POSTER PRESENTATIONS

FACULTY

FP1  POLLEN GENOTYPING IN COTTON FOR GENETIC-LINKAGE ANALYSIS. Aziz, AN1*, J.N. Jenkins2, Jack C. McCarty2, D.M. Stelly3 and S. Saha2
1Department of Agricultural and Environmental Sciences, Tennessee State University, 2USDA/ARS Genetics and Precision Agriculture Research Unit, Mississippi State, MS 3Soil and Crop Science Department, Texas A&M University, College Station, TX

FP2  FARMERS’ PERSPECTIVES FOR GOAT ENTERPRISE IN TENNESSEE. Ekanem, Enefiok, Mary* Mafuyai-Ekanem and Zsa Zsa* Massey. Advisors, Dr. Enefiok Ekanem and Dr. Surendra Singh. Department of Agricultural and Environmental Sciences

FP3  GOMPERTZ-LAIRD MODEL PREDICTION OF OPTIMUM UTILIZATION OF CRUDE PROTEIN AND METABOLIZABLE ENERGY BY PEARL GREY GUINEA FOWL REPLACEMENT PULLETS. Samuel Nahashon*, Department of Agricultural and Environmental Sciences.

FP4  KINETIC PARAMETERS OF PHOSPHATASE: A QUANTITATIVE SYNTHESIS. Hui, Dafenga*, Melanie A. Mayesb, and Gangsheng Wangb. aDepartment of Biological Sciences, Tennessee State University, bEnvironmental Sciences Division and Climate Change Science Institute, Oak Ridge National Laboratory, Oak Ridge, TN

FP5  ASSESSMENT OF STORAGE METHODS FOR TREE BOLT BAIT PREPARATIONS USED AS TRAP ATTRACTANTS FOR WOOD-BORING INSECTS. Bray, Alicia M*, Jason Oliver, Nadeer Youssef, Vic Mastro, Christopher Ranger, Peter B. Schultz, and Michael E. Reding. College of Agriculture, Human and Natural Sciences

FP6  DIVERSITY OF WOOD-BORING BEETLES CAPTURED ON TRAPS BAITED WITH ETHANOL-INJECTED BOLTS FROM SINGLE OR MULTIPLE TREE SPECIES. Oliver, Jason*, Christopher Ranger, Nadeer Youssef, Alicia Bray, Peter Schultz, Michael Reding, and Victor Mastro. College of Agriculture, Human and Natural Sciences

FP7  ASSESSING HBCU COLLEGE STUDENTS’ ATTITUDES REGARDING OLDER ADULTS. Elizabeth Brown, PhD, Owen Johnson, Dr.Ph, and Terri Foxx, Dr. Ph. Department of Public Health, Health Administration and Health Sciences

FP8  COMPLEMENTARY, ALTERNATIVE, AND TRADITIONAL HEALTHCARE IN GENERAL INTEREST MAGAZINES WITH HIGH AFRICAN AMERICAN READERSHIPS – A CONTENT ANALYTIC STUDY. Chakravorty, Bonnie* and Elizabeth Brown. Department of Public Health, Health Administration and Health Science
FP9  IMPROVING THE HEALTH OF THE COMMUNITY: REDUCING UNINTENTIONAL INJURIES IN DRIVERS AND CHILD PASSENGERS
Foxx, Terri, A. Dexter Samuels and Sonja Revell. Department of Health Care Administration and Health Sciences.

FP10  ABSTRACT MOVING FROM A EURO CENTRIC APPROACH TO A CONSTRUCTIVIST MODEL; TRANSITIONING THROUGH CONCEPT MAPPING. Knox, Elizabeth and Carol Bompert. Department of Nursing

FP11  WATER QUALITY VARIABILITY IN TWO CREEKS DOMINATED BY NURSERY PRODUCTION IN THE COLLINS RIVER SUBWATERSHED
Akuley-Amenyenu, Anonya* Sarah Hovis, Aminul Chowdhury and Sam O. Dennis. Department of Agriculture and Environmental Sciences.

GRADUATE POSTER JUDGING THURSDAY APRIL 4 9:00-11:00

GP1  ECONOMIC POTENTIAL OF PRODUCING ETHANOL FROM SWITCHGRASS AND MISCANTHUS IN MID SOUTH REGION
Bansal, Ankit *, P. Illukpitiya; Advisors, Surendra P. Singh, Fisseha Tegegne, Department of Agricultural and Environmental Sciences

GP2  SPECTROCHEMICAL ASSESSMENT OF TAP AND BOTTLE WATER FROM SELECTED MIDDLE TENNESSEE COUNTIES. Aminul Chowdhury*, Anonya Akuley -Amenyenu and Dr. Sam O. Dennis; Advisor, Dr. Sam O. Dennis. Department of Agricultural and Environmental Sciences

GP3  POTENTIALS FOR COUPLING MICROALGAE BIOMASS PRODUCTION TO WASTEWATER TREATMENT AND BIOFUEL FEEDSTOCK PRODUCTION
Fadeyi, Omowunmi*, and Kudjo Dzantor; Advisor, Dr. Kudjo Dzantor. Department of Agricultural and Environmental Sciences

GP4  FACTORS INFLUENCING DEMAND FOR GREENHOUSE PRODUCTS IN TENNESSEE.
Golkonda, Ravindra Bangari*, Krishna Ingram; Advisors, Dr. F. Tegegne, Dr. E. Ekanem and Dr. S.P. Singh, Department of Agricultural and Environmental Sciences


GP6  ENHANCING CELLULOSIC HERBACEOUS PERENNIALS THROUGH ARBUSCULAR MYCORRHIZAL FUNGI SYMBIOSIS. Moore, Virginia*, Advisor, Dr. Kudjo Dzantor. Department of Agricultural Sciences
EFFECTS OF TRIBUTYLTIN EXPOSURES ON SECRETION OF INTERLEUKIN 1β FROM HUMAN IMMUNE CELLS. Brown, Shyretha* and Margaret M. Whalen; Advisor, Dr. Margaret Whalen, Department of Chemistry

HIGH GLUCOSE INDUCES CELL DEATH OF CULTURED HYPERTENSIVE VASCULAR SMOOTH MUSCLE CELLS OF RAT THROUGH ERK 1 & 2 EXPRESSION. Byrd, Crystal and Benny Washington. Advisor, Department of Biological Sciences

HEXABROMOCYCLODODECANE ACTIVATES MITOGEN ACTIVATED PROTEIN KINASE IN HUMAN NATURAL KILLER CELLS. Cato Anita, E. Caroline Kibakaya, and Margaret M. Whalen; Advisor, Dr. Margaret M. Whalen. Department of Chemistry and Department of Biological Sciences

THE EFFECT OF TETRABROMOBISPENOL A ON HUMAN NATURAL KILLER CELLS. Celada, Lindsay and Margaret M. Whalen; Advisor, Dr. Margaret M. Whalen. Department of Biological Sciences

DETECTION OF UNIVERSAL STRESS PROTEIN IN STRAINS OF BACILLUS THURINGIENSIS. Fears, Letimicia*, Mailene King*; Advisors, Dr. Anthony Ejiofor and Dr. Terrance Johnson. Department of Biological Sciences

SYNTHESIS AND ANTIOXIDANT ACTIVITY DETERMINATION OF SOME FLUORINATED ACRIDONE DERIVATIVES. Apraku, John*. Advisors, Dr. Cosmas Okoro and Dr. William Boadi, Department of Chemistry

THE OXIDATION OR REDUCTION OF ORGANIC COMPOUNDS CHELATED BETWEEN A METAL AND POLYSACHHARIDE. Astiney Clark*; Advisor, Dr. Koen Vercruysee Ph.D. Department of Chemistry

C-ACYLATION OF 5-TRIFLUOROMETHYL-1,3-DIONE WITH SUBSTITUTED UNACTIVATED CARBOXYLIC ACIDS AND BENZOYL CHLORIDES Gipson, Shondra*, Advisors, Dr. Cosmas Okoro and Dr. William Boadi. Department of Chemistry

TRIBUTYL Tin (TBT)-INDUCED CHANGES IN CYTOKINE/CHEMOKINE SECRETION IN MICE. Hurd-Brown, Tasia*, Samuel Troy Pellom Jr., Margaret Whalen, Anil Shanker; Advisors, Dr. Margaret Whalen and Dr. Anil Shaker. Department of Chemistry and Department of Biochemistry and Cancer Biology

SYNTHESIS AND CHARACTERIZATION OF PHENANTHROLINE SUBSTITUTED SCHIFF BASES FROM 1,10-PHENANTHROLINE-2,9-DIALDEHYDE. Jaman, Zinia, Advisor, Dr. Mohammad Karim. Department of Chemistry
GP17 EFFECT OF LOW DOSES OF QUERCETIN ON CARBONYLATION IN HEMOGLOBIN AND MYOGLOBIN. Johnson, Damitea*; Advisor Dr. William Boadi. Department of Chemistry

GP18 SYNTHESIS AND CHARACTERIZATION OF FLUORINATED SCHIFF BASES FROM 1,10-PHENANTHROLINE-2,9-DICARBALDEHYDE. Md. Anisur Rahman*; Advisor, Dr. Mohammad Karim, Department of Chemistry

GP19 HEALTH BEHAVIORS OF COLLEGE AGE AFRICAN-AMERICAN MALES: LOOKING AT GENDER CONSTRUCTS ON A DIVERSE SAMPLE Beavers, Mitchell*; Advisor, Dr. Maribeth Walker. Department of Psychology.

GP20 THE RELATIONSHIP BETWEEN PERCEIVED SOCIAL SUPPORT, PERCEIVED STRESS AND COPING SELF-EFFICACY IN RECENT IMMIGRANT COLLEGE STUDENTS. Berman, Amy B.*; Advisor, Dr. Marybeth Walker. Department of Psychology

GP21 THE PERCEIVED LEVELS OF BURNOUT AMONG COLLEGE PROFESSORS TEACHING AT TENNESSEE STATE UNIVERSITY. Brooks, Christopher*; Advisor, Dr. Maribeth Walker. Department of Psychology

GP22 THE IMPACT OF SCHOOL WIDE POSITIVE BEHAVIOR SUPPORT IMPLEMENTATION ON TEACHER EFFICACY. Darwin, Caryn*; Advisor Dr. Maribeth Walker. Department of Psychology

GP23 BRINGING DIVERSITY INTO PSYCHOLOGY PROFILING THE LIVES AND RESEARCH OF: DR. FRANCIS C. SUMNER, FATHER OF BLACK PSYCHOLOGY DR. INEZ B. PROSSER, MOTHER OF BLACK PSYCHOLOGY Greer, Darreon D.*; Advisor, Dr. Roosevelt Faulkner. Department of Psychology.

GP24 EXPLORING THE RELATIONSHIP BETWEEN SELF-ESTEEM, SOCIAL MEDIA USE, AND RISKY SEXUAL BEHAVIORS AMONG AFRICAN-AMERICAN COLLEGE STUDENTS. Hall, Denver*, Advisor, Dr. Maribeth Walker, Department of Psychology

GP25 AN INVESTIGATION OF RELIGIOSITY AND RELIGIOUS BEHAVIOR Harris-Wyatt, Georgetta*; Advisor, Dr. Maribeth Walker. Department of Psychology

GP26 FLOOR EFFECTS IN ASD DIAGNOSIS Jenkins, Kristeena*; Advisor, Dr. James Campbell. Department of Psychology.

GP28  EFFECTS OF TEACHER ATTITUDES ON THE USE OF SWPBS INTERVENTION CONCEPTS TO IMPROVE STUDENT BEHAVIOR IN SCHOOL CLASSROOMS. Newby. Kenya*, Advisor Dr. Maribeth Walker, Department of Psychology

GP29  EXAMINING THE ROLE OF AFRICAN AMERICAN COLLEGE STUDENTS’ PERCEPTIONS OF OTHERS’ COPING SKILLS ON STUDENTS’ PERSONAL COPING AND PSYCHOLOGICAL WELL BEING Newman, Jacqueline A.*; Advisor, Dr. Maribeth Walker. Department of Psychology

GP30  AN INVESTIGATION OF TEACHERS RESPONSES TO BULLYING IN THE PUBLIC SCHOOL SYSTEM. Rice, Wanda*; Advisor, Dr. Maribeth Walker, Department of Psychology

GP31  BULLYING IN FEMALE ADOLESCENCE: CHARACTERISTICS OF BULLY AND TARGET/VICTIM ROLES THROUGH THE REPORTS OF ADOLESCENT GIRLS IN THOSE ROLES. Welsh, Lauren*; Advisor, Dr. Maribeth Walker. Department of Psychology

GP32  EXAMINING THE RELATIONSHIP BETWEEN CONFORMITY TO MASCULINE NORMS AND ATTITUDES TOWARD HELP-SEEKING AMONG AFRICAN AMERICAN MEN. Teresa Young*; Advisor, Dr. Maribeth Walker. Department of Psychology

GP33  A COMPILATION OF STUDIES IN NEUROSCIENCE RESEARCH IMPLEMENTING NEUROSCIENCE RHYTHM-BASED INTERVENTIONS IN THE READING PROCESS. Driggins, Sylvia*; Advisor, Dr. Judith Presley, Department of Teaching and Learning

GP34  AN INVESTIGATION OF THE ROLES AND COMPLEXITIES EXPERIENCED BY STUDENTS ENROLLED IN A DUAL-LISTED COURSE. Duncan, Benjamin*, Leslie L. Duncan, Leigh Arino de la Rubia, Bethany L. Smith, Laura M. Benneyworth, Christopher Tasich; Advisor, Dr. John Mark Hunter. Department of Teaching and Learning.

GP35  PRONUNCIATION INTERVENTIONS FOR ENGLISH SPEAKERS LEARNING SPANISH. Risto, Angela*, Advisor, Nicole Kendall, Department of Teaching and Learning

GP36  A METHODOLOGY TO IDENTIFY FACTORS ASSOCIATED WITH PEDESTRIAN HIGH CRASH CLUSTERS USING GIS BASED LOCAL SPATIAL AUTOCORRELATION. Emaasit, Daniel*; Advisor, Dr. Deo Chimba. Department of Civil Engineering
THE IMPACT OF ABANDONED AND DISABLED VEHICLES TO FREEWAY INCIDENT DURATIONS. Kutela Boniphace* and Deo Chimba; Advisor, Dr. Deo Chimba. Department of Civil Engineering

INDICATIONS OF OIL BIODEGRADATION AT A CRUDE OIL SPILL ON CLEAR CREEK, OBED WILD AND SCENIC RIVER NATIONAL PARK Spear, Loreal *, Jaala Brooks, Carlton Cobb, Brandon Cobb, Marquan Martin, Patrice Armstrong, Mike Bradley; Advisor, Tom Byl. Department of Civil and Environmental Engineering

NANO-SENSOR CONSTRUCTION AND CHARACTERIZATION FOR DETECTION OF LOW CONCENTRATIONS OF CHEMICAL VAPORS. Reynolds, Jonathan*; Advisors, Dr. S. Keith Hargrove, Dr. L. Ouyang, Dr. M Malkani

PRELIMINARY DATA REGARDING ATTITUDES TOWARDS HPV AMONGST AFRICAN AMERICAN MOTHERS AND DAUGHTERS. Bond, Brea*; Advisors, Dr. Owen Johnson and Dr. Elizabeth Williams. Department of Public Health, Health Administration, and Health Sciences.

FACTORS INFLUENCING OCCUPATIONAL THERAPY STUDENTS ACROSS THE UNITED STATES TO PURSUE A CAREER IN MENTAL HEALTH. Allbaugh, Allison; Advisor, Dr. Larry Snyder. Department of Occupational Therapy

THE THERAPEUTIC USE OF THE NINTENDO WII: A PRACTITIONER’S PERSPECTIVE. Bridges, Jessica*, Keegan McAllister, and David McGuire; Advisor, Dr. Larry Snyder. Department of Occupational Therapy

IS HOMELESSNESS CAUSED BY ONE DOMINATING FACTOR OR A COMPILATION OF FACTORS IN NASHVILLE, TN IN MALES AGED 30-50? Porter, Jessica*, Nima Lama, and Hollie Davis, Advisor Dr. Larry Snyder. Department of Occupational Therapy.

THE EFFECTS OF A THERAPEUTIC FIGURE SKATING PROGRAM ON BALANCE AND MOTOR COORDINATION OF CHILDREN WITH DEVELOPMENTAL DISABILITIES. Hardin, Bailie*; Advisor, Christine Watt, Department of Occupational Therapy

THE EFFECTS OF CONTEXTUAL PRIMING AND CUEING ON OCCUPATIONAL PERFORMANCE. Klope, Andrew*, Amber Wirtala, and Phillip Richmond; Advisors, Christine Watt and Dr. Larry Snyder. Department of Occupational Therapy

VISUAL MOTOR INTEGRATION AND HANDWRITING. Langford, Rachel*, Denise Gayle, and Latresha Pearce; Advisor, Dr. Larry Snyder. Department of Occupational Therapy
GP47 THE ATTITUDE AND KNOWLEDGE BASE REGARDING CARDIOPULMONARY RESUSCITATION IN OCCUPATIONAL THERAPY PROFESSIONALS IN MIDDLE TENNESSEE. Marple, Claire*, Olivia Brown, and Anna Haley; Advisor, Christine Watt. Department of Occupational Therapy

GP48 DEFINING OCCUPATIONAL THERAPY: ALLIED HEALTH CARE STUDENTS AS COMPARED TO OCCUPATIONAL THERAPY STUDENTS. Rogers, Lauren*, Cherise Longenecker, and Larielle Taylor; Advisor, Dr. Larry Snyder. Department of Occupational Therapy

GP49 ANIMAL INTERACTION AND ITS EFFECTS ON HUMAN VITAL SIGNS WITHIN THE GERIATRIC POPULATION. Ross, Mckenzie, *Danielle Richardson, *Anne McGinn, Advisors, Christine Watt and Larry Snyder. Department of Occupational Therapy

GP50 ATTITUDES OF OCCUPATIONAL THERAPY STUDENTS TOWARDS WORKING WITH PERSONS WITH HIV/AIDS: A COMPARISON STUDY. Sykes, Rachel*, Chelsea Fouch, and Lauren Williams; Advisor, Ms. Christine Watt. Department of Occupational Therapy

GP51 ROLE OF HIP MUSCULATURE STRENGTH IN FEMALES ATHLETES PRESENTING WITH PATELLOFEMORAL PAIN AND BENEFITS OF A STRUCTURED HIP STRENGTHENING PROGRAM. Michael Alcorn*, Molly Foster, Courtland Murrell, Justin Phelps, and Brett Prentiss; Advisor, Dr. Deborah Edmondson. College of Health Sciences

GP52 BIOMECHANICAL FACTORS FROM THE LOWER EXTREMITY JOINTS ASSOCIATED WITH DEVELOPING ILIOTIBIAL BAND SYNDROME IN RUNNERS. Castleberry, Travis*, Jeff Cobble*, Joshua Orendorf*, Emily Stegeman*, and Jocelyn Woodason*; Advisors, Dr. Derek Charles and Dr. David Lehman. Department of Physical Therapy.

GP53 CAN ANODYNE LASER THERAPY IMPROVE THE SYMPTOMS OF DIABETIC PERIPHERAL NEUROPATHY SUCH AS PAIN LEVEL EXPERIENCED, LOSS OF BALANCE CONTROL, AND DECREASED BLOOD FLOW. Moye, Casey*, Dr. Kevin Lawrence, Brooks Parker, Russ Yates; Advisor, Dr. Kevin J. Lawrence. Department of Physical Therapy

GP54 PHYSICAL THERAPY STANDARDIZED TESTS FOR DIAGNOSING MOTOR DELAYS IN CHILDREN. Maloney, Joshua*, Stegeman, Emily; Advisor, Dr. Natalie Housel, Department of Physical Therapy

GP55 A REVIEW OF RESEARCH EVIDENCE FOR DRY NEEDLING AND ISCHEMIC COMPRESSION INTERVENTIONS IN THE REDUCTION OF PAIN ASSOCIATED WITH MYOFASCIAL TRIGGER POINTS. O’Brien, Chris*, Sara
GP56 MOTOR RESPONSE PROGRAMMING AND MOVEMENT TIME IN CHILDREN WITH HEAVY PRENATAL ALCOHOL EXPOSURE. Pinner, Audrey A*; Robbins, Brad W*; Thompson, Whitney R*; Vaughn, Joshua A*; Walter, Tara L*; Advisor, Dr. Edilberto A Raynes. Department of Physical Therapy

GP57 PRESCHOOL TEACHERS’ COMPLEX SYNTAX PRODUCTION IN THE CLASSROOM. Fisher, Jamie D. 1, Charlene Saunders2, Cassie Christian2, Courtney Clayton2, Helen Bell2; Advisors: C. Melanie Schuele1 and Iris Johnson Arnold2. 1 Department of Hearing and Speech Sciences, Vanderbilt University. 2 Department of Speech Pathology & Audiology, Tennessee State University.

UNDERGRADUATE POSTERS JUDGING THURSDAY APRIL 4, 1:00-3:00

UP1 EXPERIENTIAL LEARNING OF BIOINFORMATICS TOOLS BY ANNOTATION OF A BACTERIAL GENOME. Monk Bria*, Hui Li, Suping Zhou Advisor: Suping Zhou. Department of Agricultural Sciences

UP2 ECOPHYSIOLOGICAL PERFORMANCE OF PIGEONPEA IN NASHVILLE, TN: A THREE-YEAR FIELD EXPERIMENT. Porter Kadijah*, Chih-Li Yu, Corie Wilson, Chloe Davidson, Advisors, Dr. Desh Duseja, Dr. Fisseha Tegegne, Dr. Dafeng Hui. College of Agriculture, Human, and Natural Sciences.

UP3 CHARACTERIZATION OF BACILLUS THURINGIENSIS ISOLATES BY ANTIBIOTIC SENSITIVITY AND SDS-PAGE PATTERN OF SOLUBILIZED CRYSTAL PROTEIN. Armstrong Ebonie*, Erika Stanley, Advisors, Anthony O. Ejiofor and Terrance L. Johnson. Department of Biological Sciences

UP4 THE GENERATION OF GREEN FLUORESCENT PROTEIN TAGGED COLLAGEN IV. Dix, Jessica*, and Walker, Sha’Mere; Advisor, Dr. Michael Ivy. Department of Biological Sciences

UP5 COLLAGEN IV 7S DOMAIN EXAMINATION USING CASTANOSPERMINE. Fitzgerald, Johnathan*, Demetrius Suduth, Billy Hudson, and Michael T. Ivy, Advisor, Michael T. Ivy, Ph.D. Department of Biological Sciences

UP6 DETECTING COPY NUMBER VARIATION IN CHICKEN GENE -LOC419112. Nelson, Rhia, Xiaofei Wang; Advisor, Dr. Xiaofei Wang, Department of Biological Sciences
THE EFFECTS OF FLY ASH ON GERMINATION AND GROWTH OF BEAN SEEDS. Martin, K*, A.E. Clardy and E. K. Dzantor. College of Agriculture Human and Natural Sciences

EFFECTS OF DIBUTYL Tin EXPOSURES ON SECRETION OF INTERLEUKIN 1 BETA FROM HUMAN IMMUNE CELLS. Hopes, Simone* and Margaret M. Whalen; Advisor, Dr. Margaret Whalen. Department of Chemistry

EFFICIENT PROCESS FOR THE SYNTHESIS OF FLUORINE SUBSTITUTED AROMATIC KETONES. Islam, Tasfia*, Advisor, Dr. Mohammad Al-Masum. Department of Chemistry.

EFFECTS OF DIBUTYL Tin EXPOSURES ON SECRETION OF INTERLEUKIN 6 FROM HUMAN IMMUNE CELLS. Jefferson, Breia* and Dr. Margaret M. Whalen; Advisor, Margaret M. Whalen. Department of Chemistry.

ORGANIC POLLUTANTS: ANALYSIS AND DETECTION OF POLYCYCLIC HYDROCARBONS USING SPECTROSCOPIC METHODS. Johnson, Jerica*, Kerry Parchman, and Tiara Thompson Advisor, Dr. William Y. Boadi Department of Chemistry

ANALYSIS AND DETECTION OF ORGANIC POLLUTANTS FROM MAMMOTH CAVE IN TENNESSEE. Parchman, Kerry* Jerica Johnson, Tiara Thompson, John Apraku, Advisor: Dr. William Boadi. Department of Chemistry

THE EXPLORATION OF MOLYBDENUM AND TUNGSTEN COMPLEXES AS CPCD PRECURSORS. Patton, Samuel* Moore, Joshua; Advisor, Dr. Joshua Moore – Department of Chemistry

CHARACTERIZATION OF YAMS USING SEM, IR AND RAMAN IMAGING TECHNIQUES. Pennington, Marcus*, Nsoki Phambu; Advisor, Dr. Nsoki Phambu. Department of Chemistry

CONSTRUCT AMINO ETHER DERIVATIVES BY MICROWAVE ENHANCED COPPER-CATALYZED CROSS-COUPLING REACTION OF POTASSIUM ARYLTRIFLUOROBORATES AND ETHANOL AMINES. Quinones, Linda*; Advisor, Dr. Mohammad Al-Masum, Department of Chemistry

OXIDATION OF ALDEHYDE FUNCTIONALITIES USING POLYSACCHARIDE-STABILIZED GOLD NANOPIERCLES. Readus, Jade* and Koen P. Vercruysse; Advisor, Dr. Koen P. Vercruysse. Department of Chemistry

ANALYSIS AND DETECTION OF ORGANIC POLLUTANTS FROM THE MAMMOTH CAVE IN MIDDLE TENNESSEE BY UV-VIS AND GAS CHROMATOGRAPHY SPECTROMETRY. Thompson, Tiara*; Jerica Johnson, Kerry Parchman, John Apraku, Advisor, Dr. William Boadi. Department of Chemistry
UP18 MICROWAVE IRRADIATED PD-CATALYZED CROSS-COUPLING REACTION OF POTASSIUM ORGANOTRIFLUOROBORATES WITH CARBOXYLIC ACID. Sharia Yeasmin*, Advisor, Dr. Mohammad Al-Masum1*
1Department of Chemistry

UP19 CONCUSSION-RELATED NEUROCOGNITIVE FUNCTIONS AND EVENT-RELATED POTENTIALS IN UNDERGRADUATE STUDENTS: A PILOT STUDY. Hayes, Danicia*, Kiesa Kelly, Hajar Bousseksou, Jin Ziyang, Ashley Shelton; Advisor: Dr. Kiesa Kelly, Department of Psychology

UP20 DISTRIBUTIONS OF CALCIUM BINDING PROTEINS IN THE MEDIAL GENICULATE COMPLEX OF MACAQUE MONKEYS. Mendoza, Ileana*; Advisor, Dr. Lisa A. de la Mothe. Department of Psychology.

UP21 CONNECTIONS OF AREA 6d WITH FRONTAL CORTICAL AREAS IN THE MARMOSET MONKEY. Mitchell, Martina*, Cory Miller; Advisor, Dr. Lisa A. de la Mothe. Department of Psychology.

UP22 PERCEPTION OF ATTRACTIVENESS AMONG AFRICAN AMERICAN MEN AND WOMEN BASED ON CULTURAL AWARENESS AND ENVIRONMENT Scales, Tiffany*, Martina Mitchell, and Kisha James; Advisor Dr. Mary Shelton. Department of Psychology.

UP23 THE INTERACTION OF DECISIVENESS, DECIDEDNESS, AND CHOICE IMPORTANCE ACROSS EDUCATIONAL COHORTS IN A SAMPLE OF UNDERGRADUATE STUDENTS. Zaire, LeAnne*; Advisor, Dr. Marie Hammond, Department of Psychology.

UP24 IMPROVEMENTS TO THE RV WASTE-TRANSFER STATION DESIGN TO REDUCE CONTAMINATED STORM RUNOFF. David Solomon1, Sean McMillan1, Ashley West1, and Lonnie Sharpe1, Acknowledgement - Thomas By11.2  Tennessee State University, Nashville, TN; 2. U.S. Geological Survey, Nashville, TN

UP25 DESIGN AND DEVELOPMENT OF CANAL TRAVERSING DEVICE. James Calhoun* and January Wisniewski, Advisor, Fenghui Uao. Department of Computer Science

UP26 DEVELOPMENT OF SECURE WEB BROWSER TO PROTECT SMARTPHONES FROM MALICIOUS WEBSITES. Miller, Ian*; Advisor, Dr. Sachin Shetty, Department of Electrical Engineering

UP27 A VAR SYSTEM FOR TEACHING & LEARNING IN MECHANICAL ENGINEERING. Morton, Benjamin W.; Stephanie Starling, Advisors, Dr. Sachin Shetty, Dr. S.K. Hargrove. Department of Electrical Engineering
UP28 STUDY OF NAFION THIN FILMS FOR USE IN NANOSENSOR FOR EXPLOSIVE DETECTION. Mallard, Jonathan*, Thomson, Terrence*, Jonathan Reynolds; Advisors: Dr. Lizhi Ouyang, Dr. M. Malkani and Dr. S.K. Hargrove. Department of Physics and Math

UP29 REPRESENTATION OF THE BLACK FEMALE BODY IN POPULAR CULTURE: A BRIEF CONTENT ANALYSIS. Talbert, Britani* Advisor, Dr. Barbara Kilbourne. Department of Sociology

UP30 LEADING CAUSES OF MORTALITY AMONG CHILDREN. Taylor, Pamela* and Brooks, Andrea; Advisor, Dr. Barbara Kilbourne and Robert S. Levine, MD, Meharry Medical College. Department of Sociology