

#	Presenter	Faculty	Title	Unit	Area of Research
25	Taylor Bird	Amber Rice	Preservice Agriculture Teachers? Science Content Knowledge through CASE	AgEd	Content Knowledge
24	Taylor Merrick	Amber Rice	Leadership and Entrepreneurship Education Through a Collaborative, Flipped Classroom	AgEd	Agriculture Education
9	Joshua Lin	Arun Dhar	Diagnostic Techniques for Infectious Diseases in Shrimp	ACBS	Aquaculture Pathology
55	Ashley Bickel	Ashley Bickel	Simple Approaches to Examine Economic Impacts of Water Reallocations from Agriculture	AREC	Economics, Water
1	Ashley Wright	Ashley Wright	Forage Testing Provides Valuable Information to Arizona Producers with Cattle Grazing Native Rangelands	CE	Livestock
43	Kyle Harrington	Ayman Mostafa	Management of Sugarcane Aphid (Hemiptera: Aphididae) in Forage Sorghum in Arizona	ENTO	Field Crops IPM
42	Worku Burayu	Ayman Mostafa	Irrigated Alfalfa Response to P and K Fertilizers in the Low Desert Arizona	CE	Field Crops
70	Bailey Bellavance	Bailey Bellavance	Mapping Earth Fissure in Arizona Using UAV-Based Multi-Angle Photography	SNRE	Arid Lands
51	Barry Pryor	Barry Pryor	Modification of nutritional and nutraceutical content in mushrooms by variation of substrate and LED illumination.	SPS	Food Environment
7	Daniella Peinovich	Betsy Greene	Sand Concentration in Fecal Matter of Horses from Different Housing Backgrounds	ACBS	Animal Health
8	Juan Arias	Betsy Greene	Arizona Federally Recognized Tribal Extension Program (FRTEP): Who, What, Where?	ACBS	Tribal Extension
46	Bonnie Hurwitz	Bonnie Hurwitz	Planet Microbe: Toward the integration of oceanographic 'omics, environmental and physiochemical data layers	BE	Bioinformatic
40	Walter Betancourt	Charles Gerba	The Water & Energy Sustainable Technology (WEST) Center's Microbiology Team	SWES	Microbiology
26	Joanie Contreras Contreras	Daniel McDonald	Extension Food Nutrition Education Program 50th Anniversary	CE	Nutrition Based Outreach program for limited resource and low income audiences.
27	Dari Duval	Dari Duval	Geographic Distribution of SNAP-Ed Eligible Population and Direct Education Participation in Arizona	AREC	Agricultural & Resource Economics

19	Katherine Speirs, PhD	Deborah Curley, MPH	Engaging Parents	CE	FCHS
2	Blase Evancho	Duarte Diaz	Arizona Extension Dairy Forage Initiative	CE	Agronomy
76	Maowei Liang	Elise Gornish	Large influence of a small rainfall pulse on long-term plant community dynamics in a semi-arid rangeland	SNRE	Rangelands Management and Restoration
77	Marci Caballero-Reynolds	Elise Gornish	Constructing and Operating a Bicycle-Powered Seed Pelletizing Machine for Use in Gardening and Ecological Restoration	SNRE	Ecological Restoration
28	Elizabeth Sparks	Elizabeth Sparks	Evaluation of the FARMacy Program - A Prescription for a Healthier Community	CE	Obesity prevention
22	Emre Toker	Emre Toker	An Entrepreneurship Education Engine Model for Universities	AgEd	Innovation and Entrepreneurship
16	Farhan Anwar	Gayatri Vedantam	Clostridium difficile associated disease: looking beyond the toxins	ACBS	Microbiology
17	Rachel Claus-Walker	Gayatri Vedantam	Clostridium Difficile Infection Surveillance In A Healthcare Setting: Strain Diversity And Identification Of Novel Molecular Types (Ribotypes)	ACBS	Microbiology
52	Charles Parrish	Gene Giacomelli	Optimizing Spectral Quality with Quantum Dots for Controlled Environment Agriculture	Other	Controlled Environment Agriculture; Optics
79	Brandon Mayer	George Ruyle	Machining a Solution to Data Heavy Rangeland Research: Case study with Camera-trap photo processing	SNRE	Rangeland management
78	Flavie Audoin	George Ruyle	Comparison of Grazing Behavior of Ranged Raramuri Criollo Steers During Pre-monsoon and Monsoon Seasons	SNRE	Grazing Behavior, Diet Selection and Meat Characteristics of Ranged Raramuri Criollo Cattle during each season in Southeastern Arizona
80	Sarah Noelle	George Ruyle	Rangelands Rock! Learn about Rangeland Ecology and Management on Global Rangelands / Rangelands West	SNRE	Rangeland Management
81	Sarah Noelle	George Ruyle	Natural Resource Users Law and Policy Center	SNRE	Natural Resources Law
44	Gloria Villa Barbosa	Gerardo Lopez	Cyclospora: Potential Reservoirs and Occurrence in Irrigation Waters	ACBS	Environmental Microbiology

15	Haiquan Li	Haiquan Li	Integrative Analysis Unveiled Convergent Downstream Effects of eQTLs Susceptible to Alzheimer's Disease	BE	Translational bioinformatics
48	Megan Nickerson	Jana U'Ren	Influence of host phylogeny and leaf chemistry on foliar endophytic communities of Quercus	BE	Ecology, Evolution, Symbiosis, Microbiome
29	Heather Robinson	Jenn Parlin	The Garden Kitchen	CE	Family and Consumer Sciences
74	Jeremy Weiss	Jeremy Weiss	Mapping Climate Exposure and Climate Information Needs to Water Utility Business Functions	SNRE	water resources and management
56	Cyrus Mao	Jiahuai Hu	In vitro evaluation of fungicides for the management of citrus brown wood rot in Arizona	SPS	Plant Pathology
57	Bryan Moravec	Jon Chorover	Architecture of the deep critical zone, Jemez River Basin Critical Zone Observatory, Valles Caldera National Preserve, Northern New Mexico	SWES	Environmental Geochemistry
59	Michael Pohlmann	Jon Chorover	Catchment-scale redistribution of lithogenic solutes and black carbon over three years following wildfire in the Jemez Mountains, New Mexico, USA	SWES	Soil biogeochemistry following wildfire
58	Nicholas Buchanan	Jon Chorover	Geochemistry of Iron King Legacy Mine Tailings treated through Phytostabilization	SWES	Environmental Chemistry, Contaminate Fate and Transport, Superfund Sites
60	Norma Villagómez-Márquez	Jon Chorover	Chemicals of Emerging Concern in Roof-harvested Rainwater	SWES	Water Science, Organic Chemistry, Analytical Chemistry
64	Shelby Hoglund	Joseph Blankinship	Increasing soil carbon for future water solutions and desert agricultural sustainability	SWES	Soil Biogeochemistry
47	Seth Steichen	Judith Brown	Characterizing infections and host-pathogen interactions of Chlorella spp. by the predatory algal bacterial pathogen, Vampirovibrio chlorellavorus	SPS	Microbial Genomics and Algal Biofuels
41	Worku Burayu	Kai Umeda	Nativegrasses and Groundcovers for Landscapes of Arizona	CE	Turfgrass Science
40A	Baishali Barua	Kamel Didan	Multiscale Opportunistic Fusion of NEON, Landsat TM/OLI, MODIS and VIIRS Data for the Validation of Satellite based Vegetation Index Time Series	BE	Remote Sensing Data and Methods

67	Chao Qin	Katerina Dontsova	Adsorption of Insensitive Munition to Water-Dispersible Clay: Impact of Organic Carbon, Aluminosilicate Clay, and Extractable Iron.	SWES	Soil and Environmental Quality
66	Yake Wang	Katerina Dontsova	Saturated Column Transport Studies of Insensitive and Traditional Munitions in Soil	SWES	Contaminant Transport in porous media
21	Hope Wilson	Katherine Speirs	Seed to Read Program Development	FCS	Early Childhood
20	Katherine Speirs	Katherine Speirs	Child Care Providers? Use of Role Modeling to Promote Healthy Eating	FCS	Early Childhood
14	Kerry Cooper	Kerry Cooper	Characterization of Tree Fruit Bacterial Communities during Harvest	ACBS	Food Safety
69	Kyle Hartfield	Kyle Hartfield	DroughtView 2.0: A Satellite Based Vegetation Drought Monitoring Web Application	SNRE	Remote Sensing
65	Dana Thorne	Laura Meredith	Assessing GI influences on soil microbial hydrogen consumption.	SNRE	Urban ecology
32	Kathryn Orzech	Laurel Jacobs	Assessing the Availability, Appeal, and Promotion of Healthier Foods in Arizona Small Stores	NutSc	Health Disparities
13	Kithsiri Wijeratne	Leslie Gunatilaka	Discovery & Development of Natural Product-Based Potential Immuno-Therapeutics for Melanoma	SNRE	Natural Products-Based Drug Discovery
62	Roya AminiTabrizi	Malak Tfaily	Changes in Dissolved Organic Matter along a Permafrost Thaw Chronosequence in a Subarctic Peatland	SWES	Carbon cycling, climate change
49	Kelly Dew-Budd	Mark Beilstein	RNA-directed DNA Methylation mediates parental conflict during seed development in <i>Capsella grandiflora</i> (Brassicaceae)	SPS	Plant Genetics
50	Kyle Palos	Mark Beilstein	Molecular and Phenotypic Characterization of a Noncoding RNA in <i>Arabidopsis thaliana</i>	SPS	Genetics
71	Ebrahim Babaeian	Markus Tuller	A New Unmanned Aircraft System-Assisted Optical Trapezoid Model for Soil Moisture Estimation	SWES	Remote Sensing of Soil Moisture
72	Ebrahim Babaeian	Markus Tuller	Relating Evapotranspiration Rate, Soil and Plant Temperature, and SWIR Reflectance to Estimate Root Water Uptake	SWES	Remote Sensing of Land Surface Processes
73	Mohammad Gohardoust	Markus Tuller	Hydraulic and Aeration Properties of Soilless Greenhouse Substrate Mixtures	SWES	Soilless Greenhouse Culture
38	Martha Gebhardt	Martha Gebhardt	Increasing STEM Capacity in the Local Community at The Santa Rita Experimental Range	CE	STEM Outreach/Education

53	Andrea Carter	Martha Hawes/Michael Ottman	Root Traits Associated with Drought Tolerance in Barley	SWES	Rhizosphere/Agronomy
75	Brieanna Whitehair	Matt Goode	Life in the City: Spatial Ecology of the Desert Spiny Lizard (<i>Sceloporus magister</i>) in Tucson	SNRE	Ecology and Conservation
61	Hamdhani Hamdhani	Michael Bogan	Water Quality Dynamics in an Effluent-dominated Reach of the Santa Cruz River, AZ	SNRE	Stream Ecology
18	Michael Riehle	Michael Riehle	Insulin signaling in mosquitoes: A novel mechanism for controlling malaria and dengue	ENTO	Medical ENTO
36	DeeDee Avery	Michele Walsh	UACE Common Measures: Creating an Evaluation System across CE Program Areas	FCS	CE
37	Madeleine deBlois	Michele Walsh	Developing Diverse Leaders: Best Practices in 4-H Healthy Habits Programming	FCS	positive youth development
4	Ayako Kusakabe	Patricia Stock	Isolation, identification and nematicidal activity of secondary metabolites produced by the entomopathogenic bacterium <i>Photorhabdus l. sonorensis</i> (Enterobacteriaceae) against the root knot nematode, <i>Meloidogyne incognita</i> (Tylenchidae)	ENTO	Bacteria toxins and secondary metabolites
3	Duy An Duong	Patricia Stock	Draft genome assembly of the entomopathogenic bacterium <i>Photorhabdus luminescens</i> subsp. <i>sonorensis</i> Caborca	ENTO	Bioinformatics, microbiology, biochemistry
23	Paul Brierley	Paul Brierley	Bringing Scientific Research & Industry Together to Find Solutions to Desert Agriculture's Pressing Problems	Other	Agriculture
39	Amanda Howe	Paul Carini	Soil Bradyrhizobium: Not Just for N-Fixation Anymore	SWES	Soil microbiology
45	David Kudrna	Rod Wing	Pacbio Sequencing for Genome Biology: Long Read Sequencing	SPS	Genomics
34	Chia-Yi Chin	Russell Tronstad	A Discrete Choice and Revealed Preference Analysis of Food Shopping Attributes for Yavapai County Consumers	AREC	Food Marketing; Consumer Preferences; Rural Economic Development
35	Grace Wofford	Sabrina Helm	The Effect of Mortality Salience on Overconsumption and Sustainable Product Choice	FCS	Consumption and Climate Change
12	Qi Wei	Sadhana Ravishankar	Synergistic Effects of Combination Treatments of Essential Oils and a Plant Extract Against Multi – drug Resistant <i>Salmonella</i> Newport on Organic Leafy Greens	ACBS	Food safety

11	Stephanie Arellano	Sadhana Ravishankar	Apple, carrot, and hibiscus edible films containing the plant antimicrobials carvacrol and cinnamaldehyde inactivate Salmonella Newport on organic leafy greens in sealed plastic bags.	ACBS	Food safety
10	Vimarys Oliveras	Sadhana Ravishankar	Concentration-dependent Inhibition of Escherichia coli O157:H7 and Potentially Carcinogenic Heterocyclic Amines in Heated Ground Beef Patties by Apple, Olive, and Onion Powders and Clove Bud Oil.	ACBS	Food safety
40B	Hunter Cole	Sadhana Ravishankar	Persistence and internalization of Salmonella on/in organic spinach sprout: Exploring the contamination route	ACBS	Food Safety
33	Natalia Santos	Scottie Misner	Personal and Environmental Factors Associated with Fruit and Vegetable Purchasing among Supplemental Nutrition Assistance Program (SNAP)-Authorized Stores in Pima County, Arizona	NutSc	Food Environment
31	Theresa LeGros	Theresa LeGros	Five Tips for Large-Scale Assessment of School Wellness Policies Using the WellSAT Scoring System	NutSc	Evaluation of Public Health Nutrition Programs
5	Earl Middlebrook	Todd Schlenke	Genome Assemblies of Drosophila Endoparasitoids Reveal Mechanisms of Venom Evolution	ENTO	Evolutionary Genomics
6	Kevin Ferro	Todd Schlenke	The cell adhesion molecule Hemomucin is a key determinant of host-parasitoid interactions	ENTO	Host-parasite interactions
54	Ursula Schuch	Ursula Schuch	Opportunities to Improve Drip Irrigation in Arizona Landscapes	SPS	Irrigation
30	Rachael Hearne	Vanessa da Silva	CE as a Model for Dissemination of the National Diabetes Prevention Program	CE	Chronic disease prevention
68	Patrick Broxton	Willem van Leeuwen	SnowView: A satellite data and model driven decision support tool for water resource management	SNRE	Snow hydrology and Water Resources
63	Xian Wang	William Smith	Advance Understanding of Dryland Carbon Uptake Using Novel Remote Sensing Techniques	SNRE	carbon cycles and remote sensing