Academic Support Services

OFFICE OF SUSTAINABILITY

Cook, Larry
S.C. DHEC Collegiate Recycling Grant for Fiscal Year 2024 10,000

Sponsor: SC Department of Health & Environmental Control (DHEC)
PS PROJECT: 10013567
TOTAL_PROJECT_AMT. IF AVAILABLE:
PROJECT YEARS: 1

Arnold School of Public Health

Environmental Health Sciences

Lead, Jamie
A nano-enabled approach to the aqueous phase removal of Karenia brevis; a mesocosm study 82,000

Sponsor: Mote Marine Laboratories/FWRI/FWC
PS PROJECT: 10013543
TOTAL_PROJECT_AMT. IF AVAILABLE:
PROJECT YEARS: 1

Exercise Science

Moore, Robert
ACCOUNT CLOSED - IPA Agreement with Dorn VA Medical Center - Modification - Robert Davis Moore 33,947

Sponsor: WJB Dorn VA Medical Center/VA
PS PROJECT: 10013559
TOTAL_PROJECT_AMT. IF AVAILABLE:
PROJECT YEARS: 1

Stewart, Jill
Behavioral and Neural Correlates of Post-Stroke Fatigue 21,531

Sponsor: Texas Women's University/NIH
PS PROJECT: 10013538
TOTAL_PROJECT_AMT. IF AVAILABLE: 64,992
PROJECT YEARS: 3
Torres-McGehee, Toni
Nutrition and Mental Health Related Factors Across Historically Black College and University Students: A Qualitative Study on the Dimensions Food Access
Sponsor: Mid-Atlantic Athletic Trainers Association (MAATA)
PS PROJECT: 10013580
TOTAL_PROJECT_AMT. IF AVAILABLE: 
PROJECT YEARS: 1

Winkelmann, Zachary
(PI - Maegan Milliet) Interviews of Athletic Trainers' Following the Death of a Student-Athlete by Suicide
Sponsor: NATA Research & Education Foundation
PS PROJECT: 10013533
TOTAL_PROJECT_AMT. IF AVAILABLE: 
PROJECT YEARS: 2

Health Prom., Educ. & Behavior
Bornstein, Marta
Ohio Policy Evaluation Network (OPEN)
Sponsor: University of Cincinnati/Anonymous (Non-Profit)
PS PROJECT: 10013542
TOTAL_PROJECT_AMT. IF AVAILABLE: 
PROJECT YEARS: 2

Frongillo, Edward
Food Safety Experiences Scale
Sponsor: International Food Policy Research Institute (IFPRI)
PS PROJECT: 10013532
TOTAL_PROJECT_AMT. IF AVAILABLE: 
PROJECT YEARS: 1

Larson, Leila
(PI - Victoria Adebiyi) Breastfeeding Decision-making and Practices Among Working Mothers and Role of External Influences in Urban Nigeria
Sponsor: Nestlé Foundation
PS PROJECT: 10013576
TOTAL_PROJECT_AMT. IF AVAILABLE: 
PROJECT YEARS: 1
Athletics

**Athletics General Fund**

Lusk, Tyson  
*Continuation of College Grants of Primary Prevention Strategies*  75,000  
**Sponsor:** SC Department of Alcohol and Other Drug Abuse Services (DAODAS)/ARPA/HHS  
PS PROJECT: 10013537  
TOTAL_PROJECT_AMT. IF AVAILABLE:  
PROJECT YEARS: 1

College of Arts and Sciences

**Baruch Institute**

Kimball, Matthew  
*Evaluating oyster reefs as habitat: Comparing the utility of ecological metrics to assess ecosystem function*  136,862  
**Sponsor:** University of Michigan/National Estuarine Research Reserve Association (NERRA)/NOAA  
PS PROJECT: 10013409  
TOTAL_PROJECT_AMT. IF AVAILABLE:  
PROJECT YEARS: 1

**Biological Sciences**

Speiser, Daniel  
*Mapping structural and functional connectivity of the distributed sensory system in chiton armor*  117,000  
**Sponsor:** International Human Frontier Science Program Organization (HFSPO)  
PS PROJECT: 10013540  
TOTAL_PROJECT_AMT. IF AVAILABLE: 351,000  
PROJECT YEARS: 3

**Geography**

Wang, Cuizhen (Susan)  
*South Carolina Water Resources Center Program Management*  33,448  
**Sponsor:** Clemson University/DOI  
PS PROJECT: 10013568  
TOTAL_PROJECT_AMT. IF AVAILABLE:  
PROJECT YEARS: 1
Physics & Astronomy

Monin, Alexander
Taming Non-Perturbative Dynamics in High Energy Physics
Sponsor: National Science Foundation (NSF)
PS PROJECT: 10013243
TOTAL_PROJECT_AMT. IF AVAILABLE: 225,000
PROJECT YEARS: 3

490,000

Persyn, Yuriy
EFRI BRAID: Developing new classes of devices and networks based on computationally efficient history dependent neurons
Sponsor: University of Texas San Antonio/NSF
PS PROJECT: 10013560
TOTAL_PROJECT_AMT. IF AVAILABLE: 490,000
PROJECT YEARS: 4

Petrov, Alexey
Particle Physics Research Program
Sponsor: US Department of Energy (DOE)
PS PROJECT: 10013113
TOTAL_PROJECT_AMT. IF AVAILABLE: 180,000
PROJECT YEARS: 3

School of Earth, Ocean & Env.

Hardy, Dean
RII Track-2 FEC: An interdisciplinary program for research, education, and outreach on climate change and adaptive resilience in the Yazoo - Mississippi Delta
Sponsor: Mississippi State University/NSF
PS PROJECT: 10013296
TOTAL_PROJECT_AMT. IF AVAILABLE: 942,782
PROJECT YEARS: 4

Ryker, Katherine
JSHS Regional Science Fair 2024
Sponsor: National Science Teachers Association (NSTA)/DOD
PS PROJECT: 10013548
TOTAL_PROJECT_AMT. IF AVAILABLE:
PROJECT YEARS: 1
College of Education

Education - Dean’s Office
Van Buren, Cindy
State Apprenticeship Expansion, Equity, and Innovation (SAEEI) 135,000
Sponsor: Apprenticeship Carolina - SC Technical College System
PS PROJECT: 10013561
TOTAL_PROJECT_AMT. IF AVAILABLE: 
PROJECT YEARS: 1

Research, Eval., & Measurement
Dickenson, Tammiee
Evaluation of the Young Men United Program Year 2 60,500
Sponsor: United Way of the Midlands
PS PROJECT: 10013546
TOTAL_PROJECT_AMT. IF AVAILABLE: 
PROJECT YEARS: 1

Lewis, Ashlee
South Carolina Arts Assessment Program 61,000
Sponsor: SC Department of Education (SCDE)
PS PROJECT: 10013219
TOTAL_PROJECT_AMT. IF AVAILABLE: 
PROJECT YEARS: 1

SC School Improvement Council
Utter, Karen
Statewide Family Engagement Center program 718,405
Sponsor: Office of Innovation and Improvement/USDE
PS PROJECT: 10013393
TOTAL_PROJECT_AMT. IF AVAILABLE: 1,000,000
PROJECT YEARS: 1
College of Engineering & Comp.

Chemical Engineering
Meekins, Benjamin

SBIR with Advanced Cooling Technologies (DE-FOA-0002555) 65,003

Sponsor: Advanced Cooling Technologies, Inc./DOE
PS PROJECT: 10013573
TOTAL_PROJECT_AMT. IF AVAILABLE:
PROJECT YEARS: 1

Uline, Mark

ARLIS Credibility Assessment Modernization Task Order 342,672

Sponsor: University of Maryland/DOD
PS PROJECT: 10013550
TOTAL_PROJECT_AMT. IF AVAILABLE:
PROJECT YEARS: 1

Computer Science & Engineering
Sheth, Amit

Artificial Intelligence Institute (“AIISC”) of University of South Carolina (“USC”) and WIPRO LIMITED (“Wipro”) 24,000

Sponsor: Wipro Limited
PS PROJECT: 10013572
TOTAL_PROJECT_AMT. IF AVAILABLE:
PROJECT YEARS: 3
Electrical Engineering

Khan, Asif
"Understanding High Field Electron Transport and Trapping in UWBG AlGaN Heterostructures."

Sponsor: University of Wisconsin-Madison/USAF/DOD
PS PROJECT: 10013549
TOTAL_PROJECT_AMT. IF AVAILABLE: 84,941
PROJECT YEARS: 3

High Thermal Conductivity AlN-SiC templates for Northrop Grumman GaN-AlGaN SLCFET

Sponsor: Northrop Grumman/DARPA/DOD
PS PROJECT: 10013582
TOTAL_PROJECT_AMT. IF AVAILABLE: 427,678
PROJECT YEARS: 2

Mechanical Engineering

Knight, Travis
South Carolina Advanced Nuclear Technology Feasibility Study

Sponsor: USC Educational Foundation/Tides Foundation/Google
PS PROJECT: 10013575
TOTAL_PROJECT_AMT. IF AVAILABLE: 100,000
PROJECT YEARS: 1

Lee, Junsoo
(PI: Kavan Bojappa) Study of Particle Swarm Optimization for Multi-agent Dynamical Systems

Sponsor: College of Charleston/SC Space Grant Consortium/NASA
PS PROJECT: 10013541
TOTAL_PROJECT_AMT. IF AVAILABLE: 7,500
PROJECT YEARS: 1

Wang, Yi
Software Tool for Surrogate Modeling and Design of Experiments

Sponsor: CFD Research Corporation/Office of the Secretary of Defense/DOD
PS PROJECT: 10013574
TOTAL_PROJECT_AMT. IF AVAILABLE: 400,033
PROJECT YEARS: 2
College of Information & Comm.

School of Information Sciences

Tu-Keefner, Feili

Creating a Sustainable and Sharable Disaster Information Services Repository Website 17,505

*Sponsor:* MUSC/NLM/NIH

PS PROJECT: 10013298
TOTAL_PROJECT_AMT. IF AVAILABLE: 
PROJECT YEARS: 1

College of Social Work

Families in Society, Institute

Lopez-DeFede, Ana

Leveraging Technology to Reduce Disparities and Improve Early Detection of and Timely Care for Postpartum Complications 157,601

*Sponsor:* Medical University of South Carolina (MUSC)/PCORI

PS PROJECT: 10013547
TOTAL_PROJECT_AMT. IF AVAILABLE: 
PROJECT YEARS: 5

Social Work - Dean’s Office

Flynn, Cynthia

Fatherhood FIRE/H2O Program Evaluation Year 4 109,733

*Sponsor:* SC Center for Fathers and Families (SCCFF)/HHS

PS PROJECT: 10013552
TOTAL_PROJECT_AMT. IF AVAILABLE: 
PROJECT YEARS: 1
Darla Moore School of Business

**Von Nessen, Joseph**

*SCA Regional Development Alliance: Jasper County Economic Impact Analysis*

**Sponsor:** SCA Regional Development Alliance

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Office of the Provost

**Gibson, Robert**

*2023 Nonprofit Security Grant Program (NSGP)*

**Sponsor:** SCRF/South Carolina Law Enforcement Division (SLED)/DHS

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School of Law

**Dhunjishah, L Michelle**

*South Carolina Senate Contract*

**Sponsor:** South Carolina Senate

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<td>10013114</td>
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*Addressing Minority Youth Contact with Law Enforcement: An Approach to Reducing Racial and Ethnic Disparities in the South Carolina Juvenile Justice System*

**Sponsor:** Office of Highway Safety and Justice Programs (OHSJP)/SCDPS/DOJ

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<td>10013459</td>
<td>50,695</td>
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School of Medicine

Cell Biology & Anatomy
Azhar, Mohamad

Targeted nanoparticle therapy for reversal of thoracic aortopathy (COBRE)  
Sponsor: Clemson University/NIH (COBRE)  
PS PROJECT: 10013215  
TOTAL_PROJECT_AMT. IF AVAILABLE:  
PROJECT YEARS: 1  

ACCOUNT CLOSED - Targeted nanoparticle therapy for reversal of thoracic aortopathy (COBRE)  
Sponsor: Clemson University/NIH (COBRE)  
PS PROJECT: 10013544  
TOTAL_PROJECT_AMT. IF AVAILABLE:  
PROJECT YEARS: 1

MDC Ctr Disability Resources
Rotholz, David

2023 SC Assistive Technology Leadership Conference  
Sponsor: SC Developmental Disabilities Council (SCDDC)/HHS  
PS PROJECT: 10013557  
TOTAL_PROJECT_AMT. IF AVAILABLE:  
PROJECT YEARS: 1

Path, Microbio. & Immunology
Velazquez, Kandy

Development of Ojeok-san as a Safe and Effective Analgesic to treat Chronic Pain  
Sponsor: SC Opioid Recovery Fund (SCORF)  
PS PROJECT: 10013539  
TOTAL_PROJECT_AMT. IF AVAILABLE:  
PROJECT YEARS: 2
University of SC Aiken

AK Library
Ennis, Lisa
Proposal for continuation of contract for DOE-SR Public Reading Room

Sponsor: Savannah River Nuclear Solutions, LLC (SRNS)/DOE
PS PROJECT: 10013584
TOTAL_PROJECT_AMT. IF AVAILABLE: 403,351
PROJECT YEARS: 5

AK University Police
Lott, Nicholas
Aiken Scholars Academy School Resource Officer (SRO) Program

Sponsor: SC Department of Public Safety (SC DPS)
PS PROJECT: 10013566
TOTAL_PROJECT_AMT. IF AVAILABLE: 1
PROJECT YEARS: 1

University of SC Upstate

UPS Academic Affairs Admin
Waldrop, Susannah
Avanzando Through College (2023-24)

Sponsor: UnidosUS
PS PROJECT: 10013583
TOTAL_PROJECT_AMT. IF AVAILABLE: 20,000
PROJECT YEARS: 1

UPS INSTIT EFFECTIVENESS & RESEARCH
Karls, Amanda
SC DHEC Collegiate Recycling Grant

Sponsor: SC Department of Health & Environmental Control (DHEC)
PS PROJECT: 10013562
TOTAL_PROJECT_AMT. IF AVAILABLE: 10,000
PROJECT YEARS: 1
Report Total: $5,018,109