

2019-20 AAUP-CSU University Research Grant Awards

Rank	Last name	First name	Department	Grant title	Funding	Co-applicant
Assistant Professor	Chakraborty	Sourav	Chemistry & Biochemistry	Formulation and characterization of novel bioactive materials for root canal treatment	\$ 4,975.00	Johnson, Steve
Assistant Professor	Goh	Tan Leng	Physical Education and Human Performance	The Effects of Before School Physical Activity on Academic Performance and Social and Emotional Learning.	\$ 8,500.00	Ciotto, Carol
Associate Professor	Kapper	Martin	Biomolecular Sciences	Biochemical characterization of Heph1; a multi-copper ferroxidase that is the basis of two, independent "curly whiskers" mutations in mice.	\$ 8,500.00	King, Thomas
Professor	LeMaire	Peter	Physics & Engineering Physics	Study of Nsutite for supercapacitor applications	\$ 3,500.00	Singhal, Rahul
Professor	Nicholson	Barbara	Biology	An investigation of detoxification enzyme glutathione-S-transferase production and activity in naturalized and invasive earthworms	\$ 4,949.00	Chakraborty, Sourav; Alicea-Velazquez, Nilda; Oyewumi, Oluyinka
Assistant Professor	Park	Sangho	Computer, Electronics and Graphics Technology	Distributed Mobile Vision-Sensor Network Deployable to Remote Scenes for Event Recognition	\$ 5,559.00	Hou, Xiaobing
Associate Professor	Robinson	Christina	Economics	Immigration and the Northern Triangle	\$ 7,000.00	Liard-Muriente, Carlos
Professor	Snyder	Jason	Management Information Systems	The Influence of Leader-Follower Social Media Relationships on Work/School Outcomes	\$ 5,600.00	Cistulli, Mark

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Assistant Professor	Abbas	Syed	Biology	Modulation of anxiety and aggression by blue light	\$ 5,000.00	
Assistant Professor	Alicea-Velazquez	Nilda	Chemistry & Biochemistry	Determining the basis of SHP-1 phosphatase ligand selectivity using structural approaches	\$ 5,000.00	
Professor	Barr	Burlin	English	Cinematic Masculinities	\$ 3,500.00	
Professor	Barrington	Candace	English	Chaucer, Bohemia, and Prague: Tracing a 600-Year Conversation	\$ 5,000.00	
Assistant Professor	Basim	Swamy	Engineering	Stabilization of Expansive Soils Using Fly Ash	\$ 3,500.00	
Associate Professor	Boncoddo	Rebecca	Psychological Science	Action and Gesture Training for Pre- and In-Service K-12 Mathematics Teachers	\$ 3,493.00	
Assistant Professor	Bragg	Caleb	Psychological Science	Social Contact and Careless Responding	\$ 3,145.00	
Assistant Professor	Bray	Alicia	Biology	Evaluation of Southern Pine Beetle Establishment and Range Expansion into Connecticut, year two of field work	\$ 2,430.00	
Associate Professor	Chase	Daniel	Biomolecular Sciences	Defining the expression pattern of all dopamine receptors in <i>C. elegans</i>	\$ 5,000.00	
Assistant Professor	Chen	Sixia	Computer Science	Gossip-assisted Multi-Channel Medium Access Control Protocols for Underwater Acoustic Networks	\$ 3,545.00	

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Professor	Cohen	Diana	Political Science	Vegas Born: Professional Hockey and the Quest for Identity in a Tourist City	\$ 3,821.00	
Professor	Collins	Mary	English	Book Project: BRONZED: On the Road to Visit my Bronzed Relatives after the Violence in Charlottesville	\$ 3,434.00	
Professor	Crundwell	Guy	Chemistry & Biochemistry	The synthesis, characterization, and structure determination of several novel aliphatic quinoxalines and pyridopyrazines.	\$ 4,457.00	
Professor	Davis	Michael	Biomolecular Sciences	Newly Effective Therapies for P Aeruginosa Infections	\$ 4,884.00	
Associate Professor	Dharavath	Haji	Computer Electronics and Graphics Technology (CEGT)	Effect of Substrate Properties (Brightness, Shade, and Whiteness) in the Color Reproduction of Multicolor Offset Printing in a Color Managed Workflow (CMW)	\$ 3,500.00	
Associate Professor	Dobbs-McAuliffe	Betsy	Biomolecular Sciences	Rescuing defects associated with fetal alcohol spectrum disorder with N-acetylcysteine using zebrafish as a model system.	\$ 5,000.00	
Associate Professor	Donohue	Margaret	Counselor Education and Family Therapy	School-based Family Counseling 1962-2018: A Scoping Review	\$ 3,500.00	
Professor	Dowling	Robert	English	A Place in Time: The Life and Work of Sam Shepard	\$ 5,000.00	
Associate Professor	Efremoff	Ted	Art	A Refugee's Guide to Rome	\$ 5,000.00	

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Assistant Professor	Fraze	Leah	Mathematical Sciences	The Configurations of Spatial Visualization and Spatial-Analytic Reasoning in Student Learning of Mathematics	\$ 4,300.00	
Assistant Professor	Garceau	Timothy	Geography	A Comparative Assessment of Traffic Safety in Roundabouts within a New England Municipality	\$ 1,895.00	
Associate Professor	Gichiru	Pauline Wangari	Educational Leadership, Policy and Instructional Technology	Paving the Path to Success: What Lessons can Kenya Learn From the Successful Inclusive Education in Rwanda?	\$ 5,000.00	
Associate Professor	Gilmore	Susan	English	"Language of the Unheard": Riot on the American Culture Stage	\$ 1,750.00	
Assistant Professor	Givens	Eugena	Criminology and Criminal Justice	An examination of peer relationships and juvenile delinquency	\$ 4,960.00	
Professor	Gotchev	Ivan	Mathematical Sciences	Cardinal Inequalities for $S(n)$ -spaces	\$ 5,000.00	
Professor	Halkin	Sylvia	Biology	Cache-moving Behavior of Eastern Gray Squirrels	\$ 350.00	
Associate Professor	Hammad	Khaled	Engineering	The Impact of Inflow Velocity Profile and Inertia on Suddenly Expanding Viscoplastic Flows	\$ 4,250.00	

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Associate Professor	Hapeman	Paul	Biology	Assessing the Performance of a Simplified Camera Survey Protocol for Detecting Presence of American Marten (<i>Martes americana</i>) in Pre-Harvest Areas of the Green Mountain National Forest in Vermont	\$ 4,217.00	
Associate Professor	Hartwig	Heidi	English	The Figure of the Convert in Muriel Spark's Novels	\$ 3,500.00	
Professor	Hermes	Katherine	History	Indigenous Connecticut, 1550-1900: An Interactive Digital Resource	\$ 3,256.00	
Professor	Hoopengardner	Barry	Biomolecular Sciences	RNA editing in house spiders: a model for chelicerate RNA processing	\$ 3,318.00	
Professor	Jackson	Mark	Biology	Characterization of short-term actions of serotonin on the membrane potential of crayfish photoreceptors	\$ 5,000.00	
Assistant Professor	Johnson	Steven	Engineering	3-D Investigation of the Structures and properties of Green and Sintered Powder Consolidates	\$ 3,500.00	
Associate Professor	Jones	Shelly	Mathematical Sciences	Culturally Relevant Pedagogy in Mathematics: Theory and Practice	\$ 3,432.00	
Professor	Kurkovsky	Stan	Computer Science	Effective Data Caching in Mobile Social Network Applications	\$ 4,250.00	

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Associate Professor	Lee	Namhun	Manufacturing & Construction Management	A conceptual Framework for Using Wearable Technology to Monitor Construction Workers' Stress for Construction Safety	\$ 2,457.00	
Assistant Professor	Levchak	Charisse	Sociology	Black Women's Lives: Overcoming Microaggressions and Macroaggressions	\$ 5,000.00	
Associate Professor	Marjani	Sadie	Biology	Transcriptome profiling of human IVF embryo spent culture media by RNA-seq	\$ 4,980.00	
Associate Professor	Maurer	Sarah	Chemistry & Biochemistry	In vitro selection and characterization of hydrophobic RNA	\$ 3,500.00	
Assistant Professor	Melendez-Rhodes	Tatiana	Counselor Education and Family Therapy	Comparison of relationship quality of couples who are married and couples who cohabitate	\$ 2,870.00	
Associate Professor	Meng	Yunliang	Geography	Schools near Toxic Sites: An Environmental Justice Study for Schoolchildren in Boston, MA	\$ 3,500.00	
Professor	Mione	Thomas	Biology	Wild Relatives of the Tomato	\$ 2,956.00	
Professor	Mitrano	John	Sociology	Heritage Tourism's Role in the Ethnic Identity Process	\$ 4,554.00	
Professor	Mulrooney	James	Biomolecular Sciences	The Role of PI3K in Actin Dynamics and Lamellipodia Formation	\$ 3,316.00	

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Professor	Naoumov	Viatcheslav	Engineering	Combustion of Pure and Enriched Bio-Derived Fuels in the Lab-Scale Hybrid Propellant Rocket Engine at the Increased Flow Rates of Oxidizer: Study of the Combustion of Bio-Derived Fuels Enriched by Aluminum Powder	\$ 4,924.00	
Professor	Pearson	Fiona	Sociology	The Making of Politician: Woman, Culture, and Politics	\$ 3,280.00	
Professor	Penniman	Clayton	Biology	Effects of Salinization from Road Deicing Runoff on the Community Physiological Profiles of Heterotrophic Prokaryotes in the Stream Periphyton Community	\$ 3,500.00	
Professor	Pope-Portelinha	Cynthia	Geography	A Stressful Exile: Comparative Acculturation Stress of Cuban and Venezuelan Refugees in Non-traditional Hosting Locations in the United States	\$ 5,000.00	
Professor	Reeder	Linda	Manufacturing & Construction Management	Mary Colter's Design Processes and Construction Techniques	\$ 4,250.00	
Professor	Saha	Krishna	Mathematical Sciences	A Study on Inferential Methods for the Ratio of Two Success Rates in the Analysis of Clustered Binary Data with Application to Chemotherapy Study Data	\$ 4,250.00	

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Professor	Salama	Talat	Manufacturing & Construction Management	Experimental Evaluation of Strengthening Reinforced Concrete Beams Using CFRP Laminates	\$ 4,250.00	
Professor	Sharma	Nimmi	Physics and Engineering Physics	Laser Measurements of Pollution Particle Size Distributions	\$ 5,000.00	
Assistant Professor	Singh	Gurbakhshash	Mathematical Sciences	Statistical Inference in the Proportional Probability and Log Binomial Models	\$ 3,500.00	
Assistant Professor	Singhal	Rahul	Physics and Engineering Physics	Electrochemical characterization of MnO ₂ /carbon nanotube composites for applications to supercapacitors.	\$ 3,500.00	
Professor	Sommers	Brian	Geography	World War II Memorialization as it is impacted by Modern Balkan Politics.	\$ 5,000.00	
Assistant Professor	Soper	Carolyn	Economics	Transparency of the Federal Reserve, a force of stability or volatility in financial markets post 2008?	\$ 2,125.00	
Associate Professor	Stokey	Sarah	Management & organization	Teaching Capitalism: A national network of students and teachers	\$ 3,500.00	
Associate Librarian	Vickrey	Renata	E.B. Library	Determinants of Polish Pride - Ethnic Identity of Children of post- WWII Polish Immigrants to New Zealand	\$ 4,250.00	
Professor	Wang	Haoyun	Manufacturing & Construction Management	VR/Eye-Tracking Mediated Teleoperation of Dexterous and Legged Space Robots	\$ 4,250.00	

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Professor	Warshauer	Matthew	History	9/11 Generation	\$ 3,500.00	
Associate Professor	Wei	Fu-Shang	Engineering	Design and Test of a Full-Scale Helicopter Flight Simulator	\$ 3,500.00	
Associate Professor	Werblow	Jacob	Educational Leadership, Policy and Instructional Technology	Seikatsu kiroku and other Instructional Practices of Japan's Peace Educators in Promoting Greater Equity, Sustainability, and Peace.	\$ 4,250.00	
Professor	Westcott	Barry	Chemistry & Biochemistry	Molecular Structure of Models for Vanadyl Impurities in Petroleum	\$ 3,395.00	
Professor	Wizevich	Michael	Geological Sciences	Investigation of Late Triassic Dinosaur Trackways of the Eastern Alps, Switzerland	\$ 5,000.00	
Librarian	Wolynska	Ewa	Library	Eliza Talcott, 1836 – 1911, Pioneer Missionary and Connecticut Original	\$ 4,150.00	
Assistant Professor	York	Cassandra	Physical Education and Human Performances	The effect of a low FODMAP diet on gastrointestinal disruption, exercise ability, and mental health in healthy athletic college students	\$ 4,879.00	
Assistant Professor	Zhou	Bin	Engineering	Statistical Analysis of Truck Crash Severity	\$ 3,430.00	