

2016 Research & Creative Activities Program

Award Recipients & Project Titles

College of Education & Behavioral Sciences

Gary	Houchens	Educational Administration, Leadership & Research	Teacher Perceptions of Working Conditions, School Effectiveness, and Improvement in Kentucky Schools
Xiaoxia "Silvie"	Huang	School of Teacher Education	Effect of Math Anxiety Coping Intervention
Cheryl	Wolf	Counseling & Student Affairs	Enhancing Education-University-Industry Collaborations to Support Regional College and Career Readiness

College of Health & Human Services

Jooyeon	Hwang	Public Health	Evaluation of accumulated contaminants on firefighter vehicles
Ritchie	Taylor	Public Health	Development of the Hazardous Materials Information System for Emergency Response (HMISFER)
Rachel	Tinius	Kinesiology, Recreation & Sport	Physical Activity During Pregnancy: Novel Pathways for Improving Maternal and Neonatal Outcomes
Lee	Winchester	Kinesiology, Recreation & Sport	The impact of exercise on inflammation and monocyte phenotype in obesity and type II diabetes

Ogden College of Science & Engineering

Gregory	Arbuckle	Architectural & Manufacturing Sciences	Micro-structuring in Difficult-to-cut Glass Using the Micro-milling Process
Farhad	Ashrafzadeh	Engineering	Development of Next Generation of Energy-Efficient and Eco-Friendly Clothes Dryers (E2 Dryers) – A Virtual Sensing Approach
Amy	Brausch	Psychological Sciences	Identifying How Nonsuicidal Self-Injury Transitions to Suicidal Behavior in Young Adults
Vladimir	Dobrokhotov	Physics & Astronomy	Prognostics of Natural Gas Filters Using Wireless Optical Sensors
Ali	Er	Physics & Astronomy	Electron Diffraction Monitoring of Graphene Growth by Pulsed Laser Deposition
Natasha	Gerstenschlager	Mathematics	Improving Mindfulness, Anxiety, and Content Knowledge in Mathematics Pre-Service Teachers

Steven	Gibson	Physics & Astronomy	Building Radio Astronomy Research at WKU
Philip	Lienesch	Biology	Preliminary Evaluation of Black Bass Distribution in Small Kentucky Streams for Comparison with Introduced Bass in South Africa
Leslie	North	Geography & Geology	Evaluating the use of eye-tracking to enhance sustainable ecotourism development
Jason	Polk	Geography & Geology	Improving Glacial Water Resource Understanding in the Arctic through a Hydrogeochemical Analysis of Iceland's Glacial Meltwater Rivers
Michael	Smith	Biology	Investigating the synergistic effects of cisplatin and two curcuminoid compounds on cancer and hearing
Ajay	Srivastava	Biology	Creation and characterization of reagents for genetic analysis of a novel basement membrane degrader "Shrunken Nuts" (snuts) gene in <i>Drosophila melanogaster</i>

Potter College of Arts & Letters

Dorothea	Browder	History	"Roots of Interracial Working-Class Organizing in the YWCA Industrial Program" (Ch. Three of book manuscript)
Miwon	Choe	Art	Live Creative or Else: Cuban Arts Education in Action
David	Marquez	Art	Marquez: Gail Art Museum Solo Exhibition
Shura	Pollatsek	Theatre & Dance	Costume in Motion—Costume Design and Modern Dance

University College

Leila	Watkins	Honors College	Forms of Consolation in Early Modern English Poetry
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