

## 2018-2019 University Research Grant Awards

Rank	Last name	First name	Department	Grant Title	Funded	Joint - Name
Assistant Professor	Amaya-Bower	Luz	Engineering	Research, Design, & Prototyping of a Portable Water Generation System	\$ 3,750.00	
Associate Professor	Bailesteanu	Mihai	Mathematical Sciences	Geometric Methods to Study MEMS (micro-electromechanical systems)	\$ 2,000.00	
Professor	Barrington	Candace	English	Chaucer Behind the Iron Curtain	\$ 5,000.00	
Associate Professor	Basim	Swamy	Engineering	Comparison of Plasticity Characteristics of fine grind soils by Traditional Percussion Apparatus and Cone Penetrometer Methods	\$ 2,500.00	
Professor	Benfield	Richard	Geography	Biological Hot spots, Tourism and the preservation of biodiversity	\$ 3,375.00	
Assistant Professor	Boncoddio	Rebecca	Psychological Sciences	Collaborative Meeting for Research Related to The Impact of Varied Practice on Students' Arithmetic Learning	\$ 3,750.00	
Assistant Professor	Bragg	Caleb	Psychological Sciences	Convergence of Careless Responding Indicators in an Employed Sample	\$ 1,570.00	
Assistant Professor	Bray	Alicia	Biology	Evaluation of Southern Pine Beetle Establishment and Range Expansion into Connecticut	\$ 2,784.00	
Assistant Professor	Bray	Alicia	Biology	Measuring the effects of variable flower resources on European honey bee hive health	\$ 1,662.00	
Assistant Professor	Chakraborty	Sourav	Chemistry and Biochemistry	A Mechanistic Insight into Priming Trees using Phytohormone Methyl Jasmonate against Chewing Insects: A Case Study Involving Emerald Ash Borer, White Ash and Fringe Trees	\$ 4,981.00	

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Associate Professor	Chase	Daniel	Biomolecular Science	Dopamine signaling mechanisms in the ASH neuron of <i>C. elegans</i>	\$ 5,000.00	
Assistant Professor	Chen	Sixia	Computer Science	Enhanced Data Migration Plans for Large Scale Heterogeneous Storage Systems	\$ 2,500.00	
Associate Professor	Ciotto	Carol	Physical Education and Human Performance	The Effects of Before and After School Physical Activity on Academic Performance and Social and Emotional Learning	\$ 6,838.00	Goh, Tan Leng
Associate Professor	Cohen	Diana	Political Science	"Uneasy Alliances: Evaluating Peer-to Peer Relationships in Women's Professional Sports"	\$ 1,875.00	
Professor	Collins	Mary	English	Why are Danish Trans Children and Their Families Doing Better than Their Counterparts in US?	\$ 2,475.00	
Professor	Davis	Michael	Biomolecular Science	Isolation and Characterization of Bacterial Collections as Sources of Drugs to Target Problematic Pathogens	\$ 4,880.00	
Associate Professor	Dhar	Paramita	Economics	A comparative study of the obesity epidemic in US and Spain	\$ 2,000.00	
Associate Professor	Dharavath	Haji Naik	Computer Electronics and Graphics Technology (CEGT)	Effect of Substrate Properties in the Digital Color Reproduction (DCR) of Multicolor Inkjet Printing in a Color Managed Workflow (CMW)	\$ 2,500.00	
Associate Professor	Dobbs-McAuliffe	Betsy	Biomolecular Science	Detailing apoptosis and autophagy during tissue maintenance and regeneration of planarian worms	\$ 1,809.00	
Professor	Dowling	Robert	English	A Place in Time: The Life and Work of Sam Shepard	\$ 3,000.00	

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Associate Professor	Efremoff	Ted	Art	A Refugee's Guide to Rome	\$ 5,000.00	
Professor	Evans	Mark	Geological Science	Structural and Fluid History of the Anthracite Coal Basin in the Appalachian fold-and-thrust belt of Eastern Pennsylvania	\$ 2,560.00	
Associate Professor	Foust	Mathew	Philosophy	Daoism and American Philosophy	\$ 4,846.00	
Professor	Gallagher	Sean	Art	Portraying Our Students, Learning from Past Portraits: Irish Residencies, Museums, and the Land Which Defines	\$ 2,995.00	
Assistant Professor	Gichiru	Pauline Wanga	Educational Leadership, Policy and Instructional Technology	Secondary School Teacher Leaders' Leadership Experiences in Post-Conflict Rwanda: An Examination of Challenges and Policy Options	\$ 3,675.00	
Associate Professor	Gilmore	Susan	English	"Language of the Unheard": Riot on the American Cultural Stage	\$ 1,500.00	
Assistant Professor	Givens	Eugena	Criminology and Criminal Justice	Childhood victimization and its relation to developmental trajectories of adolescent problem behavior and delinquency	\$ 3,712.00	
Professor	Glagovich	Neil	Chemistry and Biochemistry	Controlling the Regiochemistry of Imine Formation	\$ 3,742.00	
Professor	Gotchev	Ivan	Mathematical Sciences	Cardinality Bounds Involving the Weak Lindelöf Degree	\$ 3,750.00	
Professor	Halkin	Sylvia	Biology	Does Experience with Pilferage Influence the Development of Squirrels' Tendency to Cache Preferred Items in Open Areas?	\$ 450.00	

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Associate Professor	Hammad	Khaled	Engineering	Inflow Conditions and the Mass Transfer Behavior of Blood in a Separated Flow Region	\$ 2,500.00	
Associate Professor	Hapeman	Paul	Biology	Development of a Long-Term Monitoring Protocol for American Marten ( <i>Martes americana</i> ) to Assess the Impact of Forest Management Practices on the Green Mountain National Forest in Vermont	\$ 3,750.00	
Associate Professor	Hartwig	Heidi	English	G. K. Chesterton: Modernist Conversion Narratives and Apologetics	\$ 1,250.00	
Professor	Hermes	Katherine	History	"Indigenous Concepts of Justice and the Colonial Reaction in Eastern North America and New Zealand, 1650-1850"	\$ 5,000.00	
Assistant Professor	Holt	Reginald	Counselor Education and Family Therapy	Teaching Contemplative Practices to Counselors in-Training: Exploring the Experiences of Students Enrolled in a Mindfulness-Based Graduate Course	\$ 1,250.00	
Professor	Hoopengardner	Barry	Biomolecular Science	RNA editing in silver springtails: phylogenetic and molecular details	\$ 3,600.00	
Professor	Iannone	Abel	Philosophy	Inquiry and Imagination in Philosophy, the Arts, and Sciences	\$ 1,250.00	
Professor	Jackson	Mark	Biology	Neuroactive Steroid Modulation of Crayfish Neuromuscular GABAergic Neurons	\$ 3,750.00	
Professor	Jarrett	Jeremiah	Biology	The Role of Population Connectivity in the Recovery of Overfished Populations of the Sea Cucumber <i>Holothuria mexicana</i> in the Caribbean	\$ 3,750.00	

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Assistant Professor	Johnson	Steven	Engineering	Studies on the Mechanical Consolidation, and Solid/Transient Liquid State Densification on Al and Mg Alloy Powders	\$ 2,500.00	
Professor	Jones	Mark	History	"An Outbreak of Emotion: Romantic Love and Middle Class Formation in 1921 Japan"	\$ 2,500.00	
Associate Professor	Kapper	Martin	Biomolecular Science	The Role of Phosphofructokinase in High Salinity Adaptation in Ribbed Mussels	\$ 2,483.00	
Assistant Professor	Keazer	Lindsay	Mathematical Sciences	Developing Mathematical Modeling Tasks to Foster Students' Interest in STEM-Careers	\$ 3,750.00	
Assistant Professor	Kim	Yejin	Communications	A Study of Cognitive, Emotional, and Behavioral Constructs of Cyberbullying in Social Media Contexts	\$ 2,500.00	
Professor	King	Thomas	Biomolecular Science	Confirming a gene assignment for the mouse cw mutation	\$ 5,000.00	
Professor	Kurkovsky	Stan	Computer Science	Smart Intrusion Detection System	\$ 3,750.00	
Professor	Kyem	Peter	Geography	Africa's Food Security and the GMO Foods Debate: Is Africa's choice the vital missing link?	\$ 4,450.00	
Assistant Professor	Leong	Chee Hoi	Physical Education and Human Performance	Effect of an 8-Week Resistance Training Program on Anterior Pelvic Tilt, Hamstrings-to-Quadriceps Ratio, and Vertical Jump Performance in Healthy Females	\$ 10,000.00	York, Cassandra Forsythe
Professor	Liard-Muriente	Carlos	Economics	Occupational Differentials in terms of Wages and Employment from the Exodus of Puerto Ricans to Florida	\$ 3,375.00	

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Assistant Professor	Liu	Yan	Educational Leadership, Policy and Instructional Technology	Teachers' Professional Development and the Impact on Teachers' Self-Efficacy for Teaching - Multi-Level Structural Equation Model Using the TALIS 2013	\$ 2,500.00	
Professor	Mahony	Mary Ann	History	Research on the environmental history of Brazil's Atlantic Forest, 1800-1930	\$ 4,830.00	
Associate Professor	Marjani	Sadie	Biology	Methylome Profiling of bovine gametes and in vivo pre-implantation embryos by scBS-Seq	\$ 3,645.00	
Professor	Martin	Kathy	Biomolecular Science	Construction of a Transposon Mutagenized E. coli library	\$ 1,912.00	
Assistant Professor	Meng	Yunliang	Geography	Multiple Sclerosis Death Rates and County-level Contextual Characteristics: A Case Study in New England Region	\$ 3,500.00	
Associate Professor	Menoche	Charles	Music	Dimensional Brass: an Electrobrass Duo for Trumpet and Live Electronics	\$ 4,596.00	
Professor	Mione	Thomas	Biology	Nectar Studies of Wild Relatives of the Tomato	\$ 4,171.00	
Professor	Mitchell	Damon	Criminology and Criminal Justice	Refining a Screening Instrument for Prisoner Sexual Assault	\$ 5,000.00	
Professor	Mitrano	John	Sociology	New Old (or Old New?) Business: Collecting the Stories of Route 66's "Custodial Entrepreneurs"	\$ 3,987.00	
Assistant Professor	Mongillo	Maria Boeke	Educational Leadership, Policy and Instructional	How Do Leaders Support Early Childhood Programs?	\$ 2,677.00	

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Associate Professor	Morano	Peter	Physical Education and Human Performance	The Impact of Vigorous Exercise and Caloric Restriction on Cognitive Function	\$ 4,918.00	McCarthy, Thomas
Professor	Mulrooney	James	Biomolecular Science	Follow the Leader! Characterizing the leader cell in parietal endoderm migration	\$ 3,515.00	
Associate Professor	Nagpal	Pankaj	Accountinc	Factor structure and financial implications of IT security	\$ 2,250.00	
Professor	Naoumov	Viatcheslav	Engineering	COMBUSTION OF PURE BIO-DERIVED FUELS AND FUELS WITH ADDITIVES IN THE LAB-SCALE HYBRID PROPELLANT ROCKET ENGINE AT THE INCREASED FLOW RATES OF OXIDIZER: STUDY OF THE COMBUSTION OF PURE BEES WAX AND PARAFFIN WAX ENRIACHED BY ALUMINUM POWDER	\$ 3,654.00	
Professor	Nicholson	Barbara	Biology	Metallomic Investigation of Nutrient Absorption by Asian Earthworms	\$ 3,261.00	
Assistant Professor	Orange	Matthew	Physical Education and Human Performance	Eccentric Training to Improve Upper Body Muscular Endurance in Females	\$ 2,466.00	
Assistant Professor	Oyewumi	Oluyinka	Geological Science	EVALUATING THE IMPACT OF HUMAN ACTIVITIES ON THE CONCENTRATIONS OF POLYCYCLIC AROMATIC HYDROCARBON (PAH), TRACE AND MAJOR ELEMENTS WITHIN NAUGATUCK RIVER DRAINAGE SYSTEM, CONNECTICUT	\$ 2,500.00	
Professor	Penniman	Clayton	Biology	Population Biology of Vertebrata lanosa in New England, an Obligate Epiphytic Seaweed with Limited Hosts	\$ 2,500.00	

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Professor	Perdomo	Oscar	Mathematical Sciences	Solving difficult equations with applications to helicopter theory and MEMS	\$ 2,500.00	
Professor	Pope-Portelinha	Cynthia	Geography	Medical Care Access and Migration Amongst Cubans in the U.S.: The influence of non-traditional hosting locations on stress	\$ 5,000.00	
Professor	Pozorski	Aimee	English	"I read about you": Joan Gilling, The Bell Jar, and the Limits of the Law	\$ 1,010.00	
Professor	Prescott	Heather	History	Finding Common Ground: Feminist Health Activism and Reproductive Health Policy in the United States since the 1980s	\$ 4,381.00	
Associate Professor	Reeder	Linda	Manufacturing and Construction Management	Colter's First Three Buildings: Design Process and Construction Techniques	\$ 3,750.00	
Associate Professor	Rimzhim	Anurag	Psychological Sciences	Orthographic and Phonological Constraints on Visual Word Recognition in Hindi	\$ 3,750.00	
Associate Professor	Robinson	Christina	Economics	Enjoyment of Physical Activity and Childhood Obesity	\$ 3,750.00	
Professor	Saha	Krishna	Mathematical Sciences	Analysis of Correlated Binary Data in Split-Cluster Designs with an Application to a Split-Mouth Trial	\$ 3,750.00	
Assistant Professor	Schenck	Samantha	Economics	Labor Market Impacts of State-Level Paid Family Leave Programs	\$ 4,945.00	



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Professor	Sharma	Nimmi	Physics and Engineering Physics	Increasing Understanding of Atmospheric Characteristics over a Premier National Oceanic and Atmospheric Administration Global Monitoring Site through Fusion of Electromagnetic Measurements	\$ 5,000.00	
Professor	Shen	Xiaoping	Geography	Spatial Analysis of Liver Cancer Mortality and Area Factors in China	\$ 5,000.00	
Assistant Professor	Showers	Fumilayo	Sociology	"'Africa Rising' or in the Depth of an Abyss?: An Exploration of Aspiring and Return Migrants in Ghana"	\$ 3,000.00	
Assistant Professor	Singhal	Rahul	Physics and Engineering Physics	Study the electrochemical behavior of CuS/graphene nanocomposite for applications to supercapacitors	\$ 10,000.00	LeMaire, Peter
Assistant Professor	Small	Ivan	Anthropology	Migrant-Scapes: Southeast Asian American Domestic Mobilities - New England, California and the South	\$ 3,750.00	
Assistant Professor	Sohn	Young Moo	Engineering	Conditions of Heat Straightening Repair on Damaged Steel Beam Bridges in New England	\$ 3,900.00	
Associate Professor	Sweeny	Darren	Journalism	Severe Weather and Social Media: How Information Seeking and Disseminating Behavior During Hurricane Irma Can Inform and Improve Communication Between Meteorologists and the Public	\$ 1,219.00	
Associate Professor	Wang	Haoyu	Manufacturing and Construction Management	Using Eye Tracking to Assist Robot Virtual Reality Tele-operation	\$ 3,738.00	
Professor	Warshauer	Matthew	History	9/11 Generation	\$ 2,500.00	
Professor	Westcott	Barry	Chemistry and Biochemistry	Lanthanide elements in bacteria: isolation and bioinorganic modeling	\$ 4,875.00	

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Assistant Professor	Williams	Chad	Computer Science	Machine Learning Methods for Cyber Security Intrusion Detection	\$ 1,265.00	
Professor	Wizevich	Michael	Geological Science	Three-Dimensional Reconstruction and Interpretation of Inverted Paleochannel Deposits, East-Central Utah	\$ 3,750.00	
Associate Professor	Zhou	Bin	Engineering	Economic Impacts of Regional and Local Transportation Investment on Downtown New Britain	\$ 3,712.00	
				Total Awarded:	\$ 309,314.00	