



**Proposals Submitted
July 1, 2021 - June 30, 2022**

Principal Investigator	Agency	Title	Amount
Akwaboa, Stephen	LA BOR	Enhancement of Research and Education in Material Science through the Acquisition of Discovery Laser Flash (DLF1600) Investigative Thermal Equipment	\$162,000.00
Andrews, Donald	U.S. DoEd	Promoting International Business Education and Enhancing Export Readiness, Nascent IT, Global Supply Chain, and Entrepreneurship Through Academic Exchange Partnership	\$190,000.00
Andrews, Donald	Texas Tech University	NSF Innovation-Corp Hub: South-Central Alliance (SCALE)	\$750,000.00
Andrews, Donald	U.S. Department of Commerce	Accelerating Entrepreneurial Education across the Southern University and A&M College Campus by Establishing the Entrepreneurship Institute for Strengthening Innovation, Venture Creation and Global	\$601,422.00
Banadaki, Yaser	National Security Agency	Southern University GenCyber Youth Camp	\$149,549.02
Banadaki, Yaser	NSF	Collaborative Research: Learning-aided Linear Nonparametric Joint Chance Constraints for Security Action Scheduling under Interstate Impot/Export Flow	\$101,709.00
Banadaki, Yaser	LA BOR	Southern University System-Cybersecurity Talent Initiative Program (SUS-CyberTIP) - Phase II	\$245,244.00
Banadaki, Yaser	University of Delaware	Artificial Intelligence Institute for Coastal-Smart Digital Agriculture	\$599,948.00
Batra, Sanjay	NSF	Role and Regulation of Danger Associated Molecular Patterns in Vaping Induced Toxicity/Inflammation	\$1,186,025.00

Batra, Sanjay	Arkansas State University	AIM AHEAD Coordinating Center	\$1,000,000.00
Batra, Sanjay	LSU School of Veterinary Medicine	Center for Pre-Clinical Cancer Research: Unlocking Macrophage Polarization and Functional Dynamics during E-Cigarette Vapor Condensate Exposure	\$70,000.00
Batra, Sanjay	NSF	Excellence in Research: Organochlorine Pesticide Mediated Inflammation/Toxicity: Multiomics and Mechanistic Approach to Identify Cellular Mechanisms	\$676,204.00
Batra, Sanjay	NIH	Danger-Associated Molecular Patterns: Emerging Role in E-Cigarettes Induced Inflammation	\$416,253.00
Batra, Sanjay	NIH	Role and Regulation of Cannabinoid Receptor-mediated Signaling: Organochlorine Pesticide Induced Inflammation	\$416,973.00
Batra, Sanjay	Arkansas State University	BPC-A: National AI Campus Undergraduate Summer Bridge Program	\$32,548.00
Batra, Sanjay	NIH	Exploring the Role of Epigenetic Paradigm Shift on human Macrophage Polarization and Functional Dynamics during E-cigarette Vapor Condensate Exposure	\$555,520.00
Batra, Sanjay	LSU	Role of DAMPS in Regulating Autophagy Process in Pentachlorophenol Challenged Lung and Liver Epithelial Cells	\$9,500.00
Davis-Brown, Tyra	LA BOR	JAG's on the PROWL	\$119,000.00
Dawad, Fareed	NASA	High Efficiency Airborne Wind Energy Systems (AWES): Mission-Scale and Utility-Scale Solutions	\$0.00
Diack, Moustapha	U.S. Embassy Dakar Public Affairs	Promoting Educational Diversity, Equity and Inclusion (DEI) through Open Education, Quality Assurance, And Community Building	\$149,636.00
Gray, Wesley	NSF	Excellence in Research: Antimicrobial Resistance and Susceptibility of Biz-3w_A1, a Plant-derived Antimicrobial	\$1,058,136.00
Hossain, MD Ehktear	LSU	Effects of the SARS-CoV-2 Spike Protein on LOX-1 Receptor Expression in Macrophages	\$62,777.00

Ismail, Yasser	NSF	CAREER: Improving Student Learning in Machine Learning and Internet of Things Applications and Technologies Utilizing Modern Learning Resources	\$738,985.00
Ismail, Yasser	NSF	Excellence in Research: Smart Online Detection of Fatigue, Drowsiness and Drunk Drivers (FD3) Utilizing a Machine Learning-Based System	\$430,434.00
Jackson-Osagie, Emily	NSF	Southern University Diversifying STEM Teacher Education Program (SU-DSTEP)	\$1,198,325.00
Johnson, Melanie	Small Business Administration	The Capital City Women's Business Center (CCWBC)	\$750,000.00
Jones, Conrad	LA BOR	Synthesis & Potential Applications of Carbon Quantum Dots from Coffee Beans as Environmentally Friendly Electrocatalysts	\$118,352.00
Jones, Nastassia	Pepperdine University	Asset-Based Learning Environments (ABLE)	\$360,000.00
Kight, Dawn	Kentucky State University	Advancing Online Teaching and Research Capacity through the 1890 Library Consortium in the post COVID-19 World	\$127,905.00
Kight, Dawn	Council on Library and Information Resources	Southern University and A&M College Photographer's Archival Collection - Highlighting the Past, Enhancing the Present, Enriching the Future	\$258,459.00
Kundu, Madan	Administration for Community Living	A Systems Approach to Life Transactions (SALT): Creation of the Taylor Application	\$600,000.00
Luo, Jiecai	Washington State University	Psychosocial Acceptance of Working Alongside Soft Robots	\$91,212.00
McGee, Bernestine	USDA	Curriculum and Infrastructure Enhancement for Food and Nutrition Education	\$150,000.00
Melancon III, Lee	LA Office of Cultural Development	The SUBR Archives Building Cultural Education, Public Knowledge and Kiosk Project	\$19,855.00
Mellieon-Williams, Francesca	NASA	FACTS at Southern University - Future Academic Collegiate Training in STEM At Southern University	\$64,999.00
Mensah, Patrick	NSF	IRES Track I: Synthesis and Modification of Zeolites for Multipurpose Environmental Applications (SMoZMEA)	\$297,438.00

Mensah, Patrick	LA BOR	Southern University - SREB/Board of Regents Fellowship Program 2022-2025	\$142,500.00
Mensah, Patrick	LSU	Machine Learning Assisted Design of Vitrimers for 4D Printing Lightweight Composite Structures	\$276,000.00
Mensah, Patrick	National Renewable Energy Laboratory	Southern University and A&M College: NREL Student Training in Applied Research (STAR) Internship Program	\$23,999.42
Mensah, Patrick	University of Louisiana at Lafayette	Interfacial Dynamics in Electrochemically Active Systems (IDEAS)	\$30,000.00
Morton, Jodi	National Pork Board	Co-training Graduate Students in Swine Production and Urban Forestry for Next Generation Environmental Scientist	\$60,000.00
Murthy, S.N.	American Heart Association	Methionine Countershepato-Cardiac Inflammatory Reponses in Hypercholesterolemic Rats Administered DPP-4 Inhibitors	\$154,000.00
Murthy, S.N.	LSU	Beneficial Effects of Methionine in Hepatic Inflammation Due to Hypercholesterolemia	\$19,000.00
Nelson-Smith, Kenyetta	USDA	Evaluation of a Virtual Classroom Assessment Scoring System (CLASS) Bootcamp: A Training for Undergraduate Students and Early Childhood Educators	\$149,955.00
Ning, Zhu	USDA	Educating the Next Generation of Leaders in Forestry, Environment and Natural Resources	\$270,000.00
Perry, Kristie	U.S. Department of Homeland Security	Southern University Targeted Violence and Terrorism Prevention Program	\$150,000.00
Proctor, Angela	Social Science Research Council	Connecting GU 272 to SU: Creating a Memory Project of Surviving Descendants Connected to Southern University	\$24,833.00
Reese, Terrence	South Dakota School of Mines and Technology	MSI Partnership Supplement via RII Track 2 FEC: The Ice Cube EPSCoR Initiative (IEI) and the Data Revolution	\$389,500.00
Reese, Terrence	LSU	2022 Space and Planetary Science at the Timbuktu Academy (SPS-TA)	\$25,000.00

Reese, Terrence	LSU	Nanomaterial-enhanced Multifunctional Fiber Optic Sensors for Automated Radiation, Leakage and Structural Integrity Monitoring and Probabilistic Risk Assessment in Nuclear Power Plants	\$149,933.00
Robinson, Rhonda	U.S. DoEd	Acension Upward Bound	\$1,527,315.00
Robinson, Rhonda	U.S. DoEd	Concordia Upward Bound	\$1,527,315.00
Robinson, Rhonda	U.S. DoEd	Empower Upward Bound	\$1,527,315.00
Robinson, Rhonda	U.S. DoEd	Enterprise Upward Bound	\$1,578,970.00
Robinson, Rhonda	U.S. DoEd	Experience Upward Bound	\$1,527,315.00
Robinson, Rhonda	U.S. DoEd	Inspire Upward Bound	\$1,527,315.00
Robinson, Rhonda	U.S. DoEd	Apollo: Upward Bound Math and Science	\$1,437,685.00
Robinson, Rhonda	U.S. DoEd	Atlantis: Upward Bound Math and Science	\$1,437,685.00
Robinson, Rhonda	U.S. DoEd	Discovery: Upward Bound Math and Science	\$1,488,005.00
Robinson, Rhonda	U.S. DoEd	Endeavour: Upward Bound Math and Science Program	\$1,488,005.00
Robinson, Rhonda	U.S. DoEd	Columbia: Upward Bound Math and Science Program	\$1,437,685.00
Robinson, Rhonda	U.S. DoEd	Mercury: Upward Bound Math and Science Program	\$1,437,685.00
Rosby, Raphyel	NSF	Excellence in Research: Elucidation of Conserved Eukaryotic Nucleolar and Ribosomal Stress Mechanisms	\$574,385.00
Shin, Alex Hak-Chul	LSU	Rocket Plume Assisted <i>in situ</i> Construction Processes Supporting Mars Exploration Activities	\$255,000.00
Stewart, Anthony	Florida International University	Transformational Research in Electrochemical and Energy Systems (TREES)	\$675,000.00
Stewart, Anthony	Tuskegee University	Building Energy Freedom through Research and Electrochemical Energy (BEFREE)	\$1,000,000.00
Stubblefield, Michael	U.S. Department of Commerce	Southern University Reaching across the Digital Divide (SURADD): Connecting Minority Communities Pilot Program	\$6,445,587.00
Trivedi, Sudhir	LSU	NSF Convergence Accelerator Track E: FishLAT (Location Assessment Technology) Advancing Innovative Convergence between Fisheries and Offshore Energy to Drive Adaptive Stewardship of Fisheries Habitat	\$186,690.00

Turner, Julius	U.S. DoEd	Southern University and A&M College Ronald E. McNair Post-baccalaureate Achievement Program	\$1,309,440.00
Uppu, Rao	LSU	Collaborative Research: FMRG: Eco: GENESIS	\$400,000.00
Uppu, Rao	LSU	Oxidative Biotransformation of Phenacetin by Cellular Oxidants, Peroxynitrite/CO2 and Hypochlorite/Hyochlorous Acid: Implications to the Mechanisms of Toxicity and Possible Biomarkers	\$9,500.00
Vincent-Finley, Rachel	NSF	Collaborative Research: CIU: Computational and Data Science Curriculum Exchange	\$90,000.00
Wang, Weihua	NASA JPL at Caltech	Synthesis of Plasmonic Metal and Metal Alloy Nanoparticles	\$38,784.00
Wang, Weihua	West Virginia University	Synergistic Transformation of Biomass-Waste Plastics-CO2 to Value-Added Products for Decarbonized Economy	\$60,000.00
Warren, Brian C.	U.S. Nuclear Regulatory Commission	Nuclear Curriculum and Seminar Development at Southern University and A&M College	\$426,732.00
Womack-Bell, Ada	LA Department of Children and Family Services	Micro Enterprise Development (MED) Program	\$1,000,000.00
Yang, Shizhong	U.S. DHHS	Consortium of Louisiana Minority Health Informatics and Technology Training	\$5,000,000.00
Yang, Shizhong	U.S. DoD	Machine Learning Guided Design of Multicomponent Alloy	\$18,000.00
Yang, Shizhong	LSU	Hybrid in silico/in vitro/Machine Learning Approach to Understand Diesel Particulate Extract Induced Apoptosis	\$69,982.00
Yang, Shizhong	North Carolina Central University	Consortium: Nuclear Security Advanced Manufacturing Enhanced by Machine Learning (NSAM-ML)	\$850,000.00
Yang, Shizhong	National Nuclear Security Administration	Data Driven Extreme Condition Materials Design (DD-ECMD)	\$5,000,000.00
Yang, Shizhong	LSU	Regional Computing: ACCEL: A Composable Compute Environment for LONI	\$20,000.00

Zhao, Guang-Lin	NSF	Excellence in Research: Exploring Electric Field Polarized Carbon Bases Nano Electrocatalysts for Environmental Detoxification	\$400,000.00
Zhao, Guang-Lin	Office of Naval Research	Exploration of New Multifunctional Polymer Nano-Composites for Electromagnetic Wave Absorption and Light Weight Structural Materials	\$450,000.00
Zhao, Guang-Lin	NSF	Partnership for Research and Education on Molecules at High Pressures	\$900,000.00
Zhao, Guang-Lin	Argonne National Laboratory	Center for Direct Electrochemical Reduction of Air-Captured Carbon Dioxide (DERAC)	\$800,000.00
TOTAL - 86			\$59,544,523.44



**Proposals Funded
July 1, 2021 - June 30, 2022**

Principal Investigator	Agency	Title	Amount
Andrews, Donald	U.S. Department of Commerce	Southern University and A&M College Baton Rouge - University Center for Economic and Entrepreneurial Development	\$112,850.00
Andrews, Donald	U.S. DoEd	Promoting International Business Education and Enhancing Export Readiness, Nascent IT, Global Supply Chain, and Entrepreneurship Through Academic Exchange Partnership	\$95,000.00
Banadaki, Yaser	LA BOR	Southern University System - Cybersecurity Talent Initiative Program (SUS-CyberTIP)	\$205,885.00
Banadaki, Yaser	National Security Agency	Southern University GenCyber Youth Camp	\$148,179.00
Barley, Tracy	LA Community and Technical College System	Cultural Responsiveness in Higher Education: Preparing Faculty to Design Online Courses that Foster Equity and Inclusion	\$20,000.00
Batra, Sanjay	LSU	Louisiana Biomedical Research Network (LBRN) Project	\$19,000.00
Batra, Sanjay	LSU	Center for Pre-Clinical Cancer Research: Unlocking Macrophage Polarization and Functional Dynamics during E-Cigarette Vapor Condensate Exposure	\$7,000.00
Batra, Sanjay	LSU	LBRN MCBC Core Liaison	\$24,500.00
Batra, Sanjay	LSU	LBRN Mentor Effort	\$15,474.00
Brister Jr., Herman	LA DoEd	Title I 2021-22	\$1,066,335.45
Brister Jr., Herman	LA DoEd	Title IVA SSAE	\$98,168.00
Brister Jr., Herman	LA DoEd	Title IIA	\$134,984.00
Brister Jr., Herman	LA DoEd	Direct Student Services (DSS)	\$28,401.00
Brister Jr., Herman	LA DoEd	ESSERF II Formula	\$706,892.00
Brown, Sandra	LA BOR	Nursing Capitation 2021-22	\$112,000.00
Brown, Sandra	LA BOR	Allied Health Capitation Grant Award Program	\$56,000.00
Carriere, Patrick	LA Department of Economic Development	Interagency Cooperative Agreement: Increase Computer Science and Related Field Graduates	\$750,000.00
Dawan, Fareed	Clarkson Aerospace Corporation	Materials and Manufacturing - Research on Two-Dimensional (2D) Materials and Manufacturing	\$62,476.00
Doucet, Patricia	U.S. DoEd	Talent Search Classic - Southern University and A&M College	\$545,321.00

Doucet, Patricia	U.S. DoEd	Talent Search Excel - Southern University and A&M College	\$277,375.00
Dubytska, Lidiya	NSF	Excellence in Research: Role of the T3SS Effector EseN of E. ictaluri in Virulence and Host Immune Response	\$744,749.00
Dubytska, Lidiya	NIH	Role of Legionella pneumophila Lvh TIVSS in virulence	\$205,060.00
Ejigiri, Damien	Texas A&M Engineering Experiment Station	SRS RN: Integrated Food, Energy, Water Units for Disaster Resilient Sustainable Regional Systems	\$7,000.00
Flowers-Benton, Susan	University of Wisconsin-Madison	Building Relationships between Researchers and the Community to Increase African American Participation in Alzheimer's Disease Research	\$72,491.00
Flowers-Benton, Susan	University of Iowa	Project PEER (Prevent, Engage, Empower and Respond)	\$107,283.00
Henson, Xavier	Northwestern State University	Title IV-E Child Welfare Training	\$433,363.00
Ismail, Yasser	LA DOTD	High-Fidelity Fatigue, Drowsiness and Drunk Driver Detection (FD4)	\$30,000.00
Jackson-Osagie, Emily	California Polytechnic State University	A New STAR is Born: Expanding the Reach of a Successful Pre-service Teacher Research Programs	\$193,065.00
Kight, Dawn	National Endowment for the Humanities	Cade Library Louisiana Pictorial History Initiative (CLLPHI)	\$182,199.00
Lacy, Fred	Central Intelligence Agency (CIA)	Using Sensor Networks and Machine Learning to Characterize Agricultural Responses to Stimuli	\$350,000.00
Lawson, Huey	U.S. DoEd	Title III HBCU	\$8,448,336.00
Lawson, Huey	U.S. DoEd	HBCU Program - FUTURE Act	\$1,465,886.00
Li, Guoqiang	LA BOR	Louisiana Materials Design Alliance (LAMDA)	\$227,684.00
Mackie, Kenneth	U.S. DoEd	Southern University Upward Bound Math and Science Program (Endeavour)	\$297,601.00
Martinez-Ceballos, Eduardo	LSU	LBRN Core Liaison	\$3,500.00
Martinez-Ceballos, Eduardo	NSF	Excellence in Research: Upstream and Downstream Analysis of Hoxa1 Gene Expression	\$110,222.00
McMeans, Orlando	USDA	Land Grant Scholarships for Students at Southern University and A&M College	\$526,315.79
McMeans, Orlando	USDA	Land Grant Scholarships for Students at Southern University and A&M College	\$500,000.00
McMeans, Orlando	USDA	Land Grant Scholarships for Students at Southern University and A&M College	\$500,000.00
Mensah, Patrick	LA BOR	Southern University System - Cybersecurity Talent Initiative Program (SUS-CyberTIP) Phase 2	\$242,181.00
Mensah, Patrick	NSF	RII Track-2 FEC: Rapid Qualification for Additively Manufactured Safety-Critical Components	\$1,000,000.00
Mensah, Patrick	LA BOR	Southern University - Board of Regents/SREB Doctoral Fellowship	\$90,000.00

Mensah, Patrick	University of Delaware	Composite Manufacturing Technologies for Aerospace Performance at Automotive Production Rates	\$100,000.00
Mensah, Patrick	LA BOR	Louis Stokes Science, Technology, Engineering and Mathematics (STEM) Pathways and Research Alliances at Southern University and A&M College	\$64,404.00
Mensah, Patrick	LA BOR	Louis Stokes Science, Technology, Engineering and Mathematics (STEM) Pathways and Research Alliances at Southern University - Baton Rouge	\$210,093.00
Mensah, Patrick	NASA	Additive Manufacturing of Fire Reterdant and Repairable Composite Structures Based on Lunar Regolith and Vitrmer Epoxy under Lunar Conditions	\$51,783.00
Ning, Zhu	USDA	Educating the Next Generation of Leaders in Forestry, Environment and Natural Resources	\$270,000.00
Perry, Kristie	Baton Rouge Law Enforcement & Criminal Justice Foundation	Southern University Community Policing Research	\$75,000.00
Perry, Kristie	LA DCFS	Individual Development Account (IDA) Program	\$1,500,000.00
Perry, Kristie	Capital One	Southern University IDA Support	\$29,000.00
Perry, Kristie	Capital One	Southern University Center for Social Research Community Research Lab	\$25,000.00
Proctor, Angela	Social Science Research Council	Connecting GU 272 to SU: Creating a Memory Project of Surviving Descendants Connected to Southern University	\$24,833.00
Reese, Terrence	LSU	The 2021 Space and Planetary Science at the Timbuktu Academy (2021 SPS-TA)	\$50,000.00
Reese, Terrence	South Dakota School of Mines and Technology	RII Track-2 FEC: The IceCube EPSCoR Initiative (IEI) - IceCube and the Data Revolution	\$189,500.00
Robinson, Rhonda	U.S. DoEd	Southern University Upward Bound Math and Science Program (Discovery)	\$297,601.00
Robinson, Rhonda	U.S. DoEd	Enterprise: Upward Bound Project	\$297,600.00
Sagbansua, Lutfu	Greater New Orleans Development Foundation	H2theFuture: A Transformative Energy Cluster Strategy to Decarbonize the South Louisiana Industrial Corridor	\$5,000.00
Salam, Md Abdus	NASA	Single Source, HDTN Simulation and Modeling at Southern University	\$100,000.00
Salam, Md Abdus	NASA	Development of Data Visualizations Software to Remotely Monitor on Mulitple Platforms	\$36,717.00
Salam, Md Abdus	The National FinTech Center at Morgan State University	Engaging Students and Faculty in Blockchain and Financial Technology though Seminars and Certifications	\$10,000.00
Sherrard, Renita	BESE	Innovative Labs at Southern University Laboratory School	\$4,250.00

Shin, Alex Hak-Chul	LA DOTD	2021-2022 Capstone Senior Design Projects of Civil Engineering at Southern University at Baton Rouge	\$5,000.00
Smith, Deanna	Howard State University	MSI-HIV/HCV Prevention Program	\$3,500.00
Spurlock, Wanda	LA DHH	LA Women, Infants and Children (WIC) Program	\$121,337.00
Stewart, Anthony	LA Department of Health	Stemming the Pool of Future Minority Clinicians at the Timbuktu Academy	\$500,000.00
Tolbert, Catrice	LA Department of Health	Prevention Training in Louisiana / Louisiana Center for Prevention Resources	\$205,836.00
Tolbert, Catrice	LA Department of Health	Mental Health First Aid and Prevention Professional Workforce Development Training	\$248,920.00
Trivedi, Sudhir	LSU	Advancing Innovative Convergence between Fisheries and Offshore Energy to Drive Adaptive Stewardship of Fisheries Habitat in a Dynamic Blue Economy	\$30,000.00
Twumasi, Yaw	LSU	Satellite -Assisted Forecasting Environment for Improving Oyster Safety (SAFE OYSTER)	\$79,723.00
Washington, Samuel	The Boeing Company	Boeing SLS Project: Weetech Testing and Wire Harness	\$1,169,359.00
Womack-Bell, Ada	LA Delta Community College	Louisiana Small Business Development Center 2020-21	\$57,766.00
Womack-Bell, Ada	LA Department of Children and Family Services	Micro-Enterprise Development (MED) Program	\$600,000.00
Womack-Bell, Ada	LSU	Small Business Development Centers	\$173,488.04
Yang, Shizhong	The University of Alabama	RII Track-2 FEC: IGM--A Framework for Harnessing Big Hydrological Datasets for Integrated Groundwater Management	\$49,332.00
Yang, Shizhong	North Carolina Central University	Consortium for Nuclear Security Advanced Manufacturing Enhanced by Machine Learning (NSAM-ML)	\$170,000.00
Yi, Xiaoping	LSU	Center for Pre-Clinical Cancer Research	\$420,000.00
Young, Luria	NSF	Collaborative Research: LIGO-SEC Partnership - Strengthening Communities of Learners	\$375,000.00
TOTAL - 77			\$27,772,818.28

COVID Funds

Principal Investigator	Agency	Title	Amount
Andrews, Donald	U.S. Department of Commerce	EDA University Center for Economic and Entrepreneurial Development-Recovery from COVID-19	\$150,000.00
Brister Jr., Herman	LA DoEd	2021-22 ESSER III EB Interventions	\$635,031.00
Brister Jr., Herman	LA DoEd	ESSERF II Formula	\$7,777.00
Lawson, Huey	U.S. DoEd	Southern University and A&M College Higher Education Emergency Relief Fund - HBCUs	\$37,037,074.00
Womack-Bell, Ada	LA Delta Community College	LSBDC COVID-19 Funds	\$63,500.00
TOTAL - 5			\$37,893,382.00