Hydraulic Properties for Bioreactor Woodchips Available Across the U.S. Midwest”

Russell Smith placed in the NRES community competition for the presentation titled “Sampling and Estimation of Surface Phytoplankton Concentrations in Brackish Environments via Autonomous Surface and Aerial Vehicles”

Brock Kamrath placed in the NRES community competition for the presentation titled “Influence of Age and Pre-Treatment on Nitrate Removal in a Free Water Surface Constructed Wetland”

Emine Fidan placed in the NRES community competition for the presentation titled “Understanding Flood Water Quality Dynamics Using Flood Modeling and Contact Time Estimates”

Qiong Su placed in the NRES community competition for the presentation titled “Improving the Reliability of Monthly and Seasonal Weather Forecasts of the North American Multi-Model Ensemble (NMME) for Regional Crop Modeling”

Xiaohan Mei placed in the NRES community competition for the presentation titled “A Comparison of Daily Streamflow Prediction by an Artificial Neural Network and the Soil and Water Assessment Tool (SWAT) in Two Small Watersheds in Central South Texas”

Darcy Bonds placed in the NRES community competition for the presentation titled “The Nose Knows! Interactions between Soil Smell and Soil Health”

Haley Stockham placed in the NRES community competition for the presentation titled “Life Cycle Greenhouse Gas Emissions Assessment of Dairy Manure Management via Ensilage”

Baitong Chen placed in the PAFS community competition for the presentation titled “Mitigation of Acute H₂S and NH₃ Emissions from Swine Manure During Agitation Using Pelletized Biochar”

Peiyang Li placed in the PAFS community competition for the presentation titled “Basics of Ultraviolet C (UV-C) Light”

Ryan Jeon placed in the PAFS community competition for the presentation titled “Automated Visual Angle Measurements in Gilt Selection”

Sonali Raghunath placed in the PRS community competition for the presentation titled “Optimization and Effect of Processing Parameters of Pulsed Electric Field Treatment on Insolubility Index of Reconstituted Milk Protein Concentrate 85 (Mpc85)”

Ke Wang placed in the PRS community competition for the presentation titled “Techno-Economic Analysis on an Industrial-Scale Production System of Biodegradable Plastics from Cheese by-Products by *Haloferax Mediterranei*”

Elizabeth Seidl placed in the PRS community competition for the presentation titled “Phytic Acid”

Allan Chio placed in the PRS community competition for the presentation titled “Heterotrophic Production of Microalgae *Chlorella Sorokiniana* Using Hydrolysed Lactose as Substrate”