Scholars Week 2021 Winners
University-Wide Poster Exposition
April 16, 2021

COLLEGE OF BASIC & APPLIED SCIENCES

Undergraduate 1st Place

Exploring Undergraduate Biology Students’ Attitudes and Science Communication about COVID19 and COVID19 Vaccines
Mariana De Araujo Bryan, Thipphaphone Niravong, Laine Matthews
Mentor: Maryann Elizabeth Barnes, Biology

Undergraduate 2nd Place

Influence of varying kudzu leaf meal particle sizes added to a broiler diet
Emily Stafford
Mentor: Kevin Downs, Agriculture

Undergraduate 3rd Place

Synthesis of functionalized peptoids designed to coordinate to quantum dots for use in biomedical applications
Cameron Maddux
Mentor: Kevin Bicker, Chemistry

Graduate 1st Place

Outside the Classroom: An Evaluation of Equine Internships
Kaylee Layton
Mentor: Holly Spooner, Equine Health

Graduate 2nd Place

An Advanced Convolutional Neural Network for Detecting Chest X-ray Abnormalities.
Fady Tawfik
Mentor: Xin Yang, Computer Science

Graduate 3rd Place

Toward Sustainable Municipal Solid Waste Management: Biogas Generation in Middle Tennessee Landfills.
Juan Garcia
Mentor: Mina Mohebbi, Engineering Technology
COLLEGE OF BEHAVIORAL & HEALTH SCIENCES

Undergraduate 1st Place

Examining the Impact of Past Educational Experiences on Current Reading Ability and Psychological Functioning

Lauren Hunsicker
Mentor: Emily Farris, Dyslexia Services

Undergraduate 2nd Place

A Review of the Comorbidity of ADHD and Dyslexia

Esmeralda Ramirez
Mentors: Emily Farris, Dyslexia Services and Tim Odegard, Education

Undergraduate 3rd Place

Why They Died: An expanded analytical examination of details surrounding a sample of officer-involved shooting deaths in 2019 in the United States

Amanda Washington
Mentor: Ben Stickle, Criminal Justice Adm

Graduate 1st Place

Gender Differences in Perceptions of Personal Growth After Dating Violence

Justice Cundiff, Myra Pennington
Mentor: Mary Ellen Fromuth, Psychology

Graduate 2nd Place

Perceptions of Physical Education Majors Response to Emergency Remote Teaching During COVID-19

Alex Adams
Mentor: Brandon Wallace, Sociology and Anthropology

Graduate 3rd Place

Development of the Sexual Abuse Assessment Tool [SAAT] for exercise professionals who interact with women survivors of sexual abuse

Rebecca Claypool
Mentor: Angie Bowman, Health and Human Performance
COLLEGE OF BUSINESS

Undergraduate 1st Place

Beauty During a Pandemic: The Impact of COVID-19 on the Cosmetic Industry
**Katelyn Gardner**
Mentor: Diane Edmondson, Marketing

Undergraduate 2nd Place

MTSU Daniels Center Video Project
**Javier Hernandez**
Mentor: Hilary Miller, Veterans & Military Family Center

Graduate 1st Place

Differentiating Sales Education through the Addition of an International Element
**Hannah Makarczyk**
Mentor: Diane Edmondson, Marketing

Graduate 2nd Place

Impact of Electric Vehicle Adoption on Electricity Consumption and Generation: Evidence from California
**Atia Ferdousee**
Mentor: Michael Roach, Economics and Finance

COLLEGE OF EDUCATION

Graduate 1st Place

The Effect of a Knowledge-Based Curriculum Using Science Read-Alouds on Vocabulary and Listening Comprehension Outcomes with Preschoolers
**Nicole Crouch, Eric Oslund, Amy Elleman**
Mentor: Dr. Eric Oslund, Elementary and Special Education

Graduate 2nd Place

Dyslexia Specific Font: A Promised Solution but is it Effective?
**Pamela Shewalter**
Mentor: Tim Odegard, Education

Graduate 3rd Place

Physical Education Teachers Technology Self-Efficacy and Integration
**Alex Adams**
Mentor: Donald Belcher, Health and Human Performance
COLLEGE OF LIBERAL ARTS

Undergraduate 1st Place

Perceptions of Race Among Members of the Egyptian Diaspora in the United States
**Valarie Risk**
Mentor: Meredith Dye, Sociology and Anthropology

Undergraduate 2nd Place

**Miura Rempis**
Mentor: John Maynor, Political Science Intl Relations

Undergraduate 3rd Place

Understanding leadership styles and the prevention and management of nursing burnout in the hospital setting
**Kayleigh Payne**
Mentor: Betsy Dalton, Communication Studies

COLLEGE OF MEDIA AND ENTERTAINMENT

Graduate 1st Place

Simple Signal Processing: Designing a User-Experience-Oriented Digital Equalizer
**Andrew Bainton**
Mentor: John Merchant, Recording Industry

Graduate 2nd Place

Binaural Audio with End User Control: A Binaural, Virtual Reality Nature Walk for Oculus Quest 2 with User Controllable Equalization
**Dustin Painter**
Mentor: John Merchant, Recording Industry

Graduate 3rd Place

Music and Emotion: A Concept Album Employing Emotion and Tragedy as Central Themes
**Michael Ryan**
Mentor: Bill Crabtree, Recording Industry
UNIVERSITY COLLEGE

Graduate 1st Place

Will your TSA claim be approved? - A predictive modeling approach

Tingting Sun
Mentor: Lu Xiong, Mathematical Sciences