

RESEARCH | INNOVATION | SCHOLARSHIP | ENTREPRENEURSHIP

**UBRISE**

**DISTINGUISHED FACULTY AWARD**

**Cassidy Haigh, PhD<sup>1</sup> and Lora Levett, PhD<sup>2</sup>**

[An Empirical Test of Forensic Confirmation Bias in the Prosecution Context #4](#)

<sup>1</sup>College of Science and Society, Department of Criminal Justice and Human Security

<sup>2</sup>University of Florida, College of Liberal Arts and Sciences

**Dr. Shannon Hashemi, CMA**

[Quality of the Reported Earnings by U.S. Firms During The Pandemic of 2020 #6](#)

College of Engineering, Business, Education

Ernest C. Trefz School of Business, Department of Accounting

## **DOCTORAL CATEGORY**

### **1<sup>ST</sup> PLACE RECOGNITION**

**Laura Morello**

[The Development and Validation of the Skills Self-Efficacy Scale for Adolescents \(SSES-A\)](#)

#33

Advisor: John Chick, EdD ('10, '19, '23)

College of Engineering, Business, Education  
School of Education

### **2<sup>ND</sup> PLACE RECOGNITION**

**Alana Sejdic**

[What Do Special Ed Teachers Who Prepare Students for College Know About Disability Laws  
After High School?](#) #32

Advisor: Jeffery Vance, EdD ('18)

College of Engineering, Business, Education  
School of Education

### **3<sup>RD</sup> PLACE RECOGNITION**

**Rachel Satter**

[Development and Psychometric Validation of an Instrument to Measure Social-Emotional  
Learning and Competency for Preservice Teacher Candidates](#) #34

Advisor: Kathleen Wallace, EdD ('20)

College of Engineering, Business, Education  
School of Education

## **MASTERS CATEGORY**

### **1<sup>ST</sup> PLACE RECOGNITION**

**Apeksha Baisakhiya, Jayant Bolisetty, Rohan Charupally**

[Will AI render Auditors Obsolete? #49](#)

Advisor: Arthur McAdams, PhD

College of Engineering, Business, Education

Ernest C. Trefz School of Business

### **2<sup>ND</sup> PLACE RECOGNITION**

**Michael Sekyere<sup>1</sup>, Rebecca M. Johnson<sup>2</sup>, Douglas E. Brackney<sup>2</sup>**

[Characterization of Aedes Aegypti Collagen IV and SPARC Expression and the Role in Midgut](#)

[Repair Following Blood Feeding #47](#)

Advisor: Seokyoung Kang, PhD

<sup>1</sup>College of Science and Society, Department of Biology

<sup>2</sup>The Connecticut Agricultural Experiment Station, Department of Entomology (New Haven)

**3<sup>RD</sup> PLACE RECOGNITION**

**Maria Koah, Anjana Paudel, David Maliar**

[Reassessing the Association Between Traffic Stops and Calling the Police for Help](#) #45

Advisor: Cassidy Haigh, PhD

College of Science and Society

Department of Criminal Justice and Human Society

**ALUMNI AWARD RECOGNITION**

**Vishal Bishnoi**

[Impact of Macroeconomic Factors on Financial Markets](#) #50

Advisor: Consheng Wu, PhD

College of Engineering, Business, Education

Ernest C. Trefz School of Business

**HONORABLE MENTION RECOGNITION**

**Hillary Deane**

[A Systematic Review: The Effects of Cannabis Use on Oral Health](#) #44

Advisor: Nadine Spring, PhD, MPH, MS ('06)

College of Health Sciences

School Health Professions - Master's in Public Health

## UNDERGRADUATE CATEGORY

### 1<sup>ST</sup> PLACE RECOGNITION

**Vivien Ruettgers**

[Exploring the Concept of Happiness: Preliminary Assessment of a New Model](#) #76

Advisor: Elizabeth Fles, PhD

College of Science and Society

Division of Behavioral Science - Psychology

### 2<sup>ND</sup> PLACE RECOGNITION

**Ronelle Robinson**

[Synthesis and UV-vis/HPLC Spectra Analysis of Novel Benzimidazole Analogue Having Sugar Moiety as Chemotherapeutic Agent](#) #77

Advisor: Abu Gafar Hossion, PhD

College of Science and Society

Chemistry Department

### 3<sup>RD</sup> PLACE RECOGNITION

**Brandon Galvan, Dheerajsanth Santhakumar, Christopher Vazquez,**

**Rashad Junior Baba-Adama**

[Drone Distribution System](#) #79

Advisor: Ausif Mahmood, PhD & Ahmed El-Sayed, PhD ('11,'16)

College of Engineering, Business, Education

School of Engineering - Department of Computer Science

## **ALUMNI AWARD RECOGNITION**

**Adam Soliman, Melvin Afriyie, Elvin Conde, Berlange Altema**

[Parkease](#) #78

Advisor: Ausif Mahmood, PhD

College of Engineering, Business, Education

School of Engineering

## **HONORABLE MENTION**

**Daniel Rodriguez, Jose Cabrera, Thomas Rodriguez**

[Autonomous Vacuum Cleaner Robot](#) #80

Advisor: Ahmed El-Sayed, PhD ('11,'16)

College of Engineering, Business, Education

School of Engineering

## **HIGH SCHOOL CATEGORY**

### **1<sup>ST</sup> PLACE RECOGNITION**

**Cole Galla**

[Synthesis of Conductive Optical Lenses for Observation of Variable Refractive Indices](#) #98

Advisor: Kirk Shadle ('06)

Bridgeport Regional Aquaculture Science Technology Education Center

### **2<sup>ND</sup> PLACE RECOGNITION**

**Scarlett Zhai**

[Determining the effect of the protein SAMP-1 on chromosome segregation in C. elegans embryos](#) #99

Advisor: Cathy Piscitelli

Amity High School

### **3<sup>RD</sup> PLACE RECOGNITION**

**Eliana Howard**

[An Analysis of the Efficacy of Chamomile Flavonoids as a Preemptive Measure for Basal and Squamous Cell Carcinomas](#) #101

Advisor: Kirk Shadle ('06), Carla Ebmeyer

Bridgeport Regional Aquaculture Science Technology Education Center

**ALUMNI AWARD RECOGNITION**

**Sophia Clark**

[An Evaluation of Biochar's Surface Area and Porosity Capacity to Remediate Heavy Metal Contaminated Aqua Systems](#) #102

Advisor: Kirk Shadle ('06)

Bridgeport Regional Aquaculture Science Technology Education Center

**HONORABLE MENTION**

**Eden Cunningham**

[Using an Experimental Algorithm to Detect Stress in Homarus americanus in Aquaculture](#) #103

Advisor: Kirk Shadle ('06)

Bridgeport Regional Aquaculture Science Technology Education Center

**HONORABLE MENTION**

**Matthew Park**

[Investigating the Diversity of Various Bacterial Strains to Determine Anti-Resistance Between Oral Environments Containing Compromised and Healthy Teeth](#) #96

Advisor: Cathy Piscitelli

Mentor: Dr. Feng Qian

Amity High School