

GRADUATE STUDENT AGRICULTURAL POSTER SHOWCASE & RECEPTION

OCTOBER 27, 2016 - AU ALUMNI CENTER - 5:00 TO 6:30 PM

ASSIGNED NUMBERS

- 1. UNDERSTANDING THE EFFECT OF CATALYTIC PYROLYSIS BIO-OIL PRODUCED USING CAO DURING HYDROTREATMENT** - Sanjeev K C, MS, Agricultural Economics and Rural Sociology
- 2. EVALUATING THE FUNCTIONAL EFFECTS OF OAT FIBER AND MODIFIED CORN STARCH ON SENSORY AND TEXTURAL CHARACTERISTICS OF SMOKED SAUSAGE UTILIZING MECHANICALLY** - Judson E. Smith, MS, Animal Sciences. Additional authors: Whitney E. Magee, Alisha L. Kerklín, and Christy L. Bratcher
- 3. CARCASS COMPOSITION AND MEAT QUALITY ASSESSMENT OF PORK FED POULTRY FAT, FLAXSEED OIL AND SUPPLEMENTED WITH VITAMIN E** - Whitney Magee, MS, Animal Sciences. Additional authors: Chunxi Huang, Derek A. Griffing, Judson E. Smith, Lee I. Chiba, and Christy L. Bratcher
- 4. ANALYSIS OF CX43 GAP JUNCTIONAL COUPLING AND ATRA SIGNALING AND THEIR RELATIONSHIP TO EMBRYO DEVELOPMENT IN BOS TAURUS** - Casey Read, MS, Animal Sciences. Additional authors: Paul Dyce
- 5. OVERSEEDING EASTERN GAMAGRASS WITH COOL-SEASON GRASSES OR GRASS-LEGUME MIXTURES** - Katie Bennett, MS, Animal Sciences. Additional authors: M.K. Mullenix, J.J. Tucker, J.S. Angle, R.B. Muntifering, and J. Yeager
- 6. EVALUATION OF WARM-SEASON ANNUAL BALEAGE IN A COW/CALF PRODUCTION SYSTEM** - Mekenzie Hargaden, MS, Animal Sciences.
- 7. BIOMASS DERIVED HIERARCHICAL POROUS ACTIVATED CARBONS FOR LITHIUM-SULFUR BATTERY** - Sourov Kar Sajib, MS, Biosystems Engineering. Additional authors: Sushil Adhikari
- 8. THE OBSERVATION OF LINED BIORETENTION CELLS AS A SEMI-CLOSED SYSTEM** - Emily Bonts, MS, Biosystems Engineering
- 9. WITHIN-TREE VARIATION OF FUEL CHARACTERISTICS IN LOBLOLLY PINES** - Thomas Loxley, MS, Biosystems Engineering
- 10. EXTRACTIVE FERMENTATION FOR BUTYL BUTYRATE BY CLOSTRIDIUM TYROBUTYRICUM** - Zhongtian Zhang, MS, Biosystems Engineering
- 11. GREEN HYDROGEN PRODUCTION VIA THERMOCATALYTIC DECOMPOSITION OF METHANE** - Khalida Binte Harun, MS, Biosystems Engineering. Additional authors: Sushil Adhikari and Zhouhong Wang
- 12. MODELING EFFECTIVENESS OF BEST MANAGEMENT PRACTICES TO REDUCE PHOSPHORUS AND NITROGEN LOSS** - Palki Arora, MS, Biosystems Engineering. Additional authors: Jasmeet Lamba and Puneet Srivastava
- 13. SEDIMENT FINGERPRINTING TO IDENTIFY THE SOURCES OF IN-STREAM SEDIMENT IN AN URBAN WATERSHED** - Kritika Malhotra, MS, Biosystems Engineering. Additional authors: Jasmeet Lamba and Puneet Srivastava
- 14. THE EFFECTS OF MULCHING, TILLAGE, AND HERBICIDES ON WEED CONTROL AND WATERMELON YIELD** - Jacob Williams, MS, Crop, Soil and Environmental Sciences. Additional authors: Andrew J. Price PhD, Joseph S. McElroy PhD, and Elizabeth A. Guertal PhD

15. **ALTERNATIVE STRATEGY FOR MANAGING THE KUDZU BUG, MEGACOPTA CRIBRARIA (HEMIPTERA:PLATASPIDAE) IN SOYBEAN** - Blessing Ademokoya, MS, Entomology and Plant Pathology. Additional authors: Rammohan Balusu and Henry Fadamiro
16. **A CRITICAL ROLE OF CIRCADIAN CLOCK REGULATION IN PANEBACILLUS POLYMYXA CRI INDUCED SYSTEMIC DROUGHT TOLERANCE** - Wenshan Liu, MS, Entomology and Plant Pathology. Additional authors: Sang-wook Park
17. **AN INTEGRATED APPROACH TO IMPROVING CORN PLANT HEALTH IN MELOIDOGYNE INCOGNITA INFESTED FIELDS WITH NEMATICIDES, PLANT GROWTH REGULATORS, AND STARTER FERTILIZERS** - Stephen Till, MS, Entomology and Plant Pathology. Additional authors: K. S. Lawrence
18. **CHARACTERIZATION OF ROOT-ASSOCIATED HYPERSENSITIVE RESPONSE IN COTTON-NEMATODE INTERACTIONS** - Ross Jeffrey, MS, Entomology and Plant Pathology. Additional authors: Dr Sang-Wook Park
19. **BIOLOGICAL PATHOGEN OF HETERODERA GLYCINES, ROTYLENCHULUS RENIFORMIS, AND MELOIDOGYNE INCOGNITA** - David Dyer, MS, Entomology and Plant Pathology. Additional authors: Ni Xiang and Kathy Lawrence
20. **BIOLOGY AND MANAGEMENT OF THE SUGARCANE APHID, MELANAPHIS SACCHARI (ZEHNTNER), A NEW PEST OF SORGHUM, SORGHUM BICOLOR (L.), IN ALABAMA** - Adrian Pekarcik, MS, Entomology and Plant Pathology. Additional authors: Alana Jacobson and Kathy Flanders
21. **PREPARATION OF A DIAGNOSTIC TOOL FOR MELOIDOGYNE SPECIES DIFFERENTIATION IN ALABAMA** - Will Groover, MS, Entomology and Plant Pathology. Additional authors: Dr. Kathy Lawrence and Dr. Pat Donald
22. **SOUTHERN ROOT-KNOT NEMATODE (MELOIDOGYNE INCOGNITA) SUSCEPTIBILITY OF TURMERIC (CURCUMA LONGA) SELECTIONS** - Meredith Hall, MS, Entomology and Plant Pathology. Additional authors: Kathy S. Lawrence, Dennis Shannon, Tia Gonzalez, William Groover, and Justin Luangkhot
23. **THE EFFICACY OF NEMATICIDE TREATED SOYBEAN VARIETIES TO REDUCE IMPACT OF SOUTHERN ROOT-KNOT NEMATODE** - Daniel Dodge, MS, Entomology and Plant Pathology. Additional authors: Kathy Lawrence
24. **THE EFFECT OF PECAN SHELL MULCH ON RABBITEYE BLUEBERRY ROOT INITIATION AND DEVELOPMENT** - Ashley Hoppers, MS, Horticulture. Additional authors: James D. Spiers, J. Raymond Kessler, Jr., Amy N. Wright, and Arlie A. Powell
25. **INFLUENCE OF HEATING NUTRIENT SOLUTION ON GREENHOUSE-GROWN HYDROPONIC LETTUCE** - Sydney Holmes, MS, Horticulture. Additional authors: Daniel E. Wells, Jeremy Martin Pickens, and Joseph M. Kemble
26. **EFFECTS OF MAINTAINED SUBSTRATE GRAVIMETRIC WATER CONTENT FROM TRANSPLANT TO FINISHED STAGE ON IMPATIENS WALLERIANA 'XTREME RED'** - Anthony Bowden, MS, Horticulture. Additional authors: Adam F. Newby, Glenn B. Fain, and Daniel E. Wells
27. **THE EFFECT OF MATURITY ON POSTHARVEST LONGEVITY AND FRUIT QUALITY OF TWO KIWIFRUIT CULTIVARS: 'AU GOLDEN DRAGON' AND 'AU GOLDEN SUNSHINE' (ACTINIDIA CHINENSIS PLANCH)** - Lingbo Xie, MS, Horticulture. Additional authors: James D. Spiers, Leonard N. Bell, J. Raymond Kessler, and Floyd M. Woods
28. **INVESTIGATING NEW TECHNOLOGY FOR SUSTAINABLE VITICULTURE IN THE SOUTHEASTERN U.S.** - Andrej Svyantek, MS, Horticulture. Additional authors: Elina Coneva, J.R. Kessler, James D. Spiers, Edgar Vinson, and James A. Pitts
29. **CONTINUOUS EXPOSURE OF SALMONELLA ENTERITIDIS OR HEIDELBERG IN BROILER CHICKENS** - Elle Chadwick, MS, Poultry Science. Additional authors: Kenneth Makclin, James Krehling, Laci MacKay, and Bradley Schrader
30. **REDUCTION OF THE SPOILAGE-RELATED MICROFLORA IN ABSORBENT PADS OF BEEF MEAT BY N-HALAMINE COMPOUND** - Tian Ren, MS, Poultry Science. Additional authors: Mingyu Qiao, Jean Weese, and Tung-Shi Huang
31. **ESTABLISHMENT AND VALIDATION OF RNA-BASED PREDICTIVE MODELS FOR UNDERSTANDING SURVIVAL AND SUSCEPTIBILITY OF LOW-TEMPERATURE ADAPTED VIBRIO PARAHAEMOLYTICUS IN OYSTERS** - Chao Liao, PhD, Poultry Science. Additional authors: Yong Zhao and Luxin Wang

32. **N-HALAMINE MODIFIED THERMOPLASTIC POLYURETHANE WITH RECHARGEABLE ANTIMICROBIAL FUNCTION FOR FOOD CONTACT SURFACE** - Mingyu Qiao, PhD, Poultry Science. Additional authors: Tian Ren, Tung-Shi Huang, Ying Liu, Xuehong Ren, and Ramsis Farag
33. **IS THERE GENDER INEQUALITY IN CHILDREN MALNUTRITION IN ETHIOPIA** - Meijuan Wang, PhD, Agricultural Economics and Rural Sociology. Additional authors: Valentina Hartarska
34. **THE IMPACT OF HACCP IMPLEMENTATION ON U.S. SEAFOOD IMPORTS** - Rui Chen, PhD, Agricultural Economics and Rural Sociology. Additional authors: Nobert Wilson and Valentina Hartarska
35. **RETAIL TO RESIDENCE: A SNAPSHOT OF THE CONSUMER COLD-CHAIN** - Derek Griffing, PhD, Animal Sciences. Additional authors: Dr. Christy Bratcher
36. **EVALUATION OF NITROGEN DELIVERY METHODS FOR STOCKER CATTLE GRAZING ANNUAL RYEGRASS** - Phillip Gunter, PhD, Animal Sciences. Additional authors: Robet Peacock, Russell Muntifering, and Kim Mullenix
37. **TARGETING CANCER USING NANOPARTICLES STRUCTURALLY COATED WITH APTAMERS** - Ricky Whitener, PhD, Animal Sciences. Additional authors: Madison Nash and Jacek Wower
38. **HYDROTHERMAL LIQUEFACTION OF LIGNIN TO GET BIO-PRODUCTS** - Vivek Patil, PhD, Biosystems Engineering. Additional authors: Dr Sushil Adhikari
39. **CATALYTIC UPGRADING OF BIO-OIL PRODUCED FROM HYDROTHERMAL LIQUEFACTION OF NANNOCHLOROPSIS SP.** - Rajdeep Shakya, PhD, Biosystems Engineering. Additional authors: Ravishankar Mahadevan, Sushil Adhikari, and Zhouhong Wang
40. **BIOCONVERSION OF LIGNOCELLULOSIC BIOMASS TO BUTANOL BY ACETIC ACID BASED PRETREATMENT AND FERMENTATION USING CLOSTRIDIUM SACCHAROPERBUTYLACETONICUM** - Pixiang Wang, PhD, Biosystems Engineering
41. **MICRO-SCALE ANALYSIS OF OFF-GAS EMISSIONS FROM STORED LOBLOLLY PINE GRINDS** - Anshu Shrestha, PhD, Biosystems Engineering. Additional authors: Oladiran Fasina, Zhouhong Wang, and Sushil Adhikari
42. **CONVERSION OF CARBON DIOXIDE AND BIOMASS FOR FUELS AND CHEMICALS PRECURSOR** - Narendra Sadhwani, PhD, Biosystems Engineering. Additional authors: Sushil Adhikari and Mario Eden
43. **RENEWABLE TRANSPORTATION FUELS FROM BIOMASS THROUGH CATALYTIC FAST PYROLYSIS** - Ravishankar Mahadevan, PhD, Biosystems Engineering. Additional authors: Sushil Adhikari and Rajdeep Shakya
44. **DROUGHT STRESS REDUCES SYMBIOTIC NITROGEN FIXATION IN PEANUT GENOTYPES** - Xu Wang, PhD, Crop, Soil and Environmental Sciences. Additional authors: Yucheng Feng and Charles Chen
45. **HOST PREFERENCE IN PARASITIC PHORID FLIES: RESPONSE OF PSEUDACTEON CURVATUS AND P. OBTUSUS TO VENOM ALKALOIDS OF NATIVE AND IMPORTED SOLENOPSIS FIRE ANTS** - Olufemi Ajayi, PhD, Entomology and Plant Pathology. Additional authors: Li Chen and Henry Y. Fadamiro
46. **BACILLUS PUMILUS STRAIN INR-7 REDUCED THE DEVELOPMENT OF WESTERN CORN ROOTWORM ON MAIZE** - Joseph Disi, PhD, Entomology and Plant Pathology. Additional authors: Joseph Kloepper and Henry Fadamiro
47. **IDENTIFICATION OF KEY PLANT-ASSOCIATED VOLATILES EMITTED BY HELIOTHIS VIRESCENS LARVAE THAT ATTRACT THE PARASITOID, MICROPLITIS CROCEIPES: IMPLICATIONS FOR PARASITOID PERCEPTION OF ODOR BLENDS** - Tolulope Morawo, PhD, Entomology and Plant Pathology. Additional authors: Henry Fadamiro
48. **FUNCTIONAL CHARACTERIZATION OF AN EXTRACELLULAR SUPEROXIDE DISMUTASE FROM FUSARIUM OXYSPORUM F. SP. VASINFECTUM** - Qiang Wang, PhD, Entomology and Plant Pathology. Additional authors: Laura Wendell and Jeffrey J. Coleman
49. **THE POTENTIAL SOURCE OF NOVEL ANTIBIOTICS: CHANGES IN THE HEMOLYMPH PROTEOME OF RETICULITERMES FLAVIPES WORKERS IN RELATION TO MULTIDRUG-RESISTANT BACTERIAL CHALLENGE** - Yuan Zeng, PhD, Entomology and Plant Pathology. Additional authors: Xing Ping Hu and Sang-Jin Suh
50. **EVALUATION OF ORGANIC WEED CONTROL METHODS IN PECAN PRODUCTION** - Michael Polozola II, PhD, Horticulture. Additional authors: Daniel E. Wells and Bryan S. Wilkins

- 51. TRANSCRIPTIONAL STUDY ON BIOFILM PRODUCED BY THE FISH PATHOGEN FLAVOBACTERIUM COLUMNARE: ROLE OF CA²⁺ IN BIOFILM FORMATION** - Wenlong Cai, PhD, School of Fisheries, Aquaculture and Aquatic Sciences. Additional authors: Cova Arias
- 52. DEVELOPMENT AND COMPOSITION OF THE GUT MICROBIOME IN CHANNEL CATFISH ICTALURUS PUNCTATUS** - Francisca Burgos, PhD, School of Fisheries, Aquaculture and Aquatic Sciences. Additional authors: Candis L. Ray and Cova R. Arias
- 53. MULTIPLE ACROSS-STRAIN AND WITHIN-STRAIN QTLs SUGGEST HIGHLY COMPLEX GENETIC ARCHITECTURE FOR HYPOXIA TOLERANCE IN CHANNEL CATFISH** - Xiaozhu Wang, PhD, School of Fisheries, Aquaculture and Aquatic Sciences. Additional authors: Shikai Liu, Chen Jiang, and Zhanjiang Liu
- 54. SPLIT-POND AQUACULTURE DESIGN AND EFFECTS OF WASTE-ZONE AERATION ON WATER QUALITY** - Lauren Jescovitch, PhD, School of Fisheries, Aquaculture and Aquatic Sciences. Additional authors: Claude E. Boyd
- 55. TOWARDS THE BETTER USE OF SOY BASED DIET FOR FLORIDA POMPANO TRACHINOTUS CAROLINUS: USE OF NOVEL SOY PROTEIN CONCENTRATE AND SQUID PRODUCTS** - Romi Novriadi, PhD, School of Fisheries, Aquaculture and Aquatic Sciences. Additional authors: Melanie Rhodes, Guillaume Salze, Terry Hanson, Chong M. Lee, and D. Allen Davis
- 56. MICROINJECTION OF CRISPR/CAS9 PROTEIN INTO CHANNEL CATFISH, ICTALURUS PUNCTATUS, EMBRYOS TO KNOCKOUT GENES** - Karim Khalil, PhD, School of Fisheries, Aquaculture and Aquatic Sciences. Additional authors: Ahmed Elaswad, Patrick Page-McCaw, Wenbiao Chen, Roger Cone, and Rex Dunham
- 57. BACTERIAL FISH PATHOGENS AFFECTING WILD AND CULTURED FISH IN THE SOUTHEAST** - Khrystyna Leasor, PhD, School of Fisheries, Aquaculture and Aquatic Sciences. Additional authors: Candis Ray, Ash Bullard, and Cova Arias

CONTACT

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