

## **College of Health and Human Services**

Madeline Elder	Amanda Funk	The Effects of Myofascial Release on Upper Extremity Impairment in Stroke Patients
Niah Soult	Darby Haynes-Lawrence	The Role of Children's Literature in Understanding, Accepting, and Adjusting to a Parent's Diagnosis of Multiple Sclerosis

## **Gordon Ford College of Business**

Ian Hamilton	Lily Zhuhadar	Using Machine Learning Algorithms to Detect Financial Fraud
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## **Ogden College of Science & Engineering**

Tithe Ahmed	Michael Stokes	Use of UAV-based multispectral imagery to locate invasive species and characterize habitat
Christian Alcantar	Rui Zhang	Probing catalytic and biomimetic oxidation of organic sulfides by manganese corroles
Kyle Choat	Fatemeh Orooji	Kentucky Resilient House: Integrating Resilience into Architectural Design
Hannah Congleton	John Khouryieh	Effect of pH and Kappa (k)-Carrageenan on the Oxidative Stability of Cod Liver Oil-inwater Emulsions
Sarah Elder	Jenni Teeters	Intervention Treatment Effectiveness for Anxious Self-medicating Marijuana Users
Ty Foster	Nilesh Sharma	Phytoremediation Potential of Lespedeza species
Clarissa Gearner	Simran Banga	Potential Use of Essential Oils as Alternative Treatment for Dermatophyte Infections
Anas Gondal	Ajay Srivastava	A Genetic Screen for Proteins Involved in ASP Invasion
Isaac Howard	Yongming Deng	Development of Efficient Synthesis Methods for Chiral Bis(Imino)Pyridine Ligands
Mequeil Howard	Diane Lickenbrock	Come on, Baby, Do the Locomotion: Infant Temperament and Cardiac Physiology as Predictors of Locomotion
Alexandra Johnston	Michael Smith	Investigating the effect of monofunctional platinum-based compounds on auditory ear organ hair cell apoptosis
Natalie Kincheloe	Leslie North	Promoting climate change science communication through glacier tourism
Seth Klaine	Rui Zhang	Generation and kinetic studies of porphyrin-manganese(IV)-oxo intermediates
Eliza Laves	Amy Brausch	Similarities and differences in eating disorders and non-suicidal self-injury
Elaine Loosekamp	Martin Stone	Food Waste to Black Gold: WKU's Food Digester Saves Money & Makes Compost
Lawrence Madriaga	Ivan Novikov	Prediction of Metal Sample Failure from Scanning Electron Microscope Images Using Convolutional Neural Network
Lea Mitchell	Jason Polk	Developing Maximum Contaminant Levels for Metals to Protect Karst Groundwater Quality

Emma Moore	Ahmet Ozkan Ozer	A numerical investigation for the vibration control of piezoelectric devices
Jessica Schlabach	Blairanne Williams	Effects of Non-leaving Ligands in the Toxicity and Intracellular Accumulation of Two Platinum Compounds in Mammalian Cells
Tristan Szymanski	Eric Rappin	Developing Climate Statistics to Understand Climate Variability and Climate Extremes in Kentucky
Meredith Whitfield	Amy Brausch	How cancer in immediate family members affects self-harm behaviors in emerging adults
Amelia Winrich	Steve Huskey	Realized Pressure on the Dentition of Stone Crab Claws
Jacob Young	Kevin Williams	Synthesis of a Water-Soluble Platinum (II) 1,10-Phenathroline (phen) Complex

### **Potter College of Arts & Letters**

Robert Myers	Sara Corkern	The Farmer - Thesis Film
Kendra McCubbin	Sara Corkern	Gin
Malika Brower	Ching-Yi Lin	Music Enhancing a Music Educator
Laura (Abby) Preston	Ching-Yi Lin	A Study on the Effects of Language Barriers on Student-Teacher Relations
Sarah Schulte	Matthew Herman	Sound and Emotion: The Use of Music in the Cinematic Experience
Kaitlyn Bison	Tim Rich	South Korean Perception of North Korean Refugees
Allison Denny	David Marquez	An Iron Will
Olivia Bowers	Guy Jordan	From D.C. to Kentucky: The History of the U.S. Senate Clerk's Desk
Mariah Gonzalez	Lauren McClain	Integration of Transgender Students at WKU
Haley Doerr	Amelia Rollings	The Short-Term Effects of Acidic Versus Non-Acidic Meals on Acoustical and Perceptual Measures of Female Singers
Bronwyn Liddle	Marilee Salvator	Printmaking Workshops
Travis Ryan	Scott Lasley	An Empirical Evaluation of "Beer and Circus" in Higher Education Communication