

2022 SPRING STUDENT RESEARCH SYMPOSIUM

Poster Session

JUSTIN and J. LOHR Center for Wine and Viticulture, Building 156

Friday, May 20 - 3-5 P.M.

Odd Numbers Present: 3 - 3:45 p.m.

Even Numbers Present: 3:45 - 4:30 p.m.

Yellow: Grad Finalist

Green: Undergrad Finalist

Poster	Presenter and Topic	Grad or Undergrad
1	Jocelyn Alvarez Arredondo , along with Dr. Jean Dodson Peterson and Dr. Federico Casassa, " <i>The Effect of Irrigation on Dry Farmed Vitis Vinifera L. cv. Zinfandel as a Function of Age</i> "	Grad
2	Evelyn Alvarez-Mendoza , along with Dr. Shunping Ding, " <i>Fungicide Resistance of Botrytis cinerea Populations on Wine Grapes in the Central Coast of California</i> "	Grad
3	Nora Bales , along with Dr. Yamina Pressler, " <i>Investigating the Relationship Between Biological Soil Crust and a Federally Threatened Plant (Hooveria purpurea var. purpurea) Found on California's Central Coast</i> "	Grad
4	Sinead Carney , along with Dr. Ashraf Tubeileh, " <i>The Effect of a Nitrogen-fixing Methylobacterium sp. on the Yield of Corn and Romaine lettuce</i> "	Grad
5	Kimiko Casuga and Chloe McGovern , along with Dr. Amanda Lathrop, " <i>Efficacy of Free Chlorine and Peracetic Acid Against Listeria monocytogenes in Spent Citrus Water</i> ."	Grad
6	Stefani Derrick , along with Dr. Angelos Sikalidis, " <i>Mediterranean-style Diet and Exercise Improve Parameters for Management and Prevention of Type 2 Diabetes Mellitus and Prediabetes</i> "	Grad
7	Dyani Frye , along with Dr. Gordon Rees, " <i>Using Portable X-ray Fluorescence Spectroscopy to Predict Physical and Chemical Properties of California Soils</i> "	Grad
8	David Feldtkeller , along with Dr. Charlotte Decock, " <i>Cover Crop Effects on Nitrogen Dynamics at the Cal Poly Lemon Orchard</i> "	Grad

9	Marco A. Fernandez , along with Dr. Shunping Ding, " <i>Evaluating the Efficacy of Biofungicides and Their Application Timing on Managing Botrytis Bunch Rot</i> "	Grad
10	Christopher Hight , along with Dr. Charlotte Decock, " <i>Predicting Soil Organic Nitrogen Mineralization in Organic Vegetable Fields</i> "	Grad
11	Issac Ho , along with Dr. Amy Lammert, " <i>Use of Preference Analysis to Identify Early Adopter Mind-Sets of Insect-based Food Products</i> "	Grad
12	Dylan Bouzigues and Kota Kawamura , along with Dr. Ike Kang, " <i>Sub-zero Saline Chilling Improved Chilling Efficiency and Bacterial Reduction of Turkey Carcasses</i> "	Grad
13	Jack T. Koster , along with Dr. Shashika S. Hewavitharana, " <i>An Integrated Approach for Controlling Verticillium Wilt in Strawberry</i> "	Grad
14	Aaron Lee , along with Dr. Stewart Wilson, " <i>Healthy Soils Project: Carbon Sequestration Potential of Various One Time Compost Application Rates on Degraded Coastal Rangelands</i> "	Grad
15	Elizabeth Luck , along with Dr. Charlotte Decock, " <i>GHG Emissions, Soil Health, and Soil Carbon Sequestration Benefits of Vermicompost, Vermicompost extract, and Compost on Vineyard Soil</i> "	Grad
16	Jennifer Luevano and Hannah Heath , along with Dr. Michael La Frano, " <i>Medium-Chain Acylcarnitines and Purine Degradation Metabolites Altered Across Pregnancy in Gestational Diabetes: A Case-Control Time Course Metabolomics Analysis</i> "	Grad
17	Jose Munoz , along with Dr. Jean Dodson Peterson, " <i>The Effect of Grape Rootstocks on Initial Vineyard Establishment of Green Growing Benchgrafts</i> "	Grad
18	Joey Paglia , along with Dr. Vincent Yeung, " <i>Milk Protein Concentrate (MPC) and Reduced-Calcium Milk Protein Concentrate (RCMPC) as Emulsifiers in "Clean Label" Ice Cream Manufacturing</i> "	Grad
19	Issac Ho, Adelynn Peterson, Jack Madden and Evan Huang , along with Dr. Amy Lammert and Dr. Samir Amin, " <i>Product Development of Insect-Based Food Products: Evaluation of Cricket Powder Replacement in Sausage, Pasta, and Brownies</i> "	Grad
20	Leanna C. Sanchez and Ashley F. Waymire , along with Dr. Mohammed K. Abo-Ismael, " <i>Insights Into the Molecular Mechanism Underpinning Metritis in Cattle</i> "	Grad
21	Rashaan T. Souikane , along with Dr. Lauren Garner, " <i>The Effect of Phytophthora Root Rot Tolerant Rootstocks on Establishment, Growth and Health of 'Hass' Avocado (Persea americana Mill.)</i> "	Grad

22	Mary Steele , along with Dr. Shashika Hewavitharana, "Survey of Late-season Soilborne Pathogens Infecting Strawberry in Watsonville-Salinas, CA"	Grad
23	Yu-Chen Wang , along with Dr. Gerald Holmes, "California Survey of Botrytis Fruit Rot Levels in Commercial Strawberry Fields With and Without Fungicide Applications"	Grad
24	Reed Williams , along with Dr. Stewart Wilson, "Inference of Significant Drivers of Soil Physiochemical Properties Post Fire"	Grad
25	Maya Avendano , along with Dr. Yamina Pressler, "The Extent and Scale of Soil Biological and Ecological Knowledge in Ecological Restoration Research"	Undergrad
26	Faith M. Blashe, Samantha Marecek, Grace X. Nickerson, Nathan Chiang and Danyi Ma , along with Dr. Siroj Pokharel, "Efficacy of Sub-Zero Saline Chilling and Hot Water Spray in Reducing Campylobacter and Salmonella from Broiler Skin"	Undergrad
27	Iris Bookholtz , along with Dr. Jeremy James, "Abiotic and Biotic Constraints to Blue Oak Restoration in the Sierra Foothills"	Undergrad
28	Dominic Chmiel , along with Dr. Matt Haberland, "Autonomous Tree Caliper Measurement in Nurseries"	Undergrad
29	Tyler Esteves, Eddie Lundberg, Clayton Davis, Jeremy Schwartz and Cole Tart , along with Dr. Matt Haberland, "Design of a Tractor-Mounted Crane- Team 2"	Undergrad
30	Sydney Gillette , along with Dr. Mohammed Abo-Ismael, "Genome-wide Association Studies for Ketosis in Dairy Cattle"	Undergrad
31	Jamie Girouard, Anton Venter, Grace Mazzilli, Josh Porter, Julian Hernandez, and Teanna Quach , along with Dr. Matt Haberland, "Design of a Tractor-Mounted Crane- Team 6"	Undergrad
32	Maya Inglis , along with Dr. Zachary D. McFarlane, "Characterization of Metabolomic Shifts in Mature Angus Bull Serum and Seminal Fluid During 65-day Breeding Season on Rangelands"	
33	Haley Konoval and Ashley Waymire , along with Dr. Mohammed Abo-Ismael, "Biological Pathways Affecting Dairy Cattle Fertility Traits"	Undergrad
34	M. A. Lunn and S. Gillette , along with Dr. Mohammed Abo-Ismael, "Improving Cow Health Traits in Holstein and Jersey Dairy Cattle: A Multidisciplinary Approach to Empower the Quality of California Polytechnic State University Poly Student"	Undergrad
35	Annika Malmstrom-Smith , along with Dr. Heather Harris, "Domoic Acid Exposure in Leatherback Sea Turtles Along the West Coast of North America"	Undergrad
36	Sarah Marks , along with Dr. Sara Kuwahara and Dr. Greg Schwartz, "Marine Mariculture System"	Undergrad

37	Jasmine Moallem , along with Dr. Ike Kang. <i>"Effect of Dietary Micro Algae Supplementation in Broiler Chicken Carcass and Meat Quality"</i>	Undergrad
38	Hamza Mohamed Ali , along with Dr. Mohammed Abo-Ismael, <i>"Genes and Molecular Mechanisms Associated with Pregnancy Loss and Stillbirth in Dairy Cattle"</i>	Undergrad
39	Grace Nickerson, Nathan Chiang, Faith M. Blashe, Samantha Mareced and Danyi Ma , along with Dr. Siroj Pokharel, <i>"Sub-zero Saline Chilling and Hot Water Spray on Broiler Skin to Reduce Aerobic Bacterial Counts, Coliforms and Escherichia coli"</i>	Undergrad
40	Kylee Nielsen and Cody Cameron , along with Dr. Yamina Pressler, <i>"Impacts of Cover Cropping on Beneficial and Parasitic Soil Nematodes in a California Lemon Orchard"</i>	Undergrad
41	Lauren Tilley, Lis Kraycik, Thaddeus Luke, Fiona O'Neill, Paige Davis , along with Dr. Stewart Wilson, <i>"Effect of Compost Application Rate on Micronutrients, Nitrogen, Phosphorous, Potassium, and Base Cations on a Marine Terrace Chronosequence."</i>	Undergrad
42	Chandler Phelps and Meredith Kelly , along with Dr. Michael La Frano, <i>"Metabolomics Identifies Serum Metabolites Different in Zambian Women with Adequate versus Deficient Total Liver Vitamin A Reserves Despite Adequate Serum Retinol Levels"</i>	Undergrad
43	Anna Rodriguez-Paiatsyka , along with Dr. Charlotte Decock, <i>"Assessing Potential Carbon Sequestration by Cover Crops and Mycorrhizal Association in a Lemon Orchard in California's Coastal Area"</i>	Undergrad
44	Camryn E. Schatzlein, J.P. Dubowsky, C.E. Field , along with Dr. Z.D. McFarlane, <i>"The Effects of Age and Cow Grazing Behavior on Pregnancy Status During the Breeding Season"</i>	Undergrad
45	Hannah Shinnerl , along with Dr. Mark Edwards and Dr. Darin Bennett, <i>"Evaluation of the Effects of Dietary Uronema spp. on the Growth Performance, Feed Intake and Feed Conversion Ratio of Broiler Chickens"</i>	Undergrad
46	Aiden Vicente Fisher, Cason Roberts, Garon Gostanian, Brant Baugher and Tyler Tsuji , along with Dr. Matt Haberland, <i>"Tractor Mounted Crane - Team 3"</i>	Undergrad
47	Jimi Valov , along with Dr. Charlotte Decock, <i>"The Impact of Compost Application and Reduced Tillage on Soil Health for Dryland Forage Production"</i>	Undergrad
48	Shane Wyman, Ryan Percy, Alexa Sutter, Nora Cimino, Wesley Tyler and Emma Gray , along with Matt Haberland, <i>"Design of a Tractor-Mounted Crane - Team 4"</i>	Undergrad
49	Rob Ellison, Cooper Pendergast, Joseph Schaner, William Sibbet, and Luis Villanueva , along with Matt Haberland, <i>"Design of a Tractor-Mounted Crane - Team 1"</i>	Undergrad

