

2019 Auburn Research Faculty Symposium Poster Session

Section	Section/ Number	Primary Author	College/School	Department	Title	Co-Author(s) / Affiliation(s)
A	A1	Alvaro Sanz Sanez de Jauregui	College of Agriculture	Crop Soil and Environmental Science	Searching for drought tolerant traits in peanuts: first steps to set up a high-throughput phenotyping technique	Juan Liu ^{1,2} , Seth Jonston ¹ , Charles Chen ¹ - 1 Crop, Soil, and Environmental sciences Department, College of Agriculture, Auburn University; 2 Industrial Crops Research Institute, Henan Academy of Agricultural Sciences
A	A2	Brendan Higgins	College of Agriculture	Biosystems Engineering	Upgrading high-strength wastewaters into zooplankton fish feed	Qichen Wang (Biosystems Engineering), Miriam Hyman (Biosystems Engineering), Alan Wilson Fisheries), Auburn University
A	A3	Daniel Wells ⁽¹⁾	College of Agriculture	Horticulture	Developing a better understanding of micronutrient management in soilless plant production systems	Brendan Higgins ⁽²⁾ , David Blersch ⁽²⁾ ; Yucheng Feng ⁽³⁾ - ⁽¹⁾ Horticulture; ⁽²⁾ Biosystems Engineering; ⁽³⁾ Crop, Soils, and Environmental Sciences
A	A4	Di Tian	College of Agriculture	Department of Crop, Soil, and Environmental Sciences	Exploiting Earth System Big Data for Sustainable Agricultural and Environmental Management in a Changing Climate	Hanoi Medina, Tayler Schillerberg, Parisa Asadi, Yizhuo Li, Yanzhong Li, and Kyle Lesinger; Department of Crop, Soil, and Environmental Sciences, Auburn University
A	A5	Elina Coneva ⁽¹⁾	College of Agriculture	Horticulture	Fire Blight Resistant Rootstocks – A New Technology for Sustainable Apple Production in Alabama	Enfeng Xu ¹ , J. Raymond Kessler, Jr. ¹ , Edgar Vinson ^{1*} , and Matthew Price ² - 1Department of Horticulture, Auburn University; 2AAES
A	A6	Jasmeet Lamba	College of Agriculture	Biosystems Engineering	Modeling effect of climate variability on the ecologically sustainable water withdrawals from streams for cropland irrigation	Laljeet Sangha, Hemendra Kumar, Puneet Srivastava, Mark Dougherty, and Rishi Prasad, College of Agriculture, Auburn University
A	A7	Jeffrey Coleman	College of Agriculture	Entomology and Plant Pathology	Unraveling the molecular mechanisms conferring virulence on cotton in <u>Fusarium oxysporum</u>	Seungyeon Seo, Qiang Wang, and Ambika Pokhrel, College of Agriculture, Auburn University
A	A8	Leonardo De La Fuente	College of Agriculture	Entomology and Plant Pathology	Extent and ecological significance of homologous recombination in <u>Xylella fastidiosa</u>	Marcus V. Merfa ¹ , Neha Potnis ¹ , Prem P. Kandel ¹ , and Paul A. Cobine ² - 1Department of Entomology and Plant Pathology, Auburn University; 2Department of Biological Sciences, Auburn University
A	A9	Matthew Waters	College of Agriculture	Crop, Soil and Environmental Sciences	The impacts of land use, hydrology and population on Lake Amatitlan, Guatemala: evidence from the sediment record	Elena Grandbois, Smith College; Mark Brenner, University of Florida; Jason Curtis, University of Florida, Claudia Romero-Oliva, Universidad del Valle de Guatemala
A	A10	Neha Potnis	College of Agriculture	Department of Entomology and Plant Pathology	Competition, Host Defense and Environmental Stress: How do plant pathogenic bacteria manage them?	Prabha Liyanapathirana, Eric Newberry, and Rishi Bhandari, Department of Entomology and Plant Pathology, Auburn University

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A	A11	Steve Li (1,2)	College of Agriculture	Crop, Soil and Environmental Science (CSES)	Evaluation of sensitive soybean response to simulated particle drift and vapor of auxin herbicide dicamba	Frances Browne. PhD Candidate(1); Katilyn Price. Research Associate II (1) - (1)CSES, (2)ACES, Auburn University
A	A12	Yi Wang	College of Agriculture	Biosystems Engineering	Systematic Genome Engineering of Solventogenic Clostridia for Biofuel and Biochemical Production	Jie Zhang, Jun Feng, and Pixiang Wang - Biosystems Engineering Department at Auburn University
B	B1	Alan Bugg	College of Architecture, Design & Construction	McWhorter School of Building Science	Design-Build Project for Rooftop Learning Center, Atucucho, Ecuador	David Smith, Assistant Professor of Graphic Design (SIGD); CO-principle investigator, CADC, Auburn University
B	B2	Amna Salman	College of Architecture, Design & Construction	McWhorter School of Building Science	Creating Virtual Reality models for BSCI 3440: Structures of Building-II to improve conceptual clarity of architecture and building science students	
B	B3	Benjamin Bush	College of Architecture, Design & Construction	Industrial Design / School of Industrial and Graphic Design	Development of Guidelines for Industrial Design Studio	
B	B4	C Rusty Lay	College of Architecture, Design & Construction	Industrial Design	Approaches to Resiliency, Sustainability, & Productivity through Strategic Design	Daniel Wells, Horticulture, Auburn University
B	B5	Charlene Lebleu	College of Architecture, Design & Construction	School of Architecture, Planning and Landscape Architecture	Quantifying Thermal Characteristics of Stormwater through Low Impact Development Systems	Mark Dougherty—College of Agriculture, Biosystems Engineering; Keith Rahn, College of Architecture Design & Construction, Building Science; Amy Wright— College of Agriculture, Horticulture; Ryan Bowen--College of Architecture Design & Construction, Building Science; Rui Wang-- College of Architecture Design & Construction, Landscape Architecture; Andres Orjuela-- College of Architecture Design & Construction, Landscape Architecture; Kaylee Britton-- College of Architecture Design & Construction, Landscape Architecture, Auburn University
B	B6	David Smith(1)	College of Architecture, Design & Construction	School of Industrial and Graphic Design	Identity, Wayfinding and Construction for an Underserved Population in Ecuador	Alan Bugg(2) - (1)Assistant Professor of Graphic Design (SIGD); Principal investigator & (2)Assistant Professor of Building Science (BSCI); Co-principal investigator, Auburn University

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B	B7	David Smith(1)	College of Architecture, Design & Construction	School of Industrial and Graphic Design	Documentation of Unique and Threatened Building Site Through Digital Technologies	Alan Bugg(2), Kasia Leousis (3) - (1)Assistant Professor of Graphic Design (SIGD), Principal investigator; (2)Assistant Professor of Building Science (BSCI), CO- principal investigator; (3)Architecture and Art Librarian (CADC), CO-principal investigator, Auburn University
B	B8	Emily McGlohn ¹	College of Architecture, Design & Construction	School of Architecture, Planning and Landscape Architecture	Rural Resource Mapping in Hale County, Alabama	Emily Knox ² , Visiting Assistant Professor (co-PI) and Mackenzie Stagg ^{1,3} , Assistant Research Professor (co- PI) - ¹ CADC and APLA, ² Landscape Architecture program, ³ Architecture program., Auburn University
B	B9	Eric Wetzal	College of Architecture, Design, and Construction	McWhorter School of Building Science	Student Perceptions of Engaged Active Student Learning Spaces and Strategies in Construction Education	C. Ben Farrow, Ph.D., Auburn University
B	B10	Junshan Liu	College of Architecture, Design & Construction	McWhorter School of Building Science	Reexamining the Old Depot Museum in Selma, AL. Phase I: Digital Documentation and Online Interpretive Environments	Danielle Willkens, Auburn University
B	B11	Mackenzie Stagg	College of Architecture, Design & Construction	Rural Studio	Showing is Saying: Building the Front Porch Initiative Communication Infrastructure	Andrew Freear, Director, Rural Studio (CADC); Rusty Smith, Associate Director of Rural Studio and Director of the Front Porch Initiative (CADC); Natalie Butts-Ball, Communications Manager, Rural Studio (CADC); Margaret Fletcher, Associate Professor and Associate Chair of Architecture (CADC); Courtney Windham, Associate Professor of Graphic Design (CADC); Michelle Sidler, Associate Professor of English (CLA); Susan Youngblood, Associate Professor of English (CLA); Ed Youngblood, Associate Professor of Media Studies (CLA); David Hinson, Associate Professor (CADC); Justin Miller, Associate Professor and Architecture Program Chair (CADC); Emily McGlohn, Assistant Professor, Rural Studio (CADC); Xavier Vendrell, Professor, Chair of Rural Studio's Graduate Program, Rural Studio (CADC); Meghan Walsh, Affiliate Professor (CADC) & Senior Architect, USDA

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B	B13	Robert Finkel	College of Architecture, Design & Construction	School of Industrial + Graphic Deign	Visual Memoranda: A Selection of Posters from the IBM Poster Program, 1969–1979	Shea Tillman, Auburn University
B	B14	Salman Azhar(1)	College of Architecture, Design & Construction	McWhorter School of Building Science	A VR based Construction Safety Training Game	Dongnyeok Han(2) - (1)Professor, Building Science; Auburn; (2)Undergraduate Student, Building Science, Auburn
B	B15	Salman Azhar(1)	College of Architecture, Design & Construction	McWhorter School of Building Science	Implementation of Mixed Reality Technology for Building Inspection and Maintenance	Abuzar Haroon(2) - (1)Building Science; Auburn; (2)Graduate Student, Building Science, Auburn
B	B16	Tom Leathem	College of Architecture, Design & Construction	Building Science	Development of a Systemized Process for Instructional Video Development	
B	B17	Thomas Hogge	College of Architecture, Design & Construction	Landscape Architecture	Fabricating Feral: Visualizing Material Metabolisms	David Hill – Associate Professor; Chair, Landscape Architecture Department; Luis Loiza – Student, Master of Landscape Architecture (CADC SAPLA); Laura Lopez – Student, Master of Landscape Architecture (CADC SAPLA), Auburn University
B	B18	Wesley Collins	College of Architecture, Design & Construction	McWhorter School of Building Science	Investigation of software usage and data management strategies in construction estimating	Lauren Redden, Auburn University
C	C1	Andrew Pendola	College of Education	Educational Foundations Leadership and Technology	The Salary Draw: Wage Differentials and Principal Turnover	Andrew Pendola, Ph.D.
C	C2	Elena Aydarova	College of Education	Educational Foundations, Leadership, and Technology	Shadow Elites of Teacher Education Reforms: How Nonprofit and For- Profit Actors Construct Accountability Regimes	
C	C3	Morgan Yordy & Malti Tuttle	College of Education	Special Education, Rehabilitation, and Counseling	What Factors Influence Perceptions about Animal-Assisted Therapy in School Settings?	Morgan Yordy, DNP, ACNS-BC, RN-BC; Jill Meyer, PhD, LCPC, CRC; Leah Kartovicky, M.Ed., CRC, NCC* - Special Education, Rehabilitation, and Counseling department. *GRA in the same unit. Auburn University
C	C4	Ryan Schey	College of Education	Curriculum & Teaching	Queer Activist Pedagogies: Youth and Literacy in a High School	

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C	C5	Sara Demoiny	College of Education	Department of Curriculum & Teaching	Counter-monuments as Tools for Critical Witnessing and Spatial Justice in Anti-Racist Social Studies Education	
D	D1	Andrew D. Frugé ¹	College of Human Sciences	Nutrition, Dietetics, & Hospitality Management	Secondary outcomes of a randomized controlled crossover trial to explore the effects of a high chlorophyll dietary intervention to reduce colon cancer risk in adults: The Meat and Three Greens (M3G) Feasibility Trial	Kristen S. Smith ¹ BS, Aaron J. Riviere ¹ , Wendy Demark-Wahnefried ² PhD, RD, Anna E. Arthur ³ PhD, RD, William M. Murrah ⁴ PhD, Casey D. Morrow ⁵ PhD, Robert D. Arnold ⁶ PhD, and Kimberly Braxton-Lloyd PharmD ⁷ ; ¹ Department of Nutrition, Dietetics and Hospitality Management, Auburn University; ² Department of Nutrition Sciences, University of Alabama at Birmingham; ³ Department of Food Science and Human Nutrition, Division of Nutritional Sciences, University of Illinois at Urbana-Champaign; ⁴ Department of Educational Foundations, Leadership, and Technology, Auburn University; ⁵ Department of Cell, Developmental and Integrative Biology, University of Alabama at Birmingham; ⁶ Department of Drug Discovery and Development, Auburn University Harrison School of Pharmacy; ⁷ Department of Pharmacy Services, Auburn University Harrison School of Pharmacy
D	D2	Anna Ruth Gatlin ⁽¹⁾	College of Human Sciences	Consumer & Design Sciences	A Human Scientist's Guide to Preserving Culture	Lindsay Tan ⁽¹⁾ , Kate Thornton ⁽²⁾ - ⁽¹⁾ Consumer & Design Sciences, Interior Design Program; ⁽²⁾ Global Studies & the Hunger Solutions Institute
D	D3	Diana Samek	College of Human Sciences	Human Development and Family Studies	Romantic Relationships, Personality, Alcohol Use Disorder, and Depression: Recent Insights from the College Experiences Study	Diana R. Samek
D	D4	Elif Dede Yildirim ⁽¹⁾	College of Human Sciences	Human Development and Family Studies	Maternal discipline and children's literacy and social skills in 25 African countries: a Bayesian meta-analysis of individual participant data	Jaipaul L. Roopnarine ⁽²⁾ - ⁽¹⁾ Human Development and Family Studies, Human Sciences, Auburn University and ⁽²⁾ Department of Human Development and Family Science, Syracuse University

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D	D5	Imran Rahman	College of Human Sciences	Nutrition, Dietetics, and Hospitality Management	The Incidence of Green-signaling in Green Hotels	Han Chen
D	D6	Lauren Ruhlmann	College of Human Sciences	Human Development and Family Studies	Polyvictimization and Biopsychosocial Health Profiles among Sex Trafficking Survivors and Associated Differences in Help-Seeking	Briana S. Nelson Goff(2) - Auburn University(1), Kansas State University(2)
D	D7	Young-A Lee	College of Human Sciences	Consumer & Design Sciences	Validation of the Wearable Acceptability Range Scale for Smart Apparel	Changhyun Nam - Iowa State University
D	D8	Wi-Suk Kwon	College of Human Sciences	Consumer & Design Sciences	Designing an Intelligent e-Healthcare Decision Assistant for Medicare	Salisa Westrick ² , Kavon Diggs ² , Tinia Harris ² , Mohammad Shahidul Kader ¹ , Mary Kacee Ross ¹ , and Yi Zhao ² - ¹ Department of Consumer and Design Sciences, College of Human Sciences, Auburn University, ² Department of Health Outcomes Research and Policy, Harrison School of Pharmacy, Auburn University
E	E1	Kelly Kennington	College of Liberal Arts	History	Slavery, the Domestic Slave Trade, and Legal Culture in the Heart of Dixie	
E	E2	Megan-Brette Hamilton	College of Liberal Arts	Communication Disorders	Adult Literacy in Lee County: Consideration of Dialect in the Assessment and Instruction of Reading	Scott Tye, BA, Auburn University

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B	B12	Michelle Sidler	College of Liberal Arts	Rural Studio	Saying is Showing: Building the Front Porch Initiative Communication Infrastructure	Andrew Freear, Director, Rural Studio (CADC); Rusty Smith, Associate Director of Rural Studio and Direct of the Front Porch Initiative (CADC); Natalie Butts-Ball, Communications Manager, Rural Studio (CADC); Mackenzie Stagg, Assistant Research Faculty, Rural Studio (CADC); Margaret Fletcher, Associate Professor and Associate Chair of Architecture (CADC); Courtney Windham, Associate Professor of Graphic Design (CADC); Susan Youngblood, Associate Professor of English (CLA); Ed Youngblood, Associate Professor of Media Studies (CLA); David Hinson, Associate Professor (CADC); Justin Miller, Associate Professor and Architecture Program Chair (CADC); Emily McGlohn, Assistant Professor, Rural Studio (CADC); Xavier Vendrell, Professor, Chair of Rural Studio's Graduate Program, Rural Studio (CADC); Meghan Walsh, Affiliate Professor (CADC) & Senior Architect, USDA
E	E3	Tannista Banerjee	College of Liberal Arts	Economics	Public Health and Mosquito Borne Diseases in the US	DivyaSadana, Aditi Sengupta, Auburn University
F	F1	Ash Abebe	College of Sciences & Mathematics	Mathematics and Statistics	Semiparametric Inference for Complex Noisy Data	Hannah Correia(1); Richard Sun(2); Frazier Bindele(3); Peng Zeng(4) - (1)Harvard TH Chan School of Public Health, Harvard University; (2)Bayer Inc; (3)Department of Mathematics and Statistics, University of South Alabama; (4)Department of Mathematics and Statistics, Auburn University
F	F2	Bill Hames	College of Sciences & Mathematics	Geosciences	Elemental and isotopic analysis of solids and noble gases in the spectrometry facilities of Geosciences	
F	F3	Cissy Ballen	College of Sciences & Mathematics	Biological Sciences	Introductory STEM courses struggle to address variation in incoming academic preparation: consequences for minority and first-generation students	Shima Salehi(1); Sehoia Cotner(2); and (1)Stanford University; (2)University of Minnesota

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F	F4	Karen McNeal	College of Sciences & Mathematics	Geosciences	A global perspective of the geocognition research at Auburn. What are we learning about how people think and learn about the Earth?	Elijah T. Johnson; Lindsay C. Maudlin; Stephanie L. Courtney; Nick A. Soltis; Akilah A. Alwan, Auburn University
F	F5	Laurie Stevison ¹	College of Sciences & Mathematics	Biological Sciences	Adaptation and Speciation in Macaques	Zachary Szpiech ¹ , Nicholas Bailey ¹ , Taylor Papstein-Novak ¹ , Damien Waits ¹ , Ben Evans ² , and Jeff Wall ³ ; ¹ Auburn University; ² McMaster University; ³ University of California San Francisco
F	F6	Marcelo Kuroda	College of Sciences & Mathematics	Physics	Tuning the physical properties of multilayer heterostructures based on two-dimensional materials	Jonathan J. Heath and Adam M. Pfeifle, Auburn University
F	F7	Thi Thao Phuong Hoang	College of Sciences & Mathematics	Mathematics and Statistics	Space-time domain decomposition methods for modeling flow in fractured porous media	Caroline Japhet (Université Paris 13, France), Michel Kern and Jean E. Roberts (INRIA, France)
F	F8	Claudia Stein(1)	Auburn University @ Montgomery	Biology & Environmental Sciences	Soil biota as drivers of plant diversity in tallgrass prairies	Scott A Mangan(2); (1)Auburn University, (2)Washington University St. Louis
F	F9	Emma Si	Auburn University @ Montgomery	Department of Chemistry	Reaction of Divalent Mercury with Hydroquinones in Aquatic Environment	Skyler Chandler, Department of Chemistry, Auburn University at Montgomery
F	F10	Greg Ciesielski	Auburn University @ Montgomery	Department of Chemistry	The fate of stalled mitochondrial DNA replisome	
F	F11	Pryce Haddix	Auburn University @ Montgomery	Biology and Environmental Science	Prodigiosin Pigment of the Bacterium <i>Serratia marcescens</i> May Have Two Distinct Respiratory Functions	
F	F12	Vanessa Koelling(1)	Auburn University @ Montgomery	Department of Biology and Environmental Science	A large-scale test for purging of inbreeding depression in the common yellow monkeyflower, <i>Mimulus guttatus</i>	Newsum, T.(2), and J. K. Kelly(3); (1)Auburn University @ Montgomery, (2)University of Puget Sound, Tacoma, WA., (3)University of Kansas, Lawrence, KS
G	G1	Amarjit Mishra	College of Veterinary Medicine	Pathobiology	IL-33 Mediated Metabolic Modulation in Fungal Asthma	Anil Kumar Jaiswal, Natalie Starr, Sangeet Makhija, and Amol Suryawanshi, Auburn University
G	G2	Amol Suryawanshi	College of Veterinary Medicine	Pathobiology	Role of IFN- λ during herpes simplex virus-1 (HSV)-induced corneal immunopathology	Ferrin Antony, Chetan Pundkar, Maninder Sandey, Anil Kumar Jaiswal, and Amarjit Mishra, Auburn University

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G	G3	James Gillespie	College of Veterinary Medicine	Pathobiology	Phage-peptide constructs for stimulation of anti-cancer immune responses against CD47	Alexandre M Samoylov(1,2), Anna M. Cochran(2), Rebecca Jones(1,2), Kenny Brock(3), Tatiana I Samoylova(1,2); 1) Department of Pathobiology, College of Veterinary Medicine, Auburn University, AL, 2) Scott-Ritchey Research Center, College of Veterinary Medicine, Auburn University, AL, 3) Biomedical Affairs and Research, Edward Via College of Osteopathic Medicine - Auburn Campus, Auburn, AL
G	G4	Jeff Huang	College of Veterinary Medicine	Anatomy, Physiology and Pharmacology	RNA-seq identifies a sexually dimorphic cell population in the adrenal cortex	Qionxia Lyu and Huifei Zheng, Yuan Kang, Department of Anatomy, Physiology & Pharmacology, College of Veterinary Medicine, Auburn University
G	G5	Katherine Horzmann	College of Veterinary Medicine	Pathobiology	Modeling Developmental Trichloroethylene Toxicity in the Zebrafish	Ana M Portales and Kathryn G Batcho, Auburn University
G	G6	Maninder Sandey	College of Veterinary Medicine	Pathobiology	Nanobody-based anti-CTLA4 immunotherapy for canine cancer	Jonathan Marable, Damien Ruiz, Deepa Bedi, Anil K. Jaiswal, Amol Suryawanshi, and Amarjit Mishra, Auburn University
G	G7	Ruediger Hauck (1,2)	College of Veterinary Medicine	Pathobiology	Chicken gut microbiota after infection with <i>Eimeria</i> spp.	Xiaolei Ma(1), Madison Hamilton(2), Wenqi Cao(1), Kenneth Macklin(2), Xu Wang(1); (1) Department of Pathobiology, (2) Department of Poultry Science
G	G8	Stuart Clark-Price	College of Veterinary Medicine	Clinical Sciences	The effect of inhaled albuterol on PaO ₂ in anesthetized horses receiving a FiO ₂ of 0.5 or > 0.95	KM Lascola, A Auckburally*, LH Boone, FJ Caldwell, RR Hanson, KM Weatherall - Auburn University College of Veterinary Medicine, Department of Clinical Sciences, Auburn, AL USA; *Southern Counties Veterinary Specialists, Ringwood, Hampshire, UK
G	G9	Vinicia Biancardi	College of Veterinary Medicine	Anatomy, Physiology, and Pharmacology	Angiotensin II-mediated AT1R-TLR4 crosstalk promotes blood-brain barrier disruption, microglial activation & sympathoexcitation in hypertension	Francesca E. Mowry, and Sarah C. Peadar
G	G10	Xu Wang	College of Veterinary Medicine	Pathobiology	Maturation of gut microbiota and dramatic shift of microbial composition during canine puppy development	Wenqi Cao, Xiaolei Ma, Pam Haney, Xiao Xiong, Jamie Douglas, Robyn Wilborn, Li Chen, and Paul Waggoner

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H	H1	Pei Xu	College of Business	Systems and Technology	Healthier Together: Social Support, Self-Regulation and Health Goal Management for Chronic Conditions in Online Social Networks	Dr. Jiahe Song, Western Michigan University; and Dr. David Paradice, Auburn University
H	H2	Rafay Ishfaq	College of Business	Supply Chain Management	Order Management in Omnichannel Retail Supply Chains	Wenqi Cao, Xiaolei Ma, Pam Haney, Xiao Xiong, Jamie Douglas, Robyn Wilborn, Li Chen, and Paul Waggoner
I	I1	Angela I. Calderón	Harrison School of Pharmacy	Drug Discovery and Development	LC-MS-BASED CHEMICAL CHARACTERIZATION OF CONSTITUENTS OF METHANOL AÇAÍ EXTRACT AND METABOLITES OBTAINED FROM AN <i>IN-VITRO</i> INTESTINAL FIRST-PASS METABOLISM STUDY	Yilue Zhang ¹ ; Turner Shirley ¹ ; Tyler Wietlake ¹ ; Jingjing Qian ² ; Richard A. Hansen ²
I	I2	Edward Chou	Harrison School of Pharmacy	Health Outcomes Research and Policy	Inclusion of Mental Health in Primary Care: An Investigation of Psychiatrists and Primary Care Providers Comfort	John David Abrams(1); Cassidi C. McDaniel, B.S.(1); Matthew L. Maciejewski, PhD(2); Joel F. Farley, PhD(3); Marisa Elena Domino, PhD(4); Richard A. Hansen, PhD(1) - (1)Health Outcomes Research and Policy; (2)Population Health, Duke University; (3)Pharmaceutical Care and Health Systems, University of Minnesota; (4)Health Policy and Management, University of North Carolina – Chapel Hill
I	I3	Haley Phillippe(1)	Harrison School of Pharmacy	Pharmacy Practice	Bringing communities together: An interprofessional program to combat addiction	Haley Phillippe, PharmD., BCPS, BCGP, FASCP(1); Lindsey Hohmann, PharmD.(2); Brent Fox, PharmD., PhD(3); Karen Marlowe, PharmD., BCPS,CPE(4); Lindsey Hohmann, PharmD.(5) - (1)Associate Clinical Professor, Harrison School of Pharmacy, Department of Pharmacy Practice Professor, Harrison School of Pharmacy, Department of Pharmacy Practice; (2)Assistant Professor, Harrison School of Pharmacy, Department of Pharmacy Practice; (3)Associate Professor, Harrison School of Pharmacy, Department of Health Outcomes Research and Policy; (4)Assistant Dean, Associate Department Head, Professor, Harrison School of Pharmacy, Department of Pharmacy Practice; (5)Assistant Professor, Harrison School of Pharmacy, Department of Pharmacy Practice

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I	I4	Jianzhong Shen	Harrison School of Pharmacy	Drug Discovery and Development	YM-254890 is a General Inhibitor of G Proteins	Qianman Peng, Mohammed Zahid A Nasrullah, Jianzhong Shen, Auburn University
I	I5	Miranda N. Reed ^{1,2}	Harrison School of Pharmacy	Drug Discovery and Development	Prenatal cannabinoid exposure results in learning and memory deficits in rodent adolescent offspring: Elucidation of the mechanism and identification of a therapeutic target	Priyanka. D. Pinky ¹ , Jenna Bloemer ¹ , Yifeng. Du ¹ , Sharay Setti ¹ , Ryan T. Heslin ¹ , Warren .D. Smith ¹ , Alex Dityatev ^{2,3} , Vishnu Suppiramaniam ^{1,2} - 1Drug Discovery and Development, Harrison School of Pharmacy, Auburn University, Auburn, AL 36849; 2Center for Neuroscience Initiatives, Auburn University, Auburn, AL 36849; 3German Center for Neurodegenerative Diseases (DZNE), Magdeburg, Germany.
I	I6	Rajesh Amin	Harrison School of Pharmacy	Drug Discovery and Development	The role of Frataxin in ischemia reperfusion injury in the diabetic heart	*#Siuen Yoo, *Nila Ghanei, *Manoj Govindarajulu, *Ian Steinke, and #Juming Zhong, - *Harrison School of Pharmacy, # College of Veterinary Medicine
I	I7	Robert Rusty Arnold	Harrison School of Pharmacy	Drug Discovery and Development	Evaluating the influence of MicroRNAs on response to metronomic dosing in metastatic castration resistant prostate cancer (mCRPC)	Taraswi M. Ghosh, Joshua Davis, Teeratas Kansom, Chu Zhang, Aedan Bird, Amit Ghosh, and Grafton Barnett, Auburn University
I	I8	Taraswi Ghosh	Harrison School of Pharmacy	Drug Discovery and Development	Evaluating the influence of MicroRNAs on response to metronomic dosing in metastatic castration resistant prostate cancer (mCRPC)	Joshua Davis, Teeratas Kansom, Chu Zhang, Aedan Bird, Amit Ghosh, Grafton Barnett and Robert D. Arnold, Auburn University
I	I9	Vishnu Suppiramaniam	Harrison School of Pharmacy	Drug Discovery and Development	Establishment of a Center for Neuroscience at Auburn University	Miranda Reed, Timothy Moore et al.; Harrison School of Pharmacy, College of Veterinary Medicine, College of Liberal Arts, College of Human Sciences, College of Science and Mathematics, College of Education and College of Engineering, Auburn University
J	J1	Robert Pantazes	Samuel Ginn College of Engineering	Chemical Engineering	Computational Methods to Design and Identify Therapeutic Proteins	Varun Chauhan, Sumaiya Islam, Ritankar Bhattacharya, Auburn University
J	J2	Bryan Beckingham ¹	Samuel Ginn College of Engineering	Chemical Engineering	Improved Asphalt Additive Materials: Functional Block Copolymers	Fabricio Leiva Villacorta ² - 1Chemical Engineering and 2Civil Engineering, National Center for Asphalt Technology
J	J3	Carlos Carrero	Samuel Ginn College of Engineering	Chemical Engineering	Combining material synthesis, chemical kinetics, spectroscopy, and isotopic labeled experiments as an initial step of the "from bench to market" evolution on converting methane into liquid products	Raj Thakur, Moncada - (Chemical Engineering, AU) - Armin Vahid Mohammadi, Majid Beidaghi, (Materials Engineering, AU)

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J	J4	Daniel F. Silva	Samuel Ginn College of Engineering	Industrial and Systems Engineering	Real-time Rural Medicine Handling and Transport Using a Coordinated Fleet of Trucks and Drones	Alice E. Smith, Nawin Yanpirat, Juan C. Pina-Pardo; Industrial and Systems Engineering Auburn University
J	J5	H Hugo Zhou	Samuel Ginn College of Engineering	Civil Engineering	Modeling the Risk of Wrong-Way Driving at the Exit Ramp Terminals of Partial Cloverleaf Interchanges	Md Atiquzzaman, Auburn University
J	J6	Imon Chakraborty(1)	Samuel Ginn College of Engineering	Aerospace Engineering & Aviation	Data-Driven General Aviation Performance Modeling and Safety Research	Stephen Swartz(2); (1)Aerospace, (2)Aviation, Auburn University
J	J7	Lorenzo Cremaschi	Samuel Ginn College of Engineering	Mechanical Engineering	Electrospray Dehumidification for High Energy Efficiency of Buildings	
J	J8	Masatoshi Hirabayashi	Samuel Ginn College of Engineering	Aerospace Engineering	Regolith Generation due to Multiple Impact Cratering on The Moon, as part of Interactions between Structures on Asteroids and the Moon and Particle Levitation for Exploration and Science (iSAMPLES)	Uwa Konopka, Surabhi Jaiswal, Carter Davis, Gavin Smith, Yaeji Kim, Davide Guzzetti, Dennis Bodewits, Edward Thomas, and David King, Auburn University
J	J9	Peng Li	Samuel Ginn College of Engineering	Electrical & Computer Engr	Magnetization switching using topological surface states	J. Kally, S. S. L. Zhang, T. Pillsbury, J. Ding, G. Csaba, J. Ding, S. Jiang, Y. Liu, R. Sinclair, C. Bi, et al., Auburn University
J	J10	Pengyu Chen	Samuel Ginn College of Engineering	Materials Engineering & Mechanical Engineering	Engineering Nanomaterial Optofluidic Biosensors for Next Generation Immunoassay toward Personalized Medicine	Wen Yang, Jiacheng He, Alana McLachlan, Yuxin Cai, Chuanyu Wang, - Materials Engineering, Department of Mechanical Engineering, Auburn University
J	J11	Roy Hartfield	Samuel Ginn College of Engineering	Aerospace Engineering	Energy-based General Framework for Sizing and Mission Analysis of Novel Flight Vehicles	Imon Chakraborty (Co-I), Auburn University
J	J12	Russell Mailen	Samuel Ginn College of Engineering	Aerospace Engineering	Multifunctional, Self-Folding Origami Utilizing Joule Heating	Midhan Siwakoti (Aerospace Engineering), Xinyu Zhang (Chemical Engineering), Haishun Du (Polymer and Fiber Engineering), Fahim Momin (Polymer and Fiber Engineering), and Shatila Sarwar (Chemical Engineering); Auburn University
K	K1	Janna Willoughby	School of Forestry & Wildlife Sciences	Forestry and Wildlife Sciences	Rapid genetic adaptation to novel environments	
K	K2	Kelly Dunning	School of Forestry & Wildlife Sciences	Forestry and Wildlife Sciences	Challenges for coral reef management and adaptive policy responses	
K	K3	Lana Narine(1)	School of Forestry & Wildlife Sciences	Forestry and Wildlife Sciences	Estimation of Forest Aboveground Biomass from ICESat-2 and Landsat	Sorin Popescu(2), and Lonesome Malambo(2); (1)Auburn University , (2)Texas A&M University

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Section	Section/ Number	Primary Author	College/School	Department	Title	Co-Author(s) / Affiliation(s)
K	K4	Lori Eckhardt	School of Forestry & Wildlife Sciences	Forestry and Wildlife Sciences	Survey of volatile chemicals emitted by ophiostomatoid fungi for monitoring and evaluating bark beetles in the United States	Jonathan Cale and Sylvester Menanyih, Auburn University
K	K5	Robert Gitzen	School of Forestry & Wildlife Sciences	Forestry and Wildlife Sciences	Multidisciplinary approaches for conserving a burrowing ecosystem engineer: historical occurrence, current distribution, and habitat ecology	Elizabeth Parsons, Mary Bennett, John Kush (SFWS), and Patricia Hartman (AU Libraries)
K	K6	Sanjiv Kumar	School of Forestry & Wildlife Sciences	Forestry and Wildlife Sciences	The GLACE-Hydrology Experiment: Effects of Land-Atmosphere Coupling on Soil Moisture Variability and Drought Predictability	Matthew Newman (2,3), David M. Lawrence (4), Min-Hui Lo (5), Satish Akula (6), Chia-Wei Lan (5), Ben Livneh (2,7), and Danica Lombardozi (4) - (1)Earth System Science Program, School of Forestry and Wildlife Sciences, Auburn University, Auburn, AL USA; (2)Cooperative Institute of Environmental Research (CIRES), University of Colorado, Boulder, CO USA; (3)NOAA Earth System Research Laboratories, Physical Science Division, Boulder, CO USA; (4)National Center for Atmospheric Research, Boulder, CO UA; (5)Department of Atmospheric Sciences, National Taiwan University, Taiwan; (6)Department of Computer Science and Software Engineering, Auburn University, AL USA; (7)Department of Civil and Environmental Engineering, University of Colorado, Boulder CO USA
K	K7	Susan Pan	School of Forestry & Wildlife Sciences	Center for Climate and Global Change	Contemporary responses of terrestrial net primary productivity, evapotranspiration and water use efficiency to multiple environmental changes in the southern United States during 1980-2018	International Center for Climate and Global Change Research and School of Forestry & Wildlife Sciences, Auburn University
L	L1	Ann Lambert MSN, PCNP-BC	School of Nursing		Safe Sleep Practices: Providing Education to Decrease the Risks of SIDS	Dr. KathyJo Ellison PhD, RN and Dr. Silvia Vilches, PhD, Auburn University
L	L2	Kendall Henderson	School of Nursing		Teaching Holistic Healthcare by Developing Holistic Students	
L	L3	Linda Gibson-Young, PhD, CRNP, AE-C, FAANP	School of Nursing		Factors affecting asthma morbidity in school-aged children: A cross-sectional study	Molly Fortner, BSN, MSN-c and Ann Lambert, MSN, CRNP, Auburn University
L	L4	Linda Gibson-Young, PhD, CRNP, AE-C, FAANP	School of Nursing		TigerCHAT: Exploring child mental health outcomes in a rural school-based health education intervention	Sarah LaMontagne (undergraduate biomedical science pre-med) and Molly Fortner, BSN, MSN-c, Auburn University

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L	L5	Sarah Watts	School of Nursing		Using Simulation-Based Learning in the Large Classroom Setting for Inter-professional Education Activities	Jeanna Sewell, Emily Myers, Kathy Jo Ellison, Auburn University
		Morgan Yordy	School of Nursing		See Poster C3 under College of Education	
M	M1	Jennifer Croker	Center for Clinical and Translational Science (CCTS)		CCTS Research Commons	Anne Russell, PhD, Swathi Thaker, PhD, Jean Lambert, MS, Jennifer Croker, PhD, Robert Kimberly, MD