ORAL PRESENTATION - MONDAY, MARCH 27, 2023

FACULTY ORAL PRESENTATIONS - RSP 163

Presentations may be available from 9:00 AM - 12:00 PM

9:00 AM□	FO-01	CLIMATE LEADERSHIP ACADEMY (CLA): A WELL-DESIGNED PLATFORM FOR ENGAGING MINORITY COMMUNITY MEMBERS IN CLIMATE CHANGE RESEARCH, SCIENCE EDUCATION, AND Jianwei Li, Yujuan Chen, Thomas Byl, Reginald Archer, Aditya Khanal, Emmanuel Omondi, Fulya Baysal-Gurel, De'Etra Young, Chandra Reddy Department of Agriculture and Environmental Sciences, College of Agriculture, Tennessee State University
9:20 AM	FO-02	EVALUATION OF BIOLOGICAL CONTROL AGENTS AND CHEMICAL TREATMENTS FOR CONTROL OF BACTERIAL CROWN GALL ON ROSE Dr. Cansu Oksel, Otis L. Floyd Research Center, Tennessee State University, Dr. Prabha Liyanapathiranage, Otis L. Floyd Research Center, Dr. Farhat Avin, Otis L. Floyd Research Center, Dr. Fulya Baysal-Gurel, Otis L. Floyd Research Center
9:40 AM	FO-03	THE SHAPE OF SPACELIFE, ASSUME A SPHERICAL COW Dr. Geoffrey Burks, <i>Physics</i> , Tennessee State University
10:00 AM	FO-04	MICROMECHANICS METHOD FOR BRIDGING BETWEEN DISCRETE AND CONTINUUM: THEORY AND APPLICATIONS Dr. Ranganathan Parthasarathy, <i>Civil and Architectural Engineering</i> , Tennessee State University, Dr. Anil Misra, University of Kansas
10:20 AM	FO-05	ENHANCING GROWTH, DEVELOPMENT AND LIGNOCELLULOSIC BIOMASS TRAITS IN SORGHUM USING BACTERIAL ENDOPHYTES FOR SUSTAINABLE BIOENERGY SYSTEMS Dr. Christine Ondzighi Assoume, Agricultural Environmental and Sciences, Tennessee State University, Mr. Adam Traore, Tennessee State University, Dr. Ahmad Aziz, Agricultural Environmental and Sciences, Dr. Margaret Mmbaga, Agricultural Environmental and Sciences
10:40 AM	FO-07	IDENTIFICATION AND MANAGEMENT OF PSEUDOMONAS SYRINGAE PV. SYRINGAE, THE CAUSAL AGENT OF PSEUDOMONAS LEAF SPOT ON RED MAPLE Dr. Prabha Liyanapathiranage, Otis L. Floyd Research Center, Tennessee State University, Dr. Cansu Oksel, Otis L. Floyd Research Center, Dr. Farhat Avin, Otis L. Floyd Research Center, Mr. Madhav Parajuli, Otis L. Floyd Research Center, Dr. Fulya Baysal-Gurel, Otis L. Floyd Research Center
11:00 AM	FO-06	AN EXAMINATION OF FARMLAND TENURE, PLANNING AND SUCCESSION CHALLENGES FACING TENNESSEE FARMERS: PRELIMINARY RESULTS FROM A STATEWIDE SURVEY Ms. Mary Mafuyai, Agricultural Environmental and Sciences, Tennessee State University, Dr. Kofi Britwum, Agricultural and Environmental Sciences, Tennessee State University

ORAL PRESENTATION - TUESDAY, MARCH 28, 2023

GRADUATE ORAL - ENGINEERING - SESSION 1 - RSP 009

Presentations may be available from 9:00 AM - 12:00 PM

9:00 AM	GO-ENGR-01	MICROMECHANICS BASED HOMOGENIZATION OF TRUSS LATTICES WITH EXPERIMENTAL VALIDATION
		Kehinde Omotayo*, Samal Aminashairi. <i>Civil and Architectural Engineering</i> , College of Engineering. Advisor(s): Ranganathan Parthasarathy, Anil Misra
9:20 AM	GO-ENGR-02	TRAFFIC OPERATIONAL SIMULATION OF RAILROAD HIGHWAY CROSSING
7.20 AW	GO ENGR 02	
		Irene Akyoo*. Civil and Architectural Engineering, College of Engineering. Advisor(s): Deo
		Chimba
9:40 AM	GO-ENGR-03	EVALUATING INCIDENT DURATION WITH RESPECT TO INCIDENT TYPES IN
		TENNESSEE
		Bryson Mgani*. Civil and Architectural Engineering, College of Engineering. Advisor(s): Deo
		Chimba
10:00 AM	GO-ENGR-04	AI/ML BASED TRAIN ARRIVALS AND DELAYS PREDICTION AT RAILWAY-
		HIGHWAY GRADE CROSSINGS
		Emmanuel Samson*. Civil and Architectural Engineering, College of Engineering. Advisor(s):
		Deo Chimba
10:20 AM	GO-ENGR-05	AN AUTOMATIC HIGHWAY ROAD SIGNAL DETECTION BY USING ARTIFICIAL
		INTELLIGENCE AND MACHINE LEARNING METHOD
		Al Amin*. Civil and Architectural Engineering, College of Engineering. Advisor(s): Deo
		Chimba, Kamrul Hasan

GRADUATE ORAL- AGRICULTURAL SCIENCES - SESSION 1 - RSP 163

Presentations may be available from 9:00 AM - 12:00 PM

9:00 AM	GO-AGNS-01	DEVELOPING GENE EDITING SYSTEM FOR TOMATOES TO GENERATE STRESS TOLERANT LINES Jun Guo*, Dybia Jain, Kajol Pradhan*. Agricultural and Environmental Sciences, College of Agriculture. Advisor(s): Suping Zhou, Sonali Roy
9:20 AM	GO-AGNS-02	EVALUATION OF BROCCOLI VARIETIES FOR WINTER PRODUCTION IN NON-HEATED GREENHOUSE IN MIDDLE TENNESSEE. Kajol Pradhan*, Priya Thapa, Dibya Thapa Magar, Jun Guo. Agricultural and Environmental Sciences, College of Agriculture. Advisor(s): Suping Zhou
9:40 AM	GO-AGNS-03	ANTIFUNGAL EFFECTS OF VOC'S PRODUCED BY BACILLUS SPECIES AGAINST OOMYCETE PATHOGEN PHYTOPHTHORA CAPSICI Jamille Robinson*. Agricultural and Environmental Sciences, College of Agriculture. Advisor(s): Suping Zhou, Ouyang Lizhi, John Ricketts
10:00 AM	GO-AGNS-04	COLLECTION OF GERMINATING TOMATO POLLEN USING LASER CAPTURE MICRODISSECTION FOR IDENTIFICATION OF HEAT-INDUCED PROTEOMES Dibya Thapa Magar*. Agricultural and Environmental Sciences, College of Agriculture. Advisor(s): Suping Zhou

ORAL PRESENTATION - TUESDAY, MARCH 28, 2023 (Continued)

GRADUATE ORAL- AGRICULTURAL SCIENCES - SESSION 1 - RSP 163

Presentatio	ns may be avail	able from 9:00 AM - 12:00 PM
10:20 AM	GO-AGNS-05	EVALUATION OF BACTERIAL ENDOPHYTES FOR CONTROLLING SOUTHERN
		BLIGHT IN HEMP PRODUCTION
		Mustapha Olawuni*. Agricultural and Environmental Science, College of Agriculture.
		Advisor(s): Margaret Mmbaga
11:00 AM	GO-AGNS-06	PLANT COVER AND WINTER MORTALITY OF WINTER CANOLA (BRASSICA
		NAPUS L.) IN TENNESSEE
		Sudip Bishwokarma*. Agricultural and Environmental Sciences, College of Agriculture.
		Advisor(s): Jason de Koff, Firuz Yuldashev
11:20 AM	GO-AGNS-07	EVALUATION OF DIFFERENT GROWTH MEDIA AND FORMULATION METHODS
		FOR ECONOMIC PRODUCTION OF BIOLOGICAL CONTROL AGENTS FOR
		TOMATO PRODUCTION
		Peter Eyegheleme*. Agricultural and Environmental Science, College of Agriculture.
		Advisor(s): Margaret Mmbaga
11:40 AM	GO-AGNS-08	ANTIBIOTIC RESISTANCE IN BACTERIA ISOLATED FROM GOAT MEAT IN
		NASHVILLE, TENNESSEE
		Moses Owusu* . Family and Consumer Sciences , College of Agriculture. Advisor(s): Agnes
		Kilonzo-Nthenge

GRADUATE ORAL - LIFE AND PHYSICAL SCIENCES - SESSION 1 - RSP 209

Presentations may be available from 9:00 AM - 12:00 PM

9:00 AM	GO-LPS-01	RAPID DETECTION OF PATHOGENIC E. COLI BASED ON CRISPR TECHNOLOGY
		Pallavi Rathore*. Agricultural and Environmental Sciences, College of Agriculture. Advisor(s): Ali Taheri, Agnes Kilonzo-Nthenge, Korsi Dumenyo, Zeinab Yadegari
9:40 AM	GO-LPS-04	ANALYSIS OF KEY FACTORS INVOLVED IN DEVELOPMENTAL ARREST IN WINDOWED EGGS FOR GENOME EDITING AND TRANSGENESIS STUDIES Rhia Nelson*, Nevein Soliman, Jailyn Jamison, Sammatha Stiff. <i>Biological Sciences</i> , College of Life Sciences. Advisor(s): Xiaofei Wang, Ann Bohannon-Stewart
10:00 AM	GO-LPS-05	MOLECULAR DIVERSITY AND FUNCTIONAL IMPLICATION OF AMPHIBIAN
		INTERFERON COMPLEX: REMARKING IMMUNE ADAPTATION IN
		VERTEBRATE EVOLUTION
		Oluwaseun Adeyemi*. Agricultural and Environmental Sciences, College of Agriculture.
		Advisor(s): Sang Yongming
10:20 AM	GO-LPS-06	RESISTANCE PROFILE OF PATHOGENIC BACTERIA IN GOAT AND SHEEP
		FECAL SAMPLES FROM TENNESSEE AND GEORGIA
		Basnet Ashesh*. Agricultural and Environmental Sciences, College of Agriculture. Advisor(s):
		Basnet Ashesh, Agnes Kilonzo-Nthenge
11:00 AM	GO-LPS-07	ANTIBIOTIC USE PRACTICES AND ANTIMICROBIAL RESISTANCE IN SMALL-
		SCALE GOAT AND SHEEP FARMING
		Tobenna Aniume*. Family and Consumer Sciences, College of Agriculture. Advisor(s): Agnes
		Kilonzo-Nthenge

ORAL PRESENTATION - TUESDAY, MARCH 28, 2023 (Continued)

GRADUATE ORAL - LIFE AND PHYSICAL SCIENCES - SESSION 1 - RSP 209

Presentations may be available from 9:00 AM - 12:00 PM

11:20 AM GO-LPS-08 **INACTIVATION OF FOODBORNE PATHOGENS ON SURFACES BY ULTRAVIOLET LIGHT EMITTING DIODE SYSTEMS**

Aakash Sharma*. Agricultural and Environmental Sciences, College of Agriculture. Advisor(s): Ankit Patras, Housyn Mahmoud

GRADUATE ORAL - ENGINEERING - SESSION 2 - RSP 009

Presentations may be available from 9:00 AM - 12:00 PM

1:00 PM	GO-ENGR-07	DESIGN OF A SOLAR POWER AND WIRELESS POWER TRANSMISSION SYSTEM
	,	FOR DYNAMIC ELECTRIC VEHICLE CHARGING WITH AI BASED LOAD
		FORECASTING.
		Richard Wiencek*. <i>Electrical and Computer Engineering</i> , College of Engineering. Advisor(s):
		Sagnika Ghosh
1:20 PM	GO-ENGR-08	OPTIMAL FREQUENCY FOR OPTIMAL PERFORMANCE AND EFFICIENCY OF A
		SINGLE-PHASE WIRELESS POWER TRANSMISSION SYSTEM
		Richard Wiencek*. Electrical and Computer Engineering, College of Engineering. Advisor(s):
		Sagnika Ghosh
1:40 PM	GO-ENGR-09	PHYSICS BASED DATA PREPROCESSING TO INCREASE THE ACCURACY OF
		DEEP LEARNING BASED TRAFFIC STATE ESTIMATION
		Daryl Mupupuni*. Electrical and Computer Engineering, College of Engineering. Advisor(s):
		Liang Hong, Kamrul Hasan, Leehyun Keel
2:00 PM	GO-ENGR-10	A DECISION-BASED ENSEMBLE FRAMEWORK FOR INTRUSION DETECTION IN
		THE INTERNET OF VEHICLES
		Varshini Guduru*. Electrical and Computer Engineering, College of Engineering. Advisor(s):
		Kamrul Hasan, Saleh Zein-Sabatto, Deo Chimba
2:20 PM	GO-ENGR-11	DEEP LEARNINGO-BASED APPROACH FOR DEVICE AUTHENTICATION USING
		RF FINGERPRINTING: IDENTIFYING MALICIOUS TRANSMITTER
		Ekramul Haque*. Electrical and Computer Engineering, College of Engineering. Advisor(s):
		Kamrul Hasan
3:00 PM	GO-ENGR-12	PRECISELY IDENTIFIED FAULTY PRODUCTS IN MANUFACTURING INDUSTRIES
		THROUGH LIMITED DATA BY USING MACHINE LEARNING TECHNIQUES
		Al Amin*. Electrical and Computer Engineering, College of Engineering. Advisor(s): Kamrul
		Hasan
3:20 PM	GO-ENGR-13	PHYSICS REGULATED DEEP LEARNING FOR TRAFFIC DENSITY ESTIMATION
		WITH SMALL NOISY DATA
		Anupama Guntu*. Electrical and Computer Engineering, College of Engineering. Advisor(s):
		Liang Hong, Kamrul Hasan, Leehyun Keel
		Zimb 11018, 11011 1100th, Econy on 11001

GRADUATE ORAL- AGRICULTURAL SCIENCES - SESSION 2 RSP 163

Presentations may be available from 1:00 PM - 4:00 PM

1:00 PM	GO-AGNS-09	AN INVESTIGATION ON NURSERY GROWERS' PERCEPTION OF BOXWOOD
		BLIGHT DISEASE AND ASSESSMENT OF EFFICACY OF ITS MANAGEMENT
		Bhawana Ghimire* . Otis L. Floyd Research Center, College of Agriculture. Advisor(s): Fulya
		Baysal-Gurel, Ankit Patras, Brahmaiah Pendyala
1:20 PM	GO-AGNS-10	EFFECT OF PLANT DEFENSE ELICITOR IN PREVENTING AMBROSIA BEETLE
		ATTACKS IN FLOWERING DOGWOODS EXPOSED TO SIMULATED FLOOD Madhav Parajuli*. Otis L. Floyd Research Center, College of Agriculture. Advisor(s): Fulya
1 10 73 5		Baysal-Gurel, Jason B. Oliver, Karla Addesso
1:40 PM	GO-AGNS-11	EVALUATION OF FUNGICIDES AND APPLICATION INTERVALS FOR THE
		Christina Jennings*. Otis L. Floyd Research Center, College of Agriculture. Advisor(s): Fulya
		Baysal-Gurel
2:00 PM	GO-AGNS-12	IDENTIFICATION OF FUNGAL SPECIES CAUSING CANKER DISEASE ON
		REDBUD (Cercis sp.) AND DEVELOPMENT OF AN EFFECTIVE DETECTION TOOL
		Pratima Subedi*. Otis L. Floyd Research Center, College of Agriculture. Advisor(s): Fulya
		Baysal-Gurel
2:20 PM	GO-AGNS-13	EFFECTIVENESS OF FLOWERING PLANTS IN ATTRACTING ARTHROPOD
		NATURAL ENEMIES IN VEGETABLE PRODUCTION
		Yuna Gaire*. Agricultural and Environmental Sciences, College of Agriculture. Advisor(s):
		Kaushalya Amarasekare, Firuz Yuldashev, Sarah Kilcoyne
3:00 PM	GO-AGNS-14	ASSESSMENT OF THE EFFECTIVENESS OF LOW-COST ETHANOL DETECTORS
		IN DETERMINING FLOOD STRESS IN DOGWOOD (Cornus florida L.) TO
		FACILITATE ON-SITE DETECTION OF TREES VULNERABLE TO AMBROSIA
		Anju Poudel*. Otis L. Floyd Research Center, College of Agriculture. Advisor(s): Karla
		Addesso, Jason Oliver, Paul O'Neal
3:20 PM	GO-AGNS-15	HERBICIDE STRESS AND FLATHEADED BORER ATTACKS IN RED MAPLE
		CULTIVARS
		Asmita Gautam* . Otis L. Floyd Research Center, College of Agriculture. Advisor(s): Karla
		Addesso, Jason Oliver, Anthony Witcher, Cindy Perkovich
3:40 PM	GO-AGNS-16	STANDARDIZING CURRENT RESEARCH PROTOCOLS TOWARDS GENETIC
		MODIFICATION FOR ANDROGENIC RESPONSIVE MICROSPORES OF
		RECALCITRANT SORGHUM BICOLOR
		Aron Felts*. Agricultural and Environmental Sciences, College of Agriculture. Advisor(s):
		Ahmad Aziz, C. Ondzighi-Assoume, Dilovan Yahya

GRADUATE ORAL - LIFE AND PHYSICAL SCIENCES - SESSION 2 - RSP 209

Presentations may be available from 1:00 PM - 4:00 PM

1:00 PM	GO-LPS-09	ASSOCIATION BETWEEN HEALTHCARE PROVIDERS' WORKLOAD ON PATIENT
		OUTCOMES: A SYSTEMATIC REVIEW
		Bennett Crane*, Cal Gamache*, Ben Nguyen*, Brandon Trent*. Physical Therapy, College of
		Health Sciences. Advisor(s): Deborah Edmondson

ORAL PRESENTATION - TUESDAY, MARCH 28, 2023 (Continued)

GRADUATE ORAL - LIFE AND PHYSICAL SCIENCES - SESSION 2 - RSP 209

Presentations may be available from 1:00 PM - 4:00 PM

1:20 PM	GO-LPS-10	FABRICATION OF ACTIVE FOOD PACKAGING MATERIALS FROM NATURAL POLYMERS VIA ELECTROSPINNING Wenjun Zhu*, Karla Robles. <i>TIGER Institute</i> , College of Engineering. Advisor(s): Richard Mu, Ying Wu, Akira Ueda, Virginia Lorenz
1:40 PM	GO-LPS-11	ELECTROHYDRODYNAMIC FABRICATION OF CORE-SHELL MICROPARTICLES
		FOR CONTROLLED-RELEASE IMMUNOTHERAPY OF OVARIAN CANCER
		Karla Robles*. TIGER Institute, College of Engineering. Advisor(s): Richard Mu, Todd
		Giorgio, Ying Wu, Nadya Mason, Akira Ueda
2:00 PM	GO-LPS-12	EFFECTS OF WARMING ON SWITCHGRASS PHOTOSYNTHESIS AND LEAF
		CHLOROPHYLL CONTENT
		Christina Kieffer*, Navneet Kaur. Biological Sciences, College of Life Sciences. Advisor(s):
		Dafeng Hui, Jianwei Li
2:20 PM	GO-LPS-13	IMPACTS OF NITROGEN FERTILIZER, GREENHOUSE, AND CROP SPECIES ON
		Avedananda Ray*. Biological Sciences, College of Life Sciences. Advisor(s): Dafeng Hui

ORAL PRESENTATION - WEDNESDAY, MARCH 29, 2023

GRADUATE ORAL - ENGINEERING - SESSION 3 - RSP 009

Presentatio	Presentations may be available from 9:00 AM - 12:00 PM			
9:00 AM	GO-ENGR-14	DESIGN AND SIMULATION OF OPTIMAL MICROFLUIDIC DESIGN FOR		
		EFFECTIVE FLUID MIXING		
		Christopher Buford*. Mechanical and Manufacturing Engineering, College of Engineering.		
		Advisor(s): Landon Onyebueke, Lizhi Ouyang, Richard Mu, Sabrina Torres		
9:20 AM	GO-ENGR-15	THE GROWTH OF GALLIUM OXIDE NANOWIRES		
		Geordan Dorsey*, Antonio Moore . TIGER Institute, College of Engineering. Advisor(s):		
		Richard Mu, Akira Ueda, Eugene Collins		
9:40 AM	GO-ENGR-16	DEVELOPING NEW POLLEN GRAIN COUNT METHOD USING MACHINE		
		LEARNING TO EVALUATE HEAT TOLERANCE OF TOMATOES		
		Priya Thapa*, Shourav Bin Rabbani, Kajol Pradhan, Jun Guo, Dibya Thapa Magar. Agricultural		
		and Environmental Sciences, College of Agriculture. Advisor(s): Suping Zhou, Manar D.		
		Samad, Hui Li, Sonali Roy		
10:00 AM	GO-ENGR-17	DEVELOPMENT OF A COMPUTATIONAL MODEL FOR ACCELERATED AGING		
		AND MATERIAL DEGRADATION IN VARYING TEMPERATURE AND		
		Grady Clopton*. Mechanical and Manufacturing Engineering, College of Engineering.		
		Advisor(s): Mohammad Habibi		
11:00 AM	GO-ENGR-19	COMPARATIVE ANALYSIS OF THE MECHANICAL PROPERTIES OF 3-D PRINTED		
		SPECIMENS		
		Ifeanyi Okoye*. Mechanical and Manufacturing Engineering, College of Engineering.		
		Advisor(s): Landon Onyebueke, Richard Mu		
11:20 AM	GO-ENGR-20	FABRICATION OF MULTIFERROIC POLYMERIC FIBERS – A PLATFORM FOR		
		SENSORY APPLICATION		
		Simbarashe Kanjanda*. TIGER Institute, College of Engineering. Advisor(s): Richard Mu,		
		Akira Ueda		

GRADUATE ORAL- AGRICULTURAL SCIENCES - SESSION 3

Presentatio	Presentations may be available from 9:00 AM - 12:00 PM			
9:00 AM	GO-AGNS-17	MUNG BEAN VARIETY INTRODUCTIONS TO TENNESSEE		
_		Joshua Relyea*. Agricultural and Environmental Sciences, College of Agriculture. Advisor(s): Matthew Blair		
9:20 AM	GO-AGNS-18	MUNG BEAN AS AN ALTERNATE CROP FOR SMALL AND MID-SIZED FARMERS.		
		A COMPARATIVE ECONOMIC ANALYSIS		
		Satya Tiwari*, Fisseha Tegegne, Dafeng Hui. Agricultural and Environmental Sciences, College		
		of Agriculture. Advisor(s): Prabodh Illukpitiya		
9:40 AM	GO-AGNS-19	SCREENING AND GENE EXPRESSION ANALYSIS OF COWPEAS AND BLACK-		
		EYED PEAS FOR ALUMINUM TOLERANCE.		
		Max Miller*. Agricultural and Environmental Sciences, College of Agriculture. Advisor(s): Matthew Blair, Dr. Hui Li		

ORAL PRESENTATION - WEDNESDAY, MARCH 29, 2023 (Continued)

GRADUATE ORAL- AGRICULTURAL SCIENCES - SESSION 3

Presentations may be available from 9:00 AM - 12:00 PM

10:00 AM	GO-AGNS-20	YIELD CHARACTERIZATION AND GEOSMIN QUANTIFICATION OF GRAIN
		Lahari Nekkalapudi*. Agricultural and Environmental Sciences, College of Agriculture.
		Advisor(s): Matthew Blair, Dr. Hui Li
10:20 AM	GO-AGNS-21	USING BIOTECHNOLOGY TO INCREASE SEED PRODUCTION AND
		SUSTAINABLE VEGETABLE OIL YIELDS IN SOYBEAN
		Gabriel Carrasquillo*. Agricultural and Environmental Sciences, College of Agriculture.
		Advisor(s): Christine Ondzighi Assoume, Matthew Blair
11:00 AM	GO-AGNS-22	PROMOTING SMART CONTRACTS FOR SPECIALTY CROPS: EXAMINING FOOD
		BUYERS' WILLINGNESS TO PARTICIPATE IN BLOCKCHAIN SYSTEM
		Devashish Bhandari*. Agricultural and Environmental Sciences, College of Agriculture.
		Advisor(s): Prabodh Illukpitiya
11:20 AM	GO-AGNS-23	COFFEE CHAFF AS AN ALTERNATIVE SUBSTRATE COMPONENT FOR
		CONTAINER-GROWN WOODY ORNAMENTALS
		Jacob Rawls*. Otis L. Floyd Research Center, College of Agriculture. Advisor(s): Anthony
		Witcher
11:40 AM	GO-AGNS-24	ESTABLISHMENT OF SELECTED COOL SEASON COVER CROPS FOR MIDDLE
		TENNESSEE NURSERIES
		Grayson DeLay*. Otis L. Floyd Research Center, College of Agriculture. Advisor(s): Anthony
		Witcher

UNDERGRADUATE - ORAL PRESENTATION (INTERDISCIPLINARY)

Presentations may be available from 1:00 PM - 4:00 PM

1:00 PM	UGO-01	HARVESTING SOLAR ENERGY USING PEROVSKITE PHOTOVOLTAIC CELLS FOR IMPROVED APPLICATIONS IN PORTABLE DEVICES
		Elijah Rachell*, Alexis Bell*. Mechanical and Manufacturing Engineering, College of
		Engineering. Advisor(s): Mohammad Habibi
1:20 PM	UGO-02	COMPUTATION OF PER ATOM STRAIN IN CLASSICAL MOLECULAR DYNAMICS SIMULATIONS
		Andrew Mikhaeil*. Civil and Architectural Engineering, College of Engineering. Advisor(s): Ranganathan Parthasarathy
1:40 PM	UGO-03	REVERSING THE ENTREPRENEURIAL CURSE: ASSESSING ISSUES FACED AS A SELF-EMPLOYED BUSINESS OWNER
		Anarra Williams*. Family and Consumer Sciences, College of Agriculture. Advisor(s): LaPorchia Davis
2:00 PM	UGO-04	SWEET SORGHUM YIELDS PER HARVESTS IN TENNESSEE SUMMER AND FALL OF 2022
		Paris Johnson*. Agricultural and Environmental Sciences, College of Agriculture. Advisor(s): Ahmad Aziz, Dilovan Yahya, Aron Felts
2:20 PM	UGO-05	THE EFFECT OF CYSTEINE ON THE SYNTHESIS OF MELANINS
		Jaila Winford*. Chemistry, College of Life Sciences. Advisor(s): Koen Vercruysse

Undergraduate - Oral Presentation (interdisciplinary)

Presentations may be available from 1:00 PM - 4:00 PM

3:00 PM	UGO-06	PAR-4 AND ITS EFFECTS ON CARDIOVASCULAR DISEASE
		Sabrina Noel*, Ann Ebhounu, Ifezie Toochukwu, Alfred Gbomina. <i>Biological Sciences</i> , College of Life and Physical Sciences. Advisor(s): Carla Gardner-Jones, Evanageline Motley, Larry Alexander
3:20 PM	UGO-07	WNT SIGNALING MODULATION IN CHRONIC WOUNDS
		Sandra Noel*, Delany Bradford, Hannah Barge. <i>Biological Sciences</i> , College of Life and Physical Sciences. Advisor(s): Sarika Saraswati
3:40 PM	UGO-08	THE REDUCTION OF NITROUS OXIDE EMISSIONS WITH BIOCHAR APPLICATIONS USING SWITHGRASS
		Sarena Noel*, Christina Kieffer, Avendananda Ray, Navneet Kaur. Biological Sciences, College of Life and Physical Sciences. Advisor(s): Dafeng Hui

POSTER PRESENTATION - THURSDAY, MARCH 30, 2023

FACULTY POSTER PRESENTATIONS - ELIOTT HALL AUDITORIUM

Presentations may be available from 9:00 AM - 12:00 PM

FP-01 USE OF FLOWERING PLANTS FOR PEST MANAGEMENT IN VEGETABLE PRODUCTION

Dr. Kaushalya Amarasekare, Agricultural Environmental and Sciences, Tennessee State University, Dr. Firuz Yuldashev, Agricultural Environmental and Sciences, Tennessee State University, Ms. Yuna Gaire, Agricultural Environmental and Sciences, Tennessee State University

FP-03 ECONOMIC IMPACT AND MANAGEMENT OF BOXWOOD BLIGHT DISEASE IN THE U.S. NURSERY INDUSTRY

Dr. Kumuditha Hikkaduwa Epa Liyanage, *Otis L. Floyd Research Center*, Tennessee State University, Bhawana Ghimire, *Otis L. Floyd Research Center*, Tennessee State University, Dr. Fulya Baysal-Gurel, *Otis L. Floyd Research Center*, Dr. Charlie Hall, *Department of Horticultural Sciences*, Texas A&M University, College Station, TX 77843

FP-04 AN ANALYSIS OF SOCIOECONOMIC DIFFERENCES IN FARMLAND OWNERSHIP AND SUCCESSION IN TENNESSEE

Mrs. Mary Mafuyai, *Agricultural and Environmental Sciences*, Tennessee State University, and Dr. Kofi Britwum, *Agricultural and Environmental Sciences*, Tennessee State University

FP-06 ELUCIDATING THE ROLE OF SFRP2 IN MODULATING ORGAN FIBROSIS

Dr. Sarika Saraswati* Biological Sciences, Tennessee State University, Ms. Delany Bradford, Biological Sciences, Ms. Meiling Melzer, Vanderbilt University Medical Center, Nashville, TN

POSTER PRESENTATION - THURSDAY, MARCH 30, 2023

GRADUATE SCIENCES - AGRICULTURAL - ELLIOTT HALL AUDITORIUM

Presentations may be available from 9:00 AM - 12:00 PM

	IDENTIFICATION OF PROTEINS AND BIOLOGICAL PROCESSES AFFECTED BY USE OF ESSENTIAL OIL ON FRESH STRAWBERRIES Kajol Pradhan*. Agricultural and Environmental Sciences, College of Agriculture. Advisor(s): Suping Zhou
GP-GSA-02	GENOME-WIDE ASSOCIATION STUDY FOR ROOT SYSTEM ARCHITECTURE TRAITS IN FIELD SOYBEAN [GLYCINE MAX (L.) MERR.]
	Pallavi Rathore*. Agricultural and Environmental Sciences, College of Agriculture. Advisor(s): Ali Taheri, Korsi Dumenyo
GP-GSA-03	COMPARATIVE TRANSCRIPTOMICS REVEALS SMALL RNA COMPOSITION AND DIFFERENTIAL MICRORNA RESPONSES UNDERLYING INTERFERON-MEDIATED ANTIVIRAL REGULATION IN PORCINE ALVEOLAR MACROPHAGES Jiuyi Li*. Agricultural and Environmental Sciences, College of Agriculture. Advisor(s): Yongming Sang, Laura C. Miller
GP-GSA-04	JOHNSON GRASS AND PIGWEED ECOTYPES IN TENNESSEE COUNTIES FOR DNA PROFILING
	Rafeq Jambi*. Agricultural and Environmental Sciences, College of Agriculture. Advisor(s): Ahmad Aziz, Dilovan Yahya
GP-GSA-05	SCREENING AND RESPONSE OF COMMERCIAL COWPEA [Vigna unguiculata (L.) Walp.] CULTIVARS TO LOW pH AND ALUMINUM TOXIC CONDITIONS. Max Miller*. Agricultural Sciences and Environmental, College of Agriculture. Advisor(s):
GP GSA 06	Matthew Blair, Hui Li CONVENTIONAL MUNG BEAN PRODUCTION IN WEST TENNESSEE (SHELBY
GI -G5A-00	COUNTY)
	Joshua Relyea*. Agricultural and Environmental Sciences, College of Agriculture. Advisor(s): Matthew Blair, Bruce Kirksey
GP-GSA-07	UNDERSTANDING ABIOTIC SURFACE INTERACTION MECHANISMS OF
	NUCLEOTIDES ON SOIL MINERALS Diptesh Banerjee*. Agricultural and Environmental Sciences, College of Agriculture. Advisor(s): Sudipta Rakshit, Ali Taheri
GP-GSA-08	FABRICATION OF ANTIMICROBIAL PACKAGING MATERIALS USING NATURAL
	POLYMERS BY COAXIAL-ELECTROSPRAY Zicheng Yi*. Agricultural and Environmental Sciences, College of Agriculture. Advisor(s):
	Zicheng Yi, Richard Mu, Ying Wu
GP-GSA-09	'USER-INSPIRED' UV-C TECHNOLOGIES TO CONTROL MICROORGANISMS AT
	CHILLING STATIONS IN DEVELOPING COUNTRIES
	Amritpal Singh*. Agricultural and Environmental Sciences, College of Agriculture. Advisor(s):
CD CSA 10	Ankit Patras, Brahmaiah Pendyala PROJECT ACTIVITIES TO HELP LOCAL NURSERY AND GARDEN CENTERS TO
Ur-USA-10	MINIMIZE THE IMPACTS FROM THE COVID-19 PANDEMIC
	Jun Guo*. Agricultural and Environmental Sciences, College of Agriculture. Advisor(s): Suping
	Zhou, Ouyang Lizhi, John Ricketts

GRADUATE ENGINEERING - ELLIOTT HALL AUDITORIUM

Presentations may be available from 9:00 AM - 12:00 PM

1 resemunons may be aban	1 resentations may be abundote from 5.00 first - 12.00 first		
GP-GSE-01	DEVELOPMENT OF RECHARGEABLE CEMENT CONCRETE-BASED BATTERIES USING IRON AND NICKEL AS ANIDE AND CATHODE MATERIALS Mercy Sammy*. Civil and Architectural Engineering, College of Engineering. Advisor(s): Lin		
	Li, Shihui Liu		
	Li, Sililiui Liu		
GP-GSE-02	INVESTIGATION OF PHOTODEGRADATION OF IMIDACLOPRID AND		
	THIAMETHOXAM IN AQUEOUS ENVIRONMENT UNDER UVA, UVB AND		
	SUNLIGHT EXPOSURE		
	Sylvia Kirwa*. Civil and Architectural Engineering, College of Engineering. Advisor(s): Lin		
	Li, Roger Painter, Andrea Gardiner		
GP-GSE-03	PRELIMINARY STUDY OF ENERGY STORAGE OF CONCRETE BATTERY BASED		
	ON IRON ANODE-ZINC CATHODE DORCAS MACHIMU, SHIHUI LIU, LIN LI		
	Dorcas Machimu*. Civil and Architectural Engineering, College of Engineering. Advisor(s):		
	Shihui Liu, Lin Li		

GRADUATE SCIENCE - HEALTH SCIENCES - ELLIOTT HALL AUDITORIUM

	Presentations	: may be a	wailable f	rom 9:00 AM	I - 12:00 PM
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Presentations may be abatt	uote from 9.00 Aivi - 12.00 Pivi
GP-GSH-01	A SYSTEMATIC REVIEW OF SCHOOL COUNSELOR CONTENT IN ACA
	Pamela Pugh*, Pranathi Shankar*. Psychology, College of Education. Advisor(s): Lauren
	Rocha
GP-GSH-02	WHY GIVE BIRTH? AN EXPLORATORY STUDY OF THE DEVELOPMENT OF
	FEAR IN CHILDBIRTH
	Imani Rivers* . Psychology , College of Education. Advisor(s): Lauren Rocha
GP-GSH-03	ASSESSING DIVISION I STUDENT-ATHLETE CAREER SELF-EFFICACY AS THEY
	PREPARE TO ENTER THE WORKFORCE
	Korab Idrizi*. Psychology, College of Education. Advisor(s): Lauren Rocha
GP-GSH-04	AN EXPLORATION OF IMPOSTER SYNDROME AND ITS PSYCHOLOGICAL
	EFFECTS ON BLACK WOMEN IN COLLEGE
	Kayla Womack* . Psychology , College of Education. Advisor(s): Lauren Rocha
GP-GSH-05	MULTIRACIAL IDENTITY AND SELF-DISCLOSURE
	Kiana McClintick*. Psychology, College of Education. Advisor(s): Lauren Rocha
GP-GSH-06	SHIFTING THE NARRATIVE: FROM SURVIVING TO THRIVING
	Reniece Martin* . Psychology , College of Education. Advisor(s): Lauren Rocha
GP-GSH-07	INCLUSIVE CLASSROOMS AND PEER PERCEPTION OF STUDENTS WITH
	DISABILITIES
	Jordyn Rosenblum*. Psychology, College of Education. Advisor(s): Lauren Rocha

GRADUATE SCIENCE - HEALTH SCIENCES - ELLIOTT HALL AUDITORIUM

Presentations may be available from 9:00 AM - 12:00 PM

GP-GSH-08	EXPLORING AFRICAN AMERICANS STUDENTS' PERCEIVED THERAPEUTIC OUTCOMES BASED ON THE RACE AND GENDER OF THEIR THERAPIST(S)
	Rhea Harrison*. Psychology, College of Education. Advisor(s): Lauren Rocha
GP-GSH-09	FAMILY FACTORS AND STRESS MANAGEMENT: HOW DOES FAMILY FACTORS AFFECT CHINESE INTERNATIONAL STUDENTS IN THE U.S NAVIGATING STRESS IN COLLEGE? Fanchen Gao*. Psychology, College of Education. Advisor(s): Lauren Rocha
GP-GSH-10	THE IMPACT OF WOMEN IN SPORT
	Maya Howard*. Human Performance and Sport Sciences, College of Health Sciences. Advisor(s): Jason Smith, Poliala Dickson, Robbie Cochrum, James Heimdal, Tim Jones
GP-GSH-11	THE NEED FOR SPORT PSYCHOLOGY PROGRAMS AT THE COLLEGIATE LEVEL
	Julia Koogler*. <i>Human Performance and Sport Sciences</i> , College of Health Sciences. Advisor(s): Poliala Dickson, Jason Smith, Robbie Cochrum, James Heimdal, Tim Jones
GP-GSH-12	COACHING MINORS AT HBCUS
	Bryce Daniet*. <i>Human Performance and Sport Sciences</i> , College of Health Sciences. Advisor(s): Jason Smith
GP-GSH-13	THE IMPACT OF ADULT PLAY ON QUALITY OF LIFE
	Morgan Jackson*, Kaela Kreis*, De'Shaundra Larry*, Valeri Balistreri*. Occupational Therapy,
	College of Health Sciences. Advisor(s): Lisa Porter
GP-GSH-14	THE IMPORTANCE OF OCCUPATIONAL THERAPY IN CAREGIVERS' OCCUPATIONAL BALANCE AND GRIEF PROCESSING IN END-OF-LIFE CARE
	Chardea Harrison*, Emily Bailor*, Jusin Brown*, Keyuna Bufford*. <i>Occupational Therapy</i> , College of Health Sciences. Advisor(s): Lisa Porter
GP-GSH-15	IMPACTS ON MENTAL HEALTH FOR A TYPICAL ADULT WITH A SIBLING WITH
	A DISABILITY
	Nardeen Abskharaun*, Jennifer Bumpous*, Chloe Hixson*, Briera Miles*. <i>Occupational Therapy</i> , College of Health Sciences. Advisor(s): Lisa Porter
GP-GSH-16	SUBSTANCE-USE ADDICTION: LINKS WITH SENSORY PREFERENCES AND
	INDIVIDUALS' AWARENESS OF THEIR SENSORY PATTERNS
	Karina Speth*, Jennifer Sulcer*. <i>Occupational Therapy</i> , College of Health Sciences.
CD CSH 17	Advisor(s): Lisa Porter PREFERRED TEACHING METHODS OF STUDENTS IN A MASTER OF
Ur-USII-1/	OCCUPATIONAL THERAPY PROGRAM
	Katie Bass*, Lauren Meyers*, Abby McArthy*. Occupational Therapy, College of Health
	Sciences. Advisor(s): Lisa Porter
GP-GSH-18	EMERGING PRACTICE OT IN SPORTS
	Erica Batchelor*, Lauryn Caruthers*, D'Arrikya Fields*. Occupational Therapy, College of
	Health Sciences. Advisor(s): Lisa Porter
GP-GSH-19	IDENTIFYING A NEED FOR COPING SKILLS CLASSES IN COLLEGES TO
	IMPROVE QUALITY OF LIFE OUTCOMES
	Brooke Bailey*, Monique Willoughby*. <i>Occupational Therapy</i> Occupational Therapy, College of Health Sciences. Advisor(s): Lisa Porter
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GRADUATE SCIENCE - HEALTH SCIENCES - ELLIOTT HALL AUDITORIUM

Presentations may be available from 9:00 AM - 12:00 PM

GP-GSH-20	EXPLORING THE RELATIONSHIP BETWEEN MENTAL HEALTH EDUCATION AND CAREGIVER SELF-EFFICACY
	Miciah Caruthers*, Madelaine Touzeau*, Arden Butler*. Occupational Therapy, College of
	Health Sciences. Advisor(s): Lisa Porter
GP-GSH-21	THE EFFECT OF AMPUTATION ON BODY IMAGE AND QUALITY OF LIFE
	Ella Cannon*, Emma McClellan*, Kelsey Seitz*. Occupational Therapy, College of Health
	Sciences. Advisor(s): Lisa Porter
GP-GSH-22	A COMPARATIVE REVIEW OF THE EFFECTS OF CORTICOSTEROID
	INJECTIONS AND RESISTANCE EXERCISE ON WOMAC SCORES OF PATIENTS WITH KNEE OSTEOARTHRITIS
	Mina Isaac*, Leilani Lee*, Dalin Parker*, Rebecca Pettross*. <i>Physical Therapy</i> , College of
	Health Sciences. Advisor(s): Ronald Barredo
CD CGH 22	SCREENING FOR PELVIC FLOOR MUSCLE DYSFUNCTION WITH A PRIMARY
GP-GSH-23	COMPLAINT OF LOW BACK PAIN IN OUTPATIENT PHYSICAL THERAPY
	SETTINGS
	Rebecca Villpiano*, Emily Enoch*, Sarah Parsons*, Ashlyn Morrison*. <i>Physical Therapy</i> ,
	College of Health Sciences. Advisor(s): Derek Charles
GP-GSH-24	RETURN TO SPORTS ACL REHABILITATION IN MEN VS WOMEN: WHAT
	WORKS AND WHAT DOESN'T? A SYSTEMATIC REVIEW
	Megan Tidwell*, Miranda Harmon*, Zack Hillis*, Maxwell Maloney*, James Young*.
	Physical Therapy, College of Health Sciences. Advisor(s): Richard Clark
GP-GSH-25	A SYSTEMATIC REVIEW: THE EFFECTS OF PREOPERATIVE PELVIC FLOOR MUSCLE TRAINING ON URINARY INCONTINENCE AFTER PROSTATECTOMY Michael LaRue*, Peter Geroulis, Bryce Reed*, Ben Rosplock*. <i>Physical Therapy</i> , College of Health Sciences. Advisor(s): Marsha Bowman
GP-GSH-26	SENSORY FEEDBACK EFFECTS ON LOWER EXTREMITY PHANTOM LIMB PAIN
GF-GSH-20	WITH MYOELECTRIC PROSTHESES: A SYSTEMATIC REVIEW
	Caroline Edmonson*, Ryan Gant*, Andrew Merritt*, Caleb Wharton*. <i>Physical Therapy</i> ,
	College of Health Sciences. Advisor(s): Karen Smith
CD CGH 27	ARE NEW GRADUATE PHYSICAL THERAPISTS PREPARED TO MANAGE PELVIC
GP-GSH-2/	DYSFUNCTION?
	Leilani Lee*, Thomas Richard*, Dillon Douglas. <i>Physical Therapy</i> , College of Health Sciences.
	Advisor(s): Marsha Bowman
GP-GSH-28	PAIN ATTITUDES AND BELIEFS OF DOCTORATE OF PHYSICAL THERAPY STUDENTS
	Maxwell Ashcroft*, Zachary Richard*, Benjamin Sisco*. <i>Physical Therapy</i> , College of Health Sciences. Advisor(s): David Lehman
	OUTCOMES TO SPINAL FUSION AND ARTIFICIAL DISC REPLACEMENT
GP-GSH-29	SURGERIES IN THE CERVICAL SPINE: A SYSTEMATIC REVIEW
	Ben Alden*, Megan Hoover*, Abby Howard*, Wyatt Walton*. <i>Physical Therapy</i> , College of Health Sciences. Advisor(s): Patricia King

GRADUATE SCIENCE - HEALTH SCIENCES - ELLIOTT HALL AUDITORIUM

Presentations may be available from 9:00 AM - 12:00 PM

GP-GSH-30	THE EXTENT TO WHICH THE RIGOR OF UNDERGRADUATE PREREQUISITE COURSES IS AN INDICATOR OF FIRST-YEAR SUCCESS IN A DOCTOR OF PHYSICAL THERAPY PROGRAM
	Ulani Robinson*. Physical Therapy, College of Health Sciences. Advisor(s): Richard Clark
GP-GSH-31	3RD YEAR TENNESSEE STATE UNIVERSITY PHYSICAL THERAPY STUDENTS' PERCEPTIONS ON PIVOTING TO A HYBRID LEARNING ENVIRONMENT DURING THE COVID-19 PANDEMIC Roy Etta*. Physical Therapy, College of Health Sciences. Advisor(s): Derek Charles
GP-GSH-32	ARE PELVIC HEALTH PHYSICAL THERAPISTS READY FOR THE "OPTIMIZING POSTPARTUM OUTCOMES ACT OF 2022" (H.R. 8181)?
	Kariya Jennings*. Physical Therapy, College of Health Sciences. Advisor(s): Marsha Bowman
GP-GSH-33	EXPLORING CAB MEMBERS' PERCEIVED ROLES, NEEDS, AND SKILLS TO PROMOTE CANCER HEALTH EQUITY Illa Lauking* Dhilin Marris Contact for Description Beautrals (CDB). Beautrals and Strangered
	J'la Jenkins*, Philip Morris. Center for Prevention Research (CPR), Research and Sponsored Programs. Advisor(s): Rebecca Selove, Jennifer Erves, Leah Alexander, Karen Winkfield

GRADUATE SCIENCE - LIFE SCIENCES - ELLIOTT HALL AUDITORIUM

Presentations from 9:00 AM - 12:00 PM		
GP-GSL-01	WNT SIGNALING MODULATION IN CHRONIC WOUNDS	
	Hannah Barge*, Sandra Noel. <i>Biological Sciences</i> , College of Life and Physical Sciences. Advisor(s): Sarika Saraswati	
GP-GSL-02	RESPONSE PATTERNS OF SIMULATED CORN YIELD AND SOIL NITROUS OXIDE EMISSION TO PRECIPITATION CHANGE	
	Navneet Kaur*. <i>Biological Sciences</i> , College of Life and Physical Sciences. Advisor(s): Dafeng Hui	
GP-GSL-03	DIBUTYLTIN STIMULATION OF TUMOR NECROSIS FACTOR A IN HUMAN IMMUNE CELLS: ROLE OF TOLL-LIKE RECEPTOR 4. Latoya Daniel*, Aleshia Seaton-Terry. <i>Chemistry</i> , College of Life and Physical Sciences.	
	Advisor(s): Margaret Whalen	
GP-GSL-04	HEXABROMOCYCLODODECANE (HBCD) INCREASES PRODUCTION OF PRO- INFLAMMATORY CYTOKINES INTERLEUKIN 1 BETA (IL-1B) AND INTERLEUKIN 6 (IL-6) IN HUMAN PERIPHERAL BLOOD MONONUCLEAR CELLS	
	April Falconer-Turner*, Kameron Brooks, Eseoghene Ogaga. <i>Chemistry</i> , College of Life and Physical Sciences. Advisor(s): Margaret Whalen	

GRADUATE SCIENCE - LIFE SCIENCES - ELLIOTT HALL AUDITORIUM

Presentations may be available from 9:00 AM - 12:00 PM

Undergraduate Poster - Interdisciplinary

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GP-GSL-05	ANTIBACTERIAL AGENT, TRICLOSAN (TCS), ALTERS THE PRODUCTION OF PRO-INFLAMMATORY CYTOKINE INTERLEUKIN 1 BETA FROM HUMAN IMMUNE CELLS: THE ROLE OF MITOGEN-ACTIVATED PROTEIN KINASES
	Wendy Wilburn*. <i>Chemistry</i> , College of Life and Physical Sciences. Advisor(s): Margaret Whalen
GP-GSL-06	COMPARISON OF TLR4 AND TLR1/2 IN PENTACHLOROPHENOL INDUCED STIMULATION OF IL-1B IN HUMAN IMMUNE CELLS Aleshia Seaton-Terry*. Chemistry, College of Life and Physical Sciences. Advisor(s): Margaret Whalen

CINDLEGGRADOAI	ET OSTER - INTERDISCH EINART
Presentations from 1:	00 PM - 4:00 PM
UP-01	INDIVIDUAL MICROSPORE ISOLATION FROM SWEET SORGHUM CULTIVARS TOWARDS GENETIC ANALYSIS
	Blake Wright*. Agricultural and Environmental Sciences, College of Agriculture. Advisor(s): Ahmad Aziz, Dilovan Yahya
UP-02	THE BENEFITS OF URBAN FORESTS IN TENNESSEE
	Aria McElroy*. Agricultural and Environmental Sciences, College of Agriculture. Advisor(s): Yujuan Chen
UP-03	IMPACT OF COVID-19 IN AGRI-FOOD SYSTEM AND ITS ENVIRONMENTAL EFFECTS
	Kerrington Howard* . Agricultural and Environmental Sciences, College of Agriculture. Advisor(s): Prabodh Illukpitiya
UP-04	K-12 SCHOOL STAKEHOLDERS' PHENOMENOLOGICAL EXPERIENCES WITH TRAUMA-INFORMED TRAINING
	Kirsten Dillard*. <i>Psychology</i> , College of Education. Advisor(s): Lauren Rocha, Yn'kioko Tillery
UP-05	DESCRIPTIVE STATISTICS OF THE IMPACT OF CABLE RAILS SYSTEMS
	Aaron Lamson*. Civil and Architectural Engineering, College of Engineering. Advisor(s): Deo Chimba
UP-06	THE ROLE OF P38 MAP-KINASES IN HBCD-INDUCED INCREASES IN IL-6 PRODUCTION IN HUMAN IMMUNE CELLS
	Eseoghene Ogaga*, April Falconer-Turner. <i>Chemistry</i> , College of Life and Physical Sciences. Advisor(s): Margaret Whalen
UP-07	he role of p44/42 MAP KINASE IN HEXABROMOCYCLODODECANE (HBCD)-INDUCED PRODUCTION OF INTERLEUKIN 6 (IL-6) IN HUMAN PERIPHERAL BLOOD MONONUCLEAR CELLS (PBMCS)

Advisor(s): Margaret Whalen

Kameron Brooks*, April Falconer-Turner. Chemistry, College of Life and Physical Sciences.

Undergraduate Poster - Interdisciplinary

Presentations may be as	vailable from 9:00 AM - 12:00 PM
UP-08	THE ROLE OF TLR4 IN PENTACHLOROPHENOL-INDUCED STIMULATION OF INTERLEUKIN 6 PRODUCTION BY HUMAN IMMUNE CELLS Zinia Hunter*, Aleshia Seaton-Terry. <i>Chemistry</i> , College of Life and Physical Sciences. Advisor(s): Margaret Whalen
UP-09	TRIBUTYLTIN-INDUCED PRODUCTION OF TUMOR NECROSIS FACTOR A IN HUMAN IMMUNE CELLS INVOLVES TOLL-LIKE RECEPTOR 1/2
	Sophia Fisher*, Meaghan Lewis. <i>Chemistry</i> , College of Life and Physical Sciences. Advisor(s): Margaret Whalen
UP-10	TOLL-LIKE RECEPTOR 4 CONTRIBUTES TO TRIBUTYLTIN STIMULATION OF
	Meaghan Lewis*. Chemistry, College of Life and Physical Sciences. Advisor(s): Margaret
UP-11	ANALYZING ESTROGEN RECEPTOR RESPONSE TO BREASTS CANCER CELLS AT STIFFNESS RELATIVE TO THE BONE MARROW Jada Lott*. Chemistry, College of Life and Physical Sciences. Advisor(s): Margaret Whalen, Julie Rhoades-Sterling
UP-12	MPEMBA EFFECT ON NONAQUEOUS LIQUID: A STUDY OF NON-EQUILIBRIUM FACILITATED FREEZING RATE ENHANCEMENT Alexander San-Marina*. Chemistry, College of Life and Physical Sciences. Advisor(s): Tasneem Siddiquee